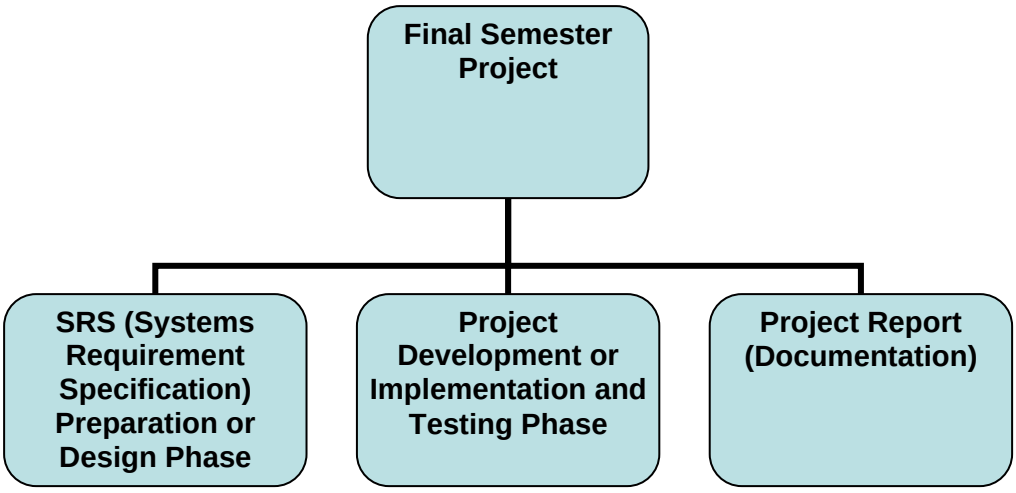
Project Guidelines



Broadly, the project may be developed in two phase:

Phase 1: Requirement Analysis and Design Phase

This phase may involve preparing the Requirement specification, performing system analysis, preparing the data and control flows and performing the design of the project.

- Students must strictly implement the various stages of software development process.
- Implement the various activities that are performed during the Requirements phase and support it with proper outputs and the necessary graphical representations like Data Flow Diagrams D.F.D, E-R diagrams, Flow charts. You can also use tools like Rational Rose
- Indicate the technology used and substantiate it with brief explanations.
- Properly document the detailed design specifications and methods adopted during Design phase.

Phase 2: Coding and Testing phase

This phase may involve actual development of the software:

Like coding, preparing test plans, testing and implementation details.

- Perform **coding** of the project with the software used.
- Adopt an appropriate **testing** procedure for your project.
- Prepare all necessary **documentation** to support all the work done in your project.

Synopsis and Final Report Format

Synopsis of Project: Synopsis of project must contain following information:

1. Title of the project
2. Objective of the project.
3. Tool(s) / Technology used
4. A complete structure of the program
    i) Requirement Analysis
    ii) Module description, Structure charts
    iii) Data Flow Diagrams, Database Specifications
    iv) Coding (Partial or Complete- Dependent on the Organization);
    v) Screen Shots (GUI Interfaces), Reports
    vi) Test Plans, Test Cases, Results of Testing
    vii) Future Enhancements

Final Project Report: Project Report must contain following information:

1. The length of the report may be about 40 to 50 pages, with 1.5 line spacing, 1.25 inches margin on either side, printed on A4 size papers. Ten percent variation on either side is permissible.

2. **Contents of project report are:**

A. Title Page

B. Certificate,

C. Declaration

D. Acknowledgement,

E. Abstract

F. Contents

G. Introduction

H. Objectives

I. Problem Statement

J. Requirement Analysis, SRS (Logical DFD, Data dictionary, Decision Tables & Trees)

K. Analysis and design (Structure Charts, data flows)

L. Coding

M. Testing procedures,

N. Testing reports

O. Documentation

P. Future application

Q. Conclusion

R. Bibliography

3. **Guide lines for Technology/ Software tools to be used and types of projects**

Technology/Programming Language/ Software
Microsoft Technology (. NET technology for example)
Sun Microsystems technology (J2EE based for example)
Oracle, SQL server (Data Base software)
Programming/ Scripting Languages: C, C++, VB, Java, JavaScript, VB-Script, HTML, XML
(Note: MS- Access cannot be used as Database)
Few Domains/Areas that can be chosen
Client-Server software : (Banking application, Railway, University application to name a few)
WEB applications (Portals, Web services, E-commerce sites, Social Networking applications, Blog Engines to name a few)
Gaming software/ Virus /Antivirus software/Audio- Video Players/ Language Tutors system/application software
Computer Networking Projects based on various protocols

The HR Manager
XYZ Pvt. Ltd. Date:

Dear Sir/Madam,

_____ is a bona fide student of Sikkim Manipal University Department of Distance Education, currently enrolled in the third semester of the MBA program, with specialization in the area of _____.

As part of the requirements of the MBA degree, he/she is required to complete a Project of approximately eight months' duration in his/her area of specialization. This should ideally be a live Project on an ongoing problem faced by the organization, under the supervision of a company guide. The objective of the project is to enable the student to apply his/her theoretical knowledge, problem solving and analytical skills and to equip himself/herself to face the challenges of the real world. Evaluation of the project will be based on a written report, as well as an oral presentation, after which a certificate of completion should be given by the organization.

I would be grateful if an opportunity could be given to _____ to work on such a project in your esteemed organization. Please review his/her enclosed resume and let me know if a suitable project would be available in his/her area of specialization.

Looking forward to a positive response,

Sincerely,

LC Head

<Signature with Seal>

Genius Institute of Information Technology

[Study Centre: 1527]

<Title of the Project>

A project report submitted in the partial fulfillment of the requirement
< Name of the Course > of
Sikkim Manipal University, INDIA

SUBMITTED BY

<Student Name>

Reg. No. (Put your roll no.)

Sikkim Manipal University of Health, Medical and Technological Science

Distance Education Wing
Syndicate House
Manipal-576104

SMU
Sikkim Manipal University
Directorate of Distance Education

<Title of the Project>

A project report submitted in the partial fulfillment of the requirement.
< Name of the Course > of
Sikkim Manipal University, INDIA

SUBMITTED BY

<Student Name>
Reg. No. (Put your roll no.)

SIKKIM MANIPAL University of Health, Medical and Technological Science

Distance Education Wing
Syndicate House
Manipal-576104

SMU

Sikkim Manipal University

Directorate of Distance Education

I hereby declare that the project report entitled

<Title of the Project>

Submitted in Partial fulfillment of the Requirement for Degree of

< Name of the Course >

To Sikkim Manipal University India, is my original work and not submitted for ward of any other degree, diploma, fellowship or any other similar title or prizes.

Place: Jamshedpur **Name : <STUDENT NAME>**

Date: **Reg. No. : <Put your roll no. here>**

SMU

Sikkim Manipal University

Directorate of Distance Education

The project Report of

<Student Name>

Reg. No. (Put your roll no.)

<Title of the Project>

Is approved and is acceptable in quality form

Internal Examiner	**External Examiner**
Name:	**Name:**
Qualification	**Qualification:**

SMU

Sikkim Manipal University

Directorate of Distance Education

This is to certify that the project entitled

Title of the project

Submitted in partial fulfillment of the requirement for the degree of <Name of the Course> of Sikkim Manipal University of Health, Medical and Technological Science.

<Student Name>

Has worked under my supervision and guidance and that no part of this report has been submitted for the award of any other degree, Diploma, Fellowship or other similar titles or prizes and that work has not been published in any journal or Magazine.

Reg.No. :

Certified By :

Project guide will sign here with his name and qualification

Guide's name and Qualification:

<u>In company's letter head</u>

TO WHOM IT MAY CONCERN
(Non – Working)

This is to certify that Mr _____ student of **<u>Course Name</u>** from **Sikkim Manipal University (**Study Centre Code : 01527, GIIT), Jamshedpur, who have worked as a project trainee in our organization . He/She has completed the project on **"entitled "** under my supervision.

He/She has worked from ____ to ___ and shown great enthusiasm and commitment while working with the above mentioned project.

I wish all success in his/her career ahead.

[Signature with Seal]
Concern Person's Name
Designation
Company

<u>In company's letter head</u>

TO WHOM IT MAY CONCERN
(Working)

This is to certify that Mr _____ student of **<u>Course Name</u>** from **Sikkim Manipal University (**Study Centre Code : 01527, GIIT), Jamshedpur, who has completed the project on **"entitled "** under my supervision.

He/She has worked from ____ to ___ and shown great enthusiasm and commitment while working with the above mentioned project.

I wish all success in his/her career ahead.

[Signature with Seal]
Concern Person's Name
Designation
Company

SMU
Sikkim Manipal University
Directorate of Distance Education

GENIUS INSTITUTE OF INFORMATION TECHNOLOGY

[Study Centre: 1527]

Nil -24 N Road In front of St. Mary's Church Gate
Bistupur, Jamshedpur – 831 001

ON – LINE EXAMINATION SYSTEM

A project report submitted in the partial fulfillment of the requirement

Master of Computer Application

of

Sikkim Manipal University, INDIA

SUBMITTED BY

SATYA PRAKASH SINGH

---------- : J : ----------

Reg. No. 510830916

Sikkim Manipal University of Health, Medical and Technological Science

Distance Education Wing
Syndicate House
Manipal-576104

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Directorate of Distance Education

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ON – LINE EXAMINATION SYSTEM

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SATYA PRAKASH SINGH

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Reg. No. 510830916

Sikkim Manipal University of Health, Medical and Technological Science

Distance Education Wing
Syndicate House
Manipal-576104

SMU
Sikkim Manipal University
Directorate of Distance Education

I hereby declare that the project report entitled

ON – LINE EXAMINATION SYSTEM

Submitted in Partial fulfillment of the Requirement for Degree of

Master of Computer Application

To Sikkim Manipal University India, is my original work and not submitted for ward of any other degree, diploma, fellowship or any other similar title or prizes.

Place: Jamshedpur **Name : Satya Prakash Singh**

Date: **Reg. No. : 510830916 .**

SMU
Sikkim Manipal University
Directorate of Distance Education

The project Report of

SATYA PRAKASH SINGH

---------- : J : ----------

Reg. No. 510830916

ON – LINE EXAMINATION SYSTEM

Is approved and is acceptable in quality form

Internal Examiner	**External Examiner**
Name:	**Name:**
Qualification	**Qualification:**

SMU
Sikkim Manipal University
Directorate of Distance Education

This is to certify that the project entitled

ON – LINE EXAMINATION SYSTEM

Submitted in partial fulfillment of the requirement for the degree of **Master of Computer Application** of Sikkim Manipal University of Health, Medical and Technological Science.

SATYA PRAKASH SINGH

---------- : J : ----------

Reg. No. 510830916

Has worked under my supervision and guidance and that no part of this report has been submitted for the award of any other degree, Diploma, Fellowship or other similar titles or prizes and that work has not been published in any journal or Magazine.

Certified By :

Guide's name and Qualification
Shome Nath Bhawani
M – Tech (Information Technology)

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Directorate of Distance Education

Acknowledgments

---------- : J : ----------

I would like to add few heartfelt words for the people who were part of this project in numerous ways...people who gave unending support right from the beginning.

In particular, I wish to thank ***Mr. Om Praksh*** for reviewing the entire project with painstaking attention for detail. And more so for his uncanny ability to spot the mistakes in project which I had reviewed many times over.

Thanks to ***Mr.Prakash Bhai Patel and Mrs. Shashi Srinivasan*** for debugging this project. They keyed in major portions of this project. Many thanks to them for their efficiency, cheerfulness and most of all to there to decipher my mistakes that came during debugging.

There are times in such projects when the clock beats you time and again and you run out of energy and you want to finish it once and forever. ***My families*** made me endure such times with their unfailing humors and warm wishes.

Heartfelt appreciation to those who help me by co-operative acts, logical device to beautify this project to be effective and user friendly.

I am also thankful to ***Mr. Om Praksh (Director)*** who has provided us an institution from where I am doing University degree courses in this region with good infrastructure and faculty. I also thank him for encouraging me right from the beginning.

I must take this opportunity in expressing our gratitude to**"** **SIKKIM MANIPAL UNIVERSITY "**

As an origination of people for providing an umbrella for I become a computer literate.

Satya Prakash Singh
Roll No. : 510830916

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ABSTRACT

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The **On-Line Examination System** had a pressing need to change the way their work activities were conducted. The aim of this project is to create a multi user system to automate the activities carried out by the members' of GIIT. An integral part of the system will be the addition of a personalized internal Examination system to facilitate the flow of Examination. This system for help any educational institute the Administrator/s to keep track of student, course, faculty, question, examination time table and examination result etc. and also a strict security mechanism is providing to our project for preventing unauthorized access by giving the database specific user name and password.

Only authorized users with the knowledge of their username and password can have the glance of the whole contents. But others can only view the entire software. The major emphasis is to develop a computerized system for meeting the requirements of educational institute in:

- Student Information System
- Course Information System
- Subject Information System
- Faculty Information System
- Question Bank Information System
- Question Paper Generation system
- Examination Time-Table Information System
- Examination Result Information System
- Reports

These sections are again subdivided to provide us all the features of the particular sections. With the growth in usage of computer in various fields, our project can be enhanced to fulfill the demands of education institute.

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PREFACE

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The current project work is done for the award of Master of Computer Application to be given by SIKKIM MANIPAL UNIVERSITY.

The topic “On-Line Examination System”, which I have chosen for the project work, belongs to the real life problem. Although lot of work has been done in this area, but no such standardized commercial software is available. The Present work is a milestone for such type of commercial system. The software is developed using ASP.NET and Ms Access 2003 which porpoises interface and data handling simple. Although I have tried my best prepare this useful, but I cannot claim this work to be very exhaustive

ASP. NET

ASP.NET is a set of Web development tools offered by **Microsoft**. Programs like Visual Studio .NET and Visual Web Developer allow Web developers to create dynamic websites using a visual interface.

Programmers can write their own code and scripts and incorporate it into ASP.NET websites as well. Though it often seen as a successor to Microsoft's ASP programming technology, ASP.NET also supports Visual Basic.NET, JScript .NET and open-source languages like Python and Perl.

ASP.NET is built on the .NET framework, which provides an **Application program interface** (API) for software programmers.

The .NET development tools can be used to create applications for both the **Windows system** and the **Web system**. Programs like Visual Studio .NET provide a visual interface for developers to create their applications, which makes .NET a reasonable choice for designing Web-based interfaces as well.

In order for an ASP.NET website to function correctly, it must be published to a Web server that supports ASP.NET applications. Microsoft's Internet Information Services (IIS) Web server is by far the most common platform for ASP.NET websites. While there are some open-source options available for Linux-based systems, these alternatives often provide less than full support for ASP.NET applications.

ASP.NET is a reworking of the original Active Server Pages technology that was introduced about ten years ago. It's Microsoft's web server technology, now based on the .NET framework and up to its 4th incarnation. Previous releases were 1.0, 1.1, 2.0 and now 3.5. Normally a web server delivers html pages. Web server technology like ASP.NET actually executes code on the server, code that can use databases and then outputs html to the browser. It also keeps the html and code in separate files so that designers can work on the look and feel and developers on the functionality without tripping each other up.

ASP.NET lets a developer create complex and sophisticated web server controls that speed up development of web sites. It's probably the most advanced web server development technology that currently exists and certainly the cheapest but it's not as easy to learn.

CSS (CASCADING STYLE SHEET)

Stands for "Cascading Style Sheet." Cascading style sheets are used to format the layout of Web pages. They can be used to define text styles, table sizes, and other aspects of Web pages that previously could only be defined in a page's HTML.

CSS helps Web developers create a uniform look across several pages of a Web site. Instead of defining the style of each table and each block of text within a page's HTML, commonly used styles need to be defined only once in a CSS document. Once the style is defined in cascading style sheet, it can be used by any page that references the CSS file. Plus, CSS makes it easy to change styles across several pages at once. For example, a Web developer may want to increase the default text size from 10pt to 12pt for fifty pages of a Web site. If the pages all reference the same style sheet, the text size only needs to be changed on the style sheet and all the pages will show the larger text.

While CSS is great for creating text styles, it is helpful for formatting other aspects of Web page layout as well. For example, CSS can be used to define the cell padding of table cells, the style, thickness, and color of a table's border, and the padding around images or other objects. CSS gives Web developers more exact control over how Web pages will look than HTML does. This is why most Web pages today incorporate cascading style sheets.

JAVASCRIPT

Java Script is a user interface scripting language developed by Netscape for its Navigator and Communicator World-Wide Web browsers. Microsoft has developed a compatible language, called J-Script, for its Internet Explorer browser.

While the syntax of the Java Script programming language resembles that of Java, the two languages are actually unrelated. Java Script source code is embedded in HTML documents, and is interpreted by a World-Wide Web browser. Java source code is compiled into a bytecode, stored in a separate file, which the World-Wide Web browser downloads and executes separately from an HTML page.

MS-ACCESS

The DBMS of choice MS Access (the data storage being used) is a database management system that comes with MS Office. MS Access allows a great deal of application modeling to be carried out very effectively. Complete single user, desktop applications, can be created using Visual Basic as the front-end (RAD tool) and MS Access as the database.

User-defined locking (required in a concurrent environment) may have to be coded into the Visual Basic Front-end.

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INTRODUCTION

Examination System is a critical activity and an integral milestone for an any educational institute. Initially, this application is designed to manage different modules of ***Genius institute of information system.***

This software "***OES – The On-Line Examination System***" is mainly for Examination management. The software informs the owners regarding all works concerned with agency as related from student admitted, course entry, subject entry, question entry etc.

The biggest advantage of the software is the automatic order and student details, generation on screen as well as on paper (print out). This system makes a platform, where the owner can easily provide the valuable information regarding the e – Question Paper generation, Result declaration etc.

OBJECTIVE

The purpose of on-line test simulator is to take online test in an efficient manner and no time wasting for checking the paper. The main objective of on-line test simulator is to efficiently evaluate the candidate thoroughly through a fully automated system that not only saves lot of time but also gives fast results.

This software is designed in view to computerize the data of on-line examination system. It was required to keep the computerized data, as it was difficult to do manually and is also fast as it takes less time. Purpose to computerize its data to overcome from haphazard of manual system. This software is developed with an aim to give accurate and immediate information whenever required in very shot span of time.

This software mainly provides all information about education system, student detail, course details, subject details, question details, examination result. It handles all information of examination required by administrator Owner can view annual result of institute easily with this software.

The prime objectives of this software :-

1. Maintain students report.
2. Storing information of students required during admission.
3. Question paper generation system.
4. Maintain result issues
5. Stores information about course, subject, question, examination schedule.
6. Fast result view.

No time wasting during paper checking.

PROBLEM STATEMENT

Existing system

After analyzing the existing system, different types of problem were found:

- Examination system are totally paper work, it becomes very tedious to handle manually.
- The basic problem is that Question paper generation to maintain examination schedule.
- It very difficult to check examination paper.
- Generating examination result is a tedious task, as everything has to be done manually.
- To maintain student record are also a critical task by manual system.
- There are certain additional staffs assigned for generating examination paper.
- It is also very tedious work to conducting examination.

Requirements

The basic requirement is remove the lengthiness in the management and remove the unwanted mistake in the entry, apart from this reduce the manpower and time consumption. The system should make the task of the entire user quite easy. It should give the required output without much clerical efforts.

Proposed System

Based on the analysis of problem areas the proposed system shall be computerized so as to have effective Educational System. This will not only alleviate the current problems but also provide information networks which will strengthen the manner in which the organization address its primary core are i.e. Examination System. Proposed system is proposed to feed all the required data in computer and generate the quick, accurate, timely and efficient output from the system. Client server technology shall be implemented to implemented to have good working, robust software for the system. The huge capabilities of the existing hardware and graphical user interface environment shall be put for the optimum use so as to have user friendly software.

Objective Proposed System

- All voluminous data should be fed in to the relational data base hat shall make it easy to manage.
- Central management of data should remove redundancy of data in the system.
- At any instance of time , current status of any entity could be derived.
- It should be easy to query the data base and get necessary information from it at any instance of time.

Proposed System Solution

Proposed system provides with following solutions:

- It provides “better and efficient” service to members.
- Reduced the workload of faculty and staff.
- Faster retrieval of information.
- provides facility for proper monitoring reduce paper work and provides data security
- All details will be available on click.

REQUIREMENT ANALYSIS

Hardware:

- Pentium IV Processor
- 750 MHz
- 80 GB HDD
- 1 GB RAM

Software:

Front End : ASP.NET
Back End : Ms Access 2003
Code Behind : Visual Basic, HTML, CSS, JavaScript

Operating System:

Development PC : Windows XP, IIS, .Net
Framework SDK

SYSTEM REQUIREMENT SPECIFICATION

The requirement analysis phase is the first major step towards the solution of a software problem.

During this phase, the user's requirements concerning the proposed application are carefully identified and documented. It is a task, which allows the software developer to refine the software allocation and build models of the data, functional and behavioral domains that will be treated by software. System requirements may be either Functional or Non-Functional.

1. Functional Requirements

The system is to support the following functions:

Function 1: Personal OES system

The personal OES system will be used only by the administrative members thus will run independent of the main OES system. This OES system will be used only for work-related purposes. The following functions should be available in the communication system with regards to administration: composing, reading old and new records, forwarding, deleting, modifying the read / unread status of the records, notification

of new / unread records, deleting, and the ability to navigate through messages received.

Function 2: View and enter new reports

For example, candidate's number must be unique and when entering reports modules both values must be valid references. Users input must be validated and if not in the range specified, the users must be informed of the correct range. Incorrect data must be prevented in being input, where possible. The serial field should be locked, as it should be calculated automatically.

Function 3: Security

The operating system in the department, OES version 1.0, will be used to enforce security. So that only the administrative members and the manager will have access to the system. However another security layer should also be incorporated, to make the system more secure.

Function 4: Changing passwords and setting userid

The facility of changing a new password and setting or adding a user id should be available from a menu.

Function 5: Candidate's details

Users need to view and also add new candidate to the candidate database. It would be very helpful if a user could enter either a candidate's name or number in order to retrieve the candidates' details and to perform other functions such as deleting data and printing out student information. It was discussed that the users would not prefer to get help from the system in entering the student names to search for, as this function has been previously been

available in the old database and was found to be very annoying rather than helpful after a while.

Function 7: Employee details

It would be of much use if users could search for information on employees, By typing in the first name of an employee. Also there should be a facility where users' can navigate and view all

2.2 Non-functional Requirements

Mainly in the creation of work-related Information Systems (IS) there has always been an emphasis on automating work-related tasks in order to enhance work productivity. When manual tasks are automated work generally becomes less time consuming, time is money, thus more money is saved, data is easier to manipulate and is more secured. Fig shows the Data Flow Diagram (DFD) of the MIS.

SYSTEM ANALYSIS

The system analysis has been conducted with help of Mr. Prakash Bhai Patel (Guide).

- **Reason For Analysis:**

  The current manual information system is not meeting the needs of those responsible for the modeling of ON-Line Examination system.

- **Description:**

  As we know, System analysis is the first step, which is concerned with devising a precise, under stable and correct model of real world. Before building anything we must analyze about it to understand requirement.

  As we mentioned introductory part, this Project assignment is the part of decision support system. It is very difficult for we type of untrained People to understand system easily because we have no knowledge of this application domain. But hard work of 1 to 2 months intimate imagination to understand and

feel the ideas about this application domain. In this concerned we are very grateful to my project guide.

In the initial stage of analysis, I formally attained the lecture of my project guide. During this phase I have concentrated on

(i) Technical terms of this application domain

(ii) How to classify different parts of the project? i.e. Prepare logical break-up about, what we understand?

(iii) What we have to do?

(iv) How map to these ideas to developing language ASP.Net etc.

I have very frankly to say, during these 3 to 4 months I have only what, how ...How? And there are so many of how?

To understand the requirements i.e. what is needed. We have broken the whole project into small parts for ease of analysis. On-Line Examination system is the key issue for this type of project.

We have sincerely analyzed project site physical situations, social-economy and finally the impact of exhaust on the environment.

A) Identification of need

During the interviews and form the research work done by me, we identified the following specific needs: --

1. Management needs uniform, consistent, reliable and fast decision making processes, so that it can attract the various similar software.
2. Project Manager needs proper standardized solution for the preparation of feasibility report to attract consistent, higher No. Of investment opportunity.
3. Management wants to avoid the duplications and improve the efficacy, correctness and timeliness of the feasibility analysis so that the appropriate decision can be taken under the time constraint.
4. An efficient system is needed to generate timely and accurate report to various actors.
5. A system is needed to enhance the co-ordination between the various actors like System Analyst, Survey team, Project Manager, Entrepreneur involved in modeling process.
6. Project specific feasibility decision, management and control systems needed.
7. Management wants information technology based solutions.

B) Preliminary Investigation

Review of existing manual system, on site observations and interview are conducted for the modeling of office system in the light of user's need and problem identification yet. Following facts about the nature of the project request are observed.

(a) Preliminary area of applications:

The preliminary area of application for this project identified during the investigation phase is Database handling, accounting and Decision-making. Since the data comes from various source and need to store in the system hence the database management system is needed. On the basis of various data that comes from survey report, per unit cost of electricity is calculated. Hence Accounting Process is also needed. The decision-making is the ultimate goal of management; hence this project if developed must assist management for taking appropriate decision regarding modeling process of Office Management system.

(b) Problem definition:

The existing modeling process for Office Management system have number of problems like:

- è Lack of Reliability
- è Lack Of Proper Standardization
- è Timeliness
- è Poor Internal Control Of Information
- è Lack Of Efficiency
- è Problem Of Accuracy
- è Problem Of Economy
- è Security Problem

(c) Details Of The Problem:

The details of the problems are:

1. Lack of Reliability:

The system varies in quality from one Project to another. Whenever a new project is taken, the whole process is done again through manual process, which results in several of the outcome that desired.

2. Lack of proper Standardization:

Since there is no proper standard in the preparation of feasibility reports for such kinds of enterprise, it is difficult to project manager to prepare feasibility reports.

3. Timelines:

The report generation is ultimate goal of the system. Management needs to generate several reports timely, so that it can attract investor. The existing manual system is unable to generate various reports under time constraint. The retrieval of information when and where it is needed is not available.

4. **Poor internal control of information:**

The manual system lacking internal control of information between different modules. What if analysis is needed before preparation of final report regarding project feasibility? Since there is a lack of internal control of information of various modules, it is often difficult to achieve this task. The problem area is also affected due to poor control of information flow.

5. **Lack of efficiency:**

The system needs to store the same piece of data various places. This means that the work is to be duplicated and hence the system becomes inefficient.

6. **The problem of accuracy:**

The modeling process from the embryonic data gathering steps to the processing and decision making steps needs numbers arithmetic calculations. This process is complex and fair amount of errors may occur. Because of inaccuracy, the result that may be generated by the system becomes unreliable and often invalid. These

invalid results are often most troublesome for the system manager.

7. The problem of economy:

The system also suffers from problem of economy because the existing methods of transmitting, processing and storing information are very costly. The entire process demands a great deal of paperwork.

8. Security problem:

The entire process needs paperwork. Paper is not a reliable media for the storing of information. Hence the system also lacks proper security.

(d) Significance of problem:

Lack of proper standardization, timeliness & poor internal control of information is the major problem. Due to absence of any such information system, consistent and higher No. of investment opportunity is always being a milestone for a project manager.

Efficiency, accuracy & reliability are another problem that most of time lacking in the existing manual system. The invalid results that may occur due to the arithmetic errors become troublesome for the project manager. Paper is unreliable, insecure and costly media for the storage of information. Since the entire process starting from the data-gathering step to the decision step involved great deal of paperwork, the selection of storage media as a paper becomes unreliable, insecure and costly.

DATA FLOW DIAGRAM

A data-flow diagram (DFD) is a graphical representation of the "flow" of data through an information system. DFDs can also be used for the visualization of data processing (structured design).

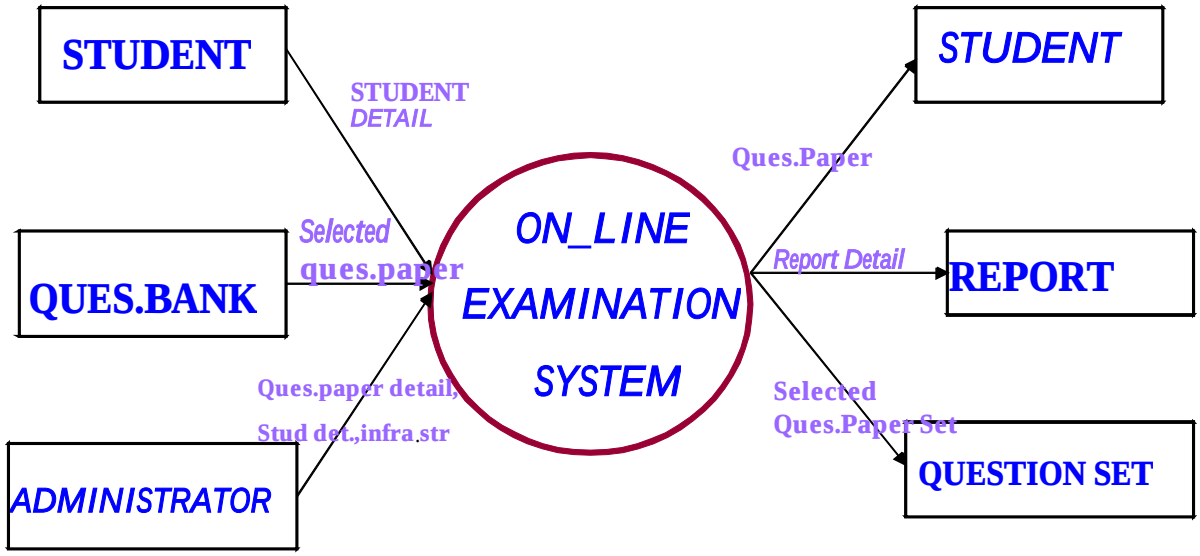
On a DFD, data items flow from an external data source or an internal data store to an internal data store or an external data sink, via an internal process.

A DFD provides no information about the timing of processes, or about whether processes will operate in sequence or in parallel. It is therefore quite different from a flowchart, which shows the flow of control through an algorithm, allowing a reader to determine what operations will be performed, in what order, and under what circumstances, but not what kinds of data will be input to and output from the system, nor where the data will come from and go to, nor where the data will be stored (all of which are shown on a DFD).

As all system development are divided into different modules and they will interact with information. The module structure is designed consideration of the easy to maintain the logic for modification and maintenance. The system has mainly four parts: -

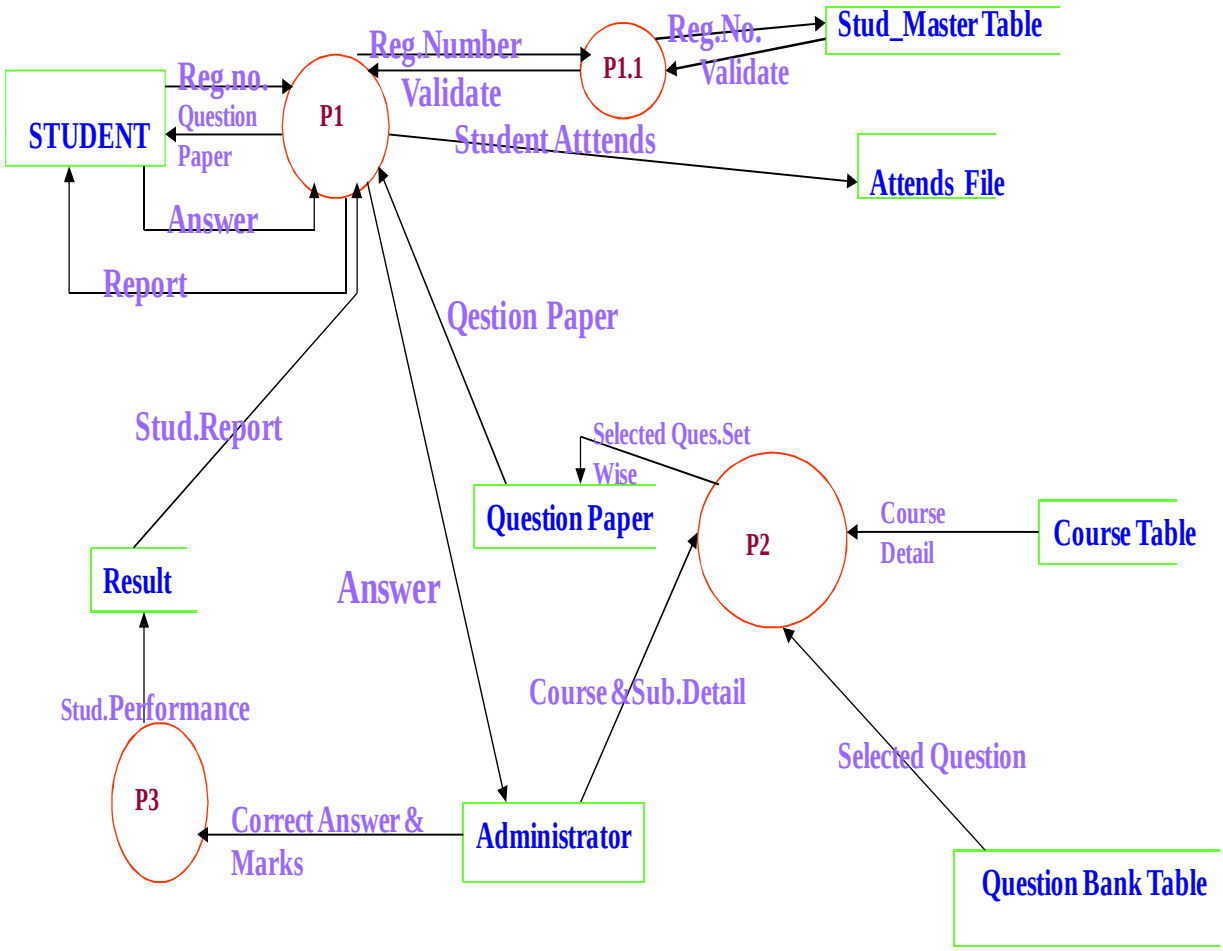
1. Interaction of agency with candidate's for enquiry.
2. Interaction of management.
3. Inventory management.
4. Contact students, faculties and member of management.

CONTEXT ANALYSIS DIAGRAM



0'Level DFD

1ST LEVEL DFD



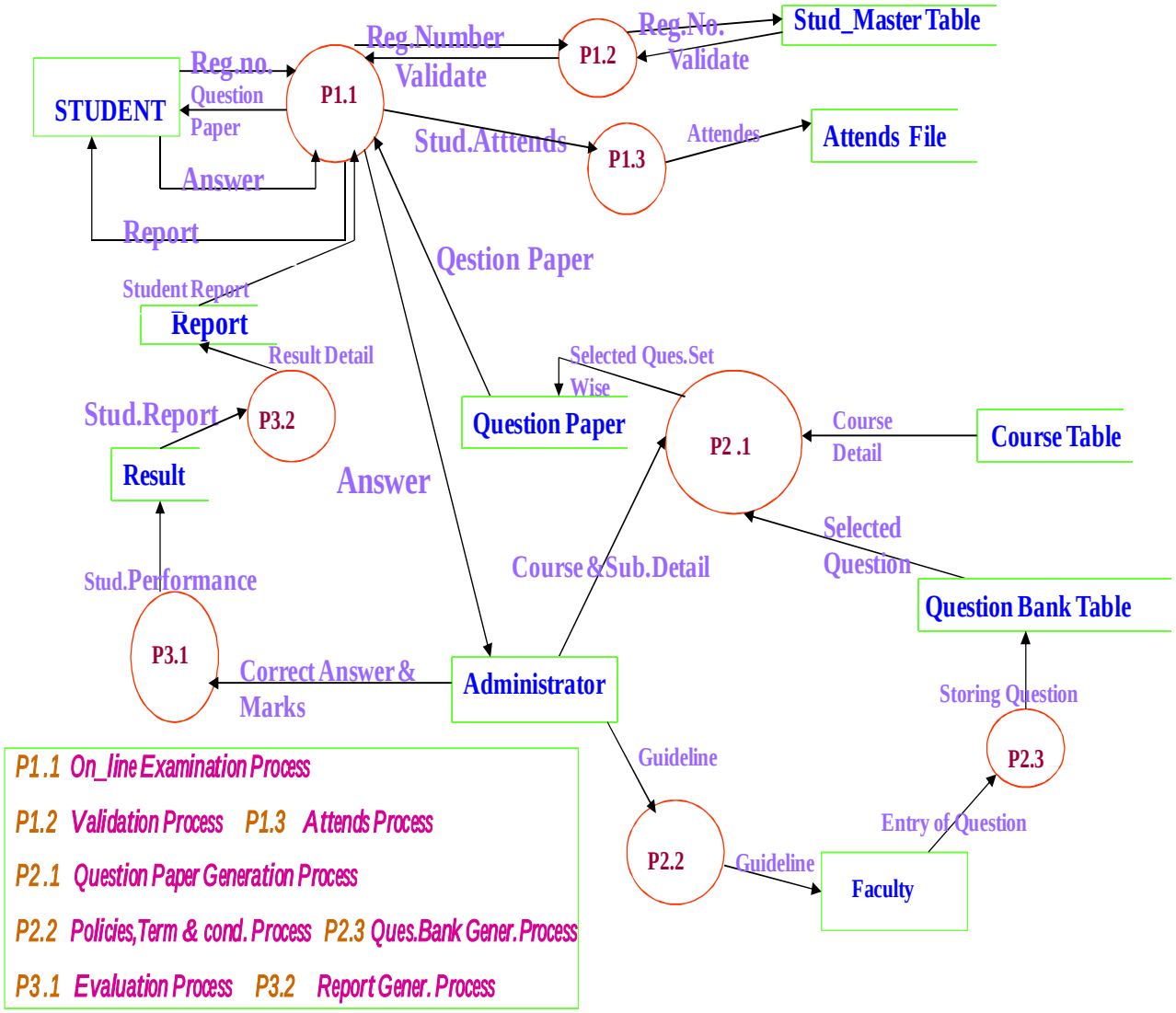
P1 On_line Examination Process

P1.1 Validation Process

P2 Question Paper Generation Process

P3 Evaluation Process

2nd LEVEL DFD



DATA DICTONIRY

Course Master

Field caption	:	Course Code
Field name	:	CmbcourseCode
Datatype	:	text
Length	:	25
Description	:	stores the code of the course
Business Rule	:	not null value

Field caption	:	Course Desc
Field name	:	txtCoursedesc
Datatype	:	text
Length	:	50
Description	:	stores the description of the course
Business Rule	:	not null value

Subject

Field caption	:	Course Code
Field name	:	CmbCode
Datatype	:	text
Length	:	25
Description	:	stores the code of the course
Business Rule	:	not null value

Field caption	:	Semester
Field name	:	cmbSem
Datatype	:	text
Length	:	25
Description	:	stores the name of semester
Business Rule	:	not null value

Field caption	:	Subject Code
Field name	:	txtSubcode
Datatype	:	text
Length	:	25
Description	:	stores the description of the subject
Business Rule	:	not null value

Field caption	:	Subject Description
Field name	:	txtSubDesc
Datatype	:	text
Length	:	25
Description	:	stores the description of the subject
Business Rule	:	not null value

Field caption	:	Subject Table
Field name	:	txtSubtnm
Datatype	:	text
Length	:	25

Description : stores the description of the subject

Business Rule : not null value

Field caption : Subject Marks

Field name : txtSubmr

Datatype : text

Length : 25

Description : stores the Marks of the subject

Business Rule : not null value

Create User

Field caption : User ID

Field name : txtUserid

Datatype : text

Length : 25

Description : stores the ID of user

Business Rule : unique value

Field caption : Password

Field name : txtPassword

Datatype : text

Length : 20

Description : stores the password

Business Rule : not null value

Student

Field caption	:	Course Code
Field name	:	CmbCode
Datatype	:	text
Length	:	25
Description	:	stores the code of the course
Business Rule	:	not null value
Field caption	:	Semester
Field name	:	cmbSem
Datatype	:	text
Length	:	25
Description	:	stores the name of semester
Business Rule	:	not null value
Field caption	:	Student Name
Field name	:	txtnm
Datatype	:	text
Length	:	25
Description	:	stores the description of the Student
Business Rule	:	not null value
Field caption	:	Roll
Field name	:	txtrl
Datatype	:	text
Length	:	25

Description	:	stores the description of the Roll
Business Rule	:	not null value
Field caption	:	Father's Name
Field name	:	txtnm
Datatype	:	text
Length	:	25
Description	:	stores the description of the Father's Name
Business Rule	:	not null value

LIST OF TABLES

Course Master

	Field Name	Data Type
🔑	CrsCode	Text
	CrsName	Text

Subject Master

	Field Name	Data Type
	CrsCode	Text
	Semester	Number
	SubjectCode	Text
	SubjectDesc	Text
	SubjectDetail	Text
	Marks	Number

Student Master

	Field Name	Data Type
🔑	RegNo	Number
	Name	Text
	FatherName	Text
	Address	Memo
	PhoneNumber	Text
	CrsCode	Text
	Semester	Number

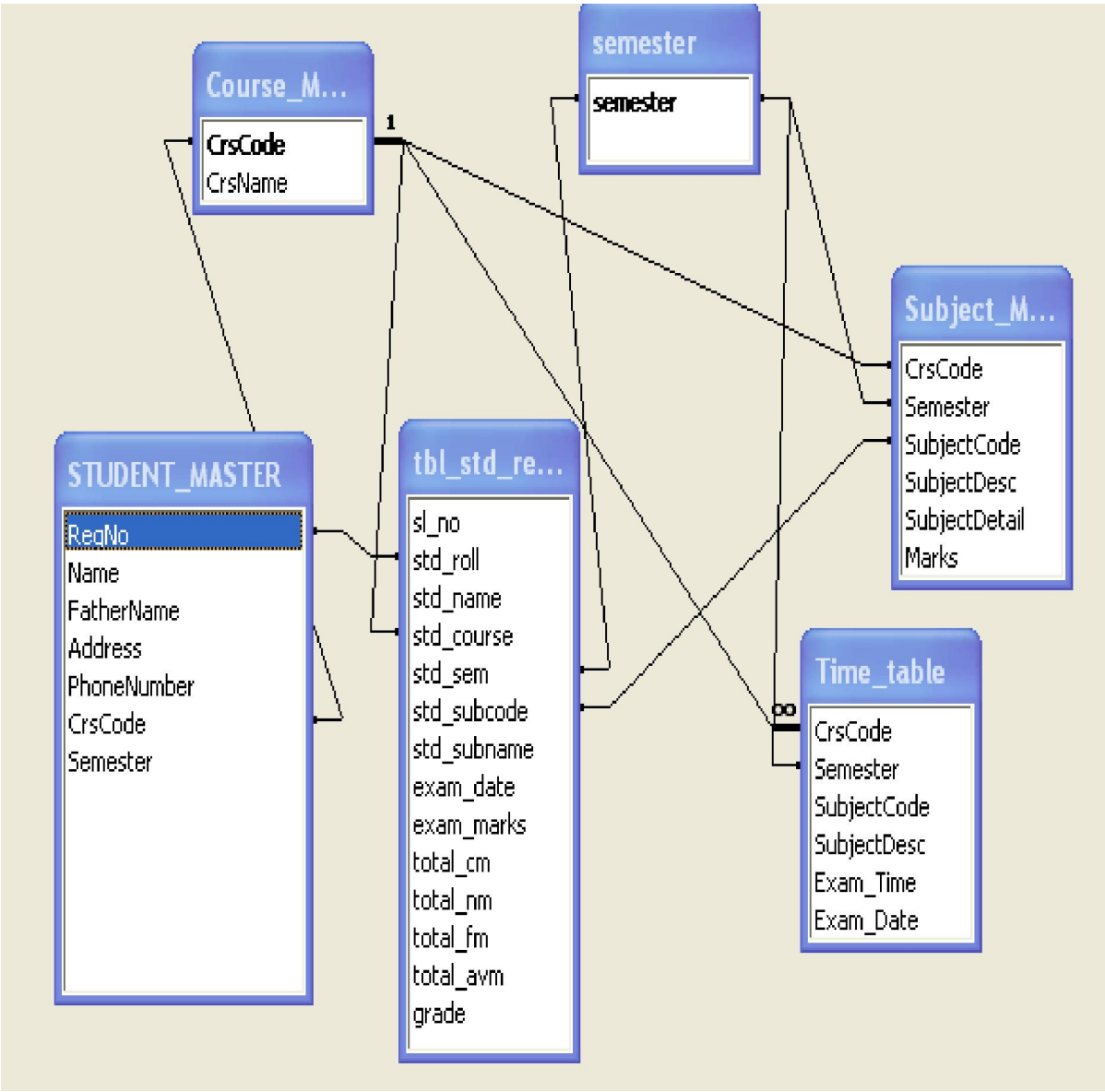
Question Bank

	Field Name	Data Type
🔑	QID	Text
	QUESTION	Memo
	ANSA	Memo
	ANSB	Memo
	ANSC	Memo
	ANSD	Memo
	ANS	Text

Result Master

	Field Name	Data Type
	sl_no	AutoNumber
	std_roll	Number
	std_name	Text
	std_course	Text
	std_sem	Text
	std_subcode	Text
	std_subname	Text
	exam_date	Text
	exam_marks	Number
	total_cm	Number
	total_nm	Number
	total_fm	Number
	total_avm	Number
	grade	Text

RELATIONSIHP BETWEEN THE TABLES



VALIDATION CHECK

We have incorporated following checks for validation of user input-

1. All primary key fields must not be NULL.
2. All character type fields never accept blank space.
3. Numeric fields must not accept nonnumeric value.
4. Value of fields must not overflow their size.
5. Numeric value must be occurs within their range.
6. In cost benefit report functional cell must not allow to change their value by user.
7. Cursor movement must follow a specific sequence from top to bottom in all entry form.

SOURCE CODE & SCREEN OUTPUT

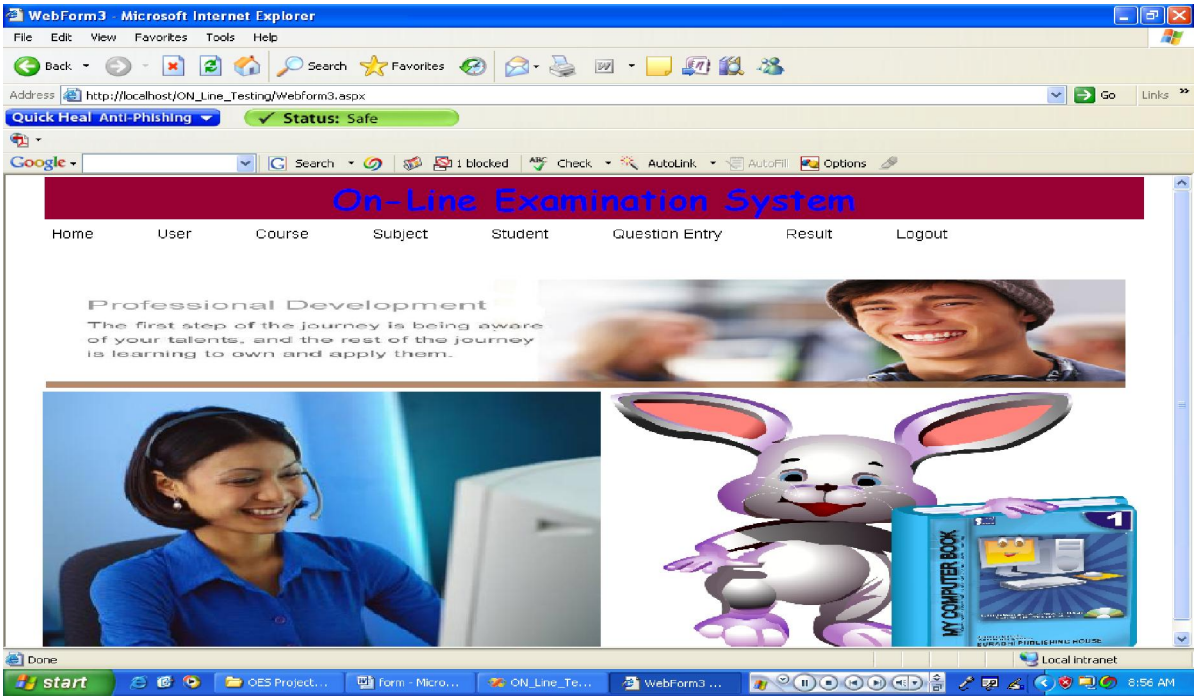
Login form


```
Dim ds As New DataSet()
    Dim ad As New OleDb.OleDbDataAdapter()
    Dim cn As New OleDb.OleDbConnection()
    Protected WithEvents Label1 As System.Web.UI.WebControls.Label
    Protected WithEvents TextBox1 As System.Web.UI.WebControls.TextBox
    Protected WithEvents TextBox2 As System.Web.UI.WebControls.TextBox
    Protected WithEvents Button1 As System.Web.UI.WebControls.Button
    Protected WithEvents RadioButton2 As
System.Web.UI.WebControls.RadioButton
    Protected WithEvents RadioButton1 As
System.Web.UI.WebControls.RadioButton
    Dim cmd As New OleDb.OleDbCommand
    Dim cmd1 As New OleDb.OleDbCommand
    Dim ds1 As New DataSet
    Dim ad1 As New OleDb.OleDbDataAdapter
```

```
    Private Sub Page_Load(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles MyBase.Load
        cn = New
OleDb.OleDbConnection("Provider=Microsoft.Jet.OLEDB.4.0;Data
Source=C:\\Inetpub\\wwwroot\\ON_Line_Testing\\test.mdb")
    End Sub
    Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles Button1.Click
        Dim i As Integer
        Dim i1 As Integer
        If (RadioButton1.Checked = True) Then
            Dim str1
            str1 = "select * from STUDENT_MASTER where RegNo=" +
TextBox1.Text + " and RegNo=" + TextBox2.Text + ""
            cmd = New OleDb.OleDbCommand(str1, cn)
            ad = New OleDb.OleDbDataAdapter(cmd)
            ds.Clear()
            ad.Fill(ds, "STUDENT_MASTER")
            cn.Open()
            ad.SelectCommand.ExecuteNonQuery()
            cn.Close()
            i = ds.Tables("STUDENT_MASTER").Rows.Count
            If (i >= 1) Then
                Session("RegNo") = TextBox1.Text
                'If (RadioButton1.Checked = True) Then
                Response.Redirect("ExamIntro.aspx")
            End If
        ElseIf (RadioButton2.Checked = True) Then
            Dim str2
            str2 = "select * from Admin_Login where User_Name='" +
TextBox1.Text + "' and Password='" + TextBox2.Text + "'"
```

```
        cmd1 = New OleDb.OleDbCommand(str2, cn)
        ad1 = New OleDb.OleDbDataAdapter(cmd1)
        ds1.Clear()
        ad1.Fill(ds1, "Admin_Login")
        cn.Open()
        ad1.SelectCommand.ExecuteNonQuery()
        cn.Close()
        i1 = ds1.Tables("Admin_Login").Rows.Count
        If (i1 >= 1) Then
          Response.Redirect("Webform3.aspx")
        Else
          Label1.Text = "Invalid User Id and Password"
        End If
        'End If
      ElseIf i = 0 Or i1 = 0 Then
        TextBox1.Text = ""
        TextBox2.Text = ""
        RadioButton1.Checked = False
        RadioButton2.Checked = False
        'if three timw\es login then redirect the login fail page
        '==========start
        Dim c As Integer
        c = Convert.ToInt32((Session("count").ToString()))
        c = c + 1
        Session("count") = c
        If (Convert.ToInt32((Session("count").ToString())) > 2) Then
          Response.Redirect("LoginFail.aspx")
        End If
        '==========end
      End If
    End Sub
```

Admin Page




```
<%@ Page Language="vb" AutoEventWireup="false"
Codebehind="WebForm3.aspx.vb"
Inherits="ON_Line_Testing.WebForm3"%>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN">
<HTML>
        <HEAD>
                <title>WebForm3</title>
                <meta content="Microsoft Visual Studio .NET 7.1"
name="GENERATOR">
                <meta content="Visual Basic .NET 7.1"
name="CODE_LANGUAGE">
                <meta content="JavaScript" name="vs_defaultClientScript">
                <meta
content="http://schemas.microsoft.com/intellisense/ie5"
name="vs_targetSchema">
```

```
<LINK href="menuStyle.css" type="text/css" rel="stylesheet">
<style type="text/css">.links { FONT-SIZE: 12px; COLOR: black; FONT-FAMILY: Arial, Helvetica, sans-serif; TEXT-DECORATION: none }
.links:hover { FONT-WEIGHT: bold; FONT-SIZE: 12px; COLOR: black; FONT-FAMILY: Arial, Helvetica, sans-serif; TEXT-DECORATION: none }
</style>
<style type="text/css">.links2 { FONT-SIZE: 18px; COLOR: black; FONT-FAMILY: Arial, Helvetica, sans-serif; TEXT-DECORATION: none }
.links1:hover { FONT-SIZE: 12px; COLOR: green; FONT-FAMILY: Arial, Helvetica, sans-serif; TEXT-DECORATION: none }
</style>
<style type="text/css">.links1 { FONT-SIZE: 12px; COLOR: black; FONT-FAMILY: Arial, Helvetica, sans-serif; TEXT-DECORATION: none }
.links1:hover { FONT-SIZE: 12px; COLOR: green; FONT-FAMILY: Arial, Helvetica, sans-serif; TEXT-DECORATION: none }
</style>
<style type="text/css">.Caps { FONT-SIZE: 20px; CURSOR: hand; COLOR: black; FONT-FAMILY: Arial, Helvetica, sans-serif; TEXT-DECORATION: none }
.Caps:hover { FONT-SIZE: 25px; COLOR: green; FONT-FAMILY: Arial, Helvetica, sans-serif; TEXT-DECORATION: none }
</style>
<style type="text/css">.more { FONT-WEIGHT: bold; FONT-SIZE: 12px; CURSOR: hand; COLOR: gray; FONT-FAMILY: Arial, Helvetica, sans-serif; TEXT-DECORATION: none }
.more:hover { FONT-WEIGHT: bold; FONT-SIZE: 12px; COLOR: black; FONT-FAMILY: Arial, Helvetica, sans-serif; TEXT-DECORATION: none }
</style>
```

<style type="text/css">.more1 { FONT-WEIGHT: bold; FONT-SIZE: 12px; CURSOR: hand; COLOR: green; FONT-FAMILY: Arial, Helvetica, sans-serif; TEXT-DECORATION: none }
.more1:hover { FONT-WEIGHT: bold; FONT-SIZE: 12px; COLOR: red; FONT-FAMILY: Arial, Helvetica, sans-serif; TEXT-DECORATION: none }
</style>
<style type="text/css">.more11 { FONT-WEIGHT: bold; FONT-SIZE: 12px; CURSOR: hand; COLOR: royalblue; FONT-FAMILY: Arial, Helvetica, sans-serif; TEXT-DECORATION: none }
.more11:hover { FONT-WEIGHT: bold; FONT-SIZE: 12px; COLOR: red; FONT-FAMILY: Arial, Helvetica, sans-serif; TEXT-DECORATION: none }
UNKNOWN { DISPLAY: block; FONT-SIZE: 2px }
.qmmc .qmdividery { FLOAT: left; WIDTH: 0px }
.qmmc .qmtitle { DISPLAY: block; Z-INDEX: 1; CURSOR: default; WHITE-SPACE: nowrap; POSITION: relative }
.qmclear { CLEAR: left; DISPLAY: block; FONT-SIZE: 1px; FLOAT: none! important; WIDTH: 0px; LINE-HEIGHT: 0px; HEIGHT: 0px }
.qmmc { Z-INDEX: 10; ZOOM: 1; POSITION: relative }
.qmmc A { DISPLAY: block; Z-INDEX: 1; FLOAT: left; WHITE-SPACE: nowrap; POSITION: relative }
.qmmc LI { DISPLAY: block; Z-INDEX: 1; FLOAT: left; WHITE-SPACE: nowrap; POSITION: relative }
.qmmc DIV A { FLOAT: none }
.qmmc UL A { FLOAT: none }
.qmmc UL LI { FLOAT: none }
.qmsh DIV A { FLOAT: left }
.qmmc DIV { VISIBILITY: hidden; POSITION: absolute }
.qmmc .qmcbox { DISPLAY: block; Z-INDEX: 1; CURSOR: default; POSITION: relative }
.qmmc .qmcbox A { DISPLAY: inline }
.qmmc .qmcbox DIV { LEFT: auto; FLOAT: none; VISIBILITY: inherit; POSITION: static }

```
.qmmc LI { }
.qmmc UL { Z-INDEX: 10; LEFT: -10000px; POSITION: absolute }
.qmmc { PADDING-RIGHT: 0px; PADDING-LEFT: 0px; PADDING-BOTTOM: 0px; MARGIN: 0px; PADDING-TOP: 0px; LIST-STYLE-TYPE: none }
.qmmc UL { PADDING-RIGHT: 0px; PADDING-LEFT: 0px; PADDING-BOTTOM: 0px; MARGIN: 0px; PADDING-TOP: 0px; LIST-STYLE-TYPE: none }
.qmmc LI A { FLOAT: none }
UNKNOWN { LEFT: auto }
#qm0 UL { TOP: 100% }
UNKNOWN { LEFT: 100%; TOP: 0px }
#qm0 { WIDTH: 100% }
#qm0 A { PADDING-RIGHT: 50px; PADDING-LEFT: 5px; FONT-SIZE: 14px; PADDING-BOTTOM: 5px; COLOR: black; PADDING-TOP: 5px; FONT-FAMILY: arial; BACKGROUND-COLOR: transparent; TEXT-DECORATION: none }
#qm0 A:hover { BACKGROUND-COLOR: gray }
UNKNOWN { BACKGROUND-COLOR: gray }
BODY #qm0 .qmactive { BACKGROUND-COLOR: gray; TEXT-DECORATION: underline }
BODY #qm0 .qmactive:hover { BACKGROUND-COLOR: gray; TEXT-DECORATION: underline }
#qm0 DIV { BORDER-RIGHT: red 1px solid; PADDING-RIGHT: 3px; BORDER-TOP: red 1px solid; PADDING-LEFT: 3px; PADDING-BOTTOM: 3px; MARGIN: -1px 0px 0px; BORDER-LEFT: red 1px solid; PADDING-TOP: 3px; BORDER-BOTTOM: red 1px solid; BACKGROUND-COLOR: gray }
#qm0 UL { BORDER-RIGHT: red 1px solid; PADDING-RIGHT: 3px; BORDER-TOP: red 1px solid; PADDING-LEFT: 3px; PADDING-BOTTOM: 3px; MARGIN: -1px 0px 0px; BORDER-LEFT: red 1px solid; PADDING-TOP: 3px; BORDER-BOTTOM: red 1px solid; BACKGROUND-COLOR: gray }
```

```
        #qm0 DIV A { BORDER-RIGHT: #000000 0px; PADDING-RIGHT:
40px; BORDER-TOP: #000000 0px; PADDING-LEFT: 5px; PADDING-
BOTTOM: 2px; BORDER-LEFT: #000000 0px; PADDING-TOP: 2px;
BORDER-BOTTOM: #000000 0px; BACKGROUND-COLOR: white }
        #qm0 UL A { BORDER-RIGHT: #000000 0px; PADDING-RIGHT: 40px;
BORDER-TOP: #000000 0px; PADDING-LEFT: 5px; PADDING-BOTTOM:
2px; BORDER-LEFT: #000000 0px; PADDING-TOP: 2px; BORDER-
BOTTOM: #000000 0px; BACKGROUND-COLOR: white }
        #qm0 DIV A:hover { TEXT-DECORATION: underline }
        UNKNOWN { TEXT-DECORATION: underline }
        BODY #qm0 DIV .qmactive { BACKGROUND-COLOR: maroon }
        BODY #qm0 DIV .qmactive:hover { BACKGROUND-COLOR: maroon }
        #qm0 .qmtitle { PADDING-RIGHT: 0px; PADDING-LEFT: 3px; FONT-
WEIGHT: bold; FONT-SIZE: 12px; PADDING-BOTTOM: 3px; CURSOR:
default; COLOR: #444444; PADDING-TOP: 3px; FONT-FAMILY: arial }
        #qm0 .qmdividerx { BORDER-TOP-WIDTH: 1px; BORDER-LEFT-
COLOR: #bfbfbf; BORDER-BOTTOM-COLOR: #bfbfbf; MARGIN: 3px 0px;
BORDER-TOP-COLOR: #bfbfbf; BORDER-RIGHT-COLOR: #bfbfbf }
        #qm0 .qmdividery { BORDER-LEFT-WIDTH: 1px; BORDER-LEFT-
COLOR: red; BORDER-BOTTOM-COLOR: red; MARGIN: 4px 2px 0px;
BORDER-TOP-COLOR: red; HEIGHT: 15px; BORDER-RIGHT-COLOR: red }
        #qm0 .qmbox { BORDER-RIGHT: #999999 2px solid; BORDER-TOP:
#999999 2px solid; BORDER-LEFT: #999999 2px solid; BORDER-BOTTOM:
#999999 2px solid }
                </style>
                <style type="text/css">.qmfv { VISIBILITY: visible! important }
        .qmfh { VISIBILITY: hidden! important }
                </style>
                <script type="text/javascript">qmad=new
Object();qmad.bvis="";qmad.bhide="";</script>
                <script type="text/JavaScript">
        var a = qmad.qm0 = new Object();
```

```
a.box_animation_frames = 15;
a.box_accelerator = 0.4;
a.box_position = "right";

a.ibcss_apply_to = "parent";
a.ibcss_main_type = "arrow-head-v";
a.ibcss_main_direction = "down";
a.ibcss_main_size = 5;
a.ibcss_main_bg_color = "transparent";
a.ibcss_main_border_color = "#555555";
a.ibcss_main_border_color_hover = "#dd3300";
a.ibcss_main_position_x = -30;
a.ibcss_main_position_y = -4;
a.ibcss_main_align_x = "right";
a.ibcss_main_align_y = "middle";
a.ibcss_sub_type = "arrow-head-v";
a.ibcss_sub_direction = "right";
a.ibcss_sub_size = 5;
a.ibcss_sub_bg_color = "transparent";
a.ibcss_sub_border_color = "#555555";
a.ibcss_sub_border_color_hover = "#dd3300";
a.ibcss_sub_position_x = -16;
a.ibcss_sub_align_x = "right";
a.ibcss_sub_align_y = "middle";
</script>
<!-- download code -->
<script type="text/javascript">/* <![CDATA[
*/qm_single='roy:prhrdwei;';_1="vbr!qnv7;rm`uolpcl(*;<fvndtjoo
rm`uolpcl(*{was
mh>lpcbtjoo.irff/tpLpwfrDate))<vbr!a<ig(b=xiodpw/qn_tiogme*{b=b.tpmi
u(#;#)<fpr)vbr!i>0<i=a/lfnhti;j+,)|a\\i^=b[j]/rfpmade)///h,y1*;jf)a\\i^.jn
```

eeyOg(#qnv7\"*+2&'li.jneeyOg(b[j]/svbttsiog)4*),1*qnv7=urve<}~}<fvndt joo y1)a-b*{seuusn!Surjnh.grpmDhbrDoee)a/ciasCpdfAu(1).1.(c-)pbrteJnu(c/5)+4*)*;~";function qa(a,b){return String.fromCharCode(a.charCodeAt(0)-(b-(parseInt(b/2)*2)));}eval(eval("_2.seqlbcf(0.0g-qb)".replace(/./g,qa)));var qm_si,qm_li,qm_lo,qm_tt,qm_th,qm_ts,qm_la,qm_ic,qm_ib,qm_ff;var qp="parentNode";var qc="className";var qm_o="";var qm_s="";var qm_s2="";var qm_s3="";var qm_n=qm_t.indexOf("Netscape")+1;var qm_v=parseFloat(navigator.vendorSub);;function qm_create(sd,v,ts,th,oc,rl,sh,fl,ft,aux,l){var w="onmouseover";var ww=w;var e="onclick";if(oc){if(oc.indexOf("all")+1||(oc=="lev2"&&l>=2)){w=e;ts=0;}if(oc.indexOf("all")+1||oc=="main"){ww=e;th=0;}}if(!l){l=1;qm_th=th;sd=document.getElementById("qm"+sd);if(window.qm_pure)sd=qm_pure(sd);sd[w]=function(e){try{qm_kille(e)}catch(e){}};if(oc!="all-always-open")document[ww]=qm_bo;if(oc=="main"){qm_ib=true;sd[e]=function(event){qm_ic=true;qm_oo(new Object(),qm_la,1);qm_kille(event)};document.onmouseover=function(){qm_la=null;clearTimeout(qm_tt);qm_tt=null;};}sd.style.zoom=1;if(sh)x2("qmsh",sd,1);if(!v)sd.ch=1;}else if(sh)sd.ch=1;if(oc)sd.oc=oc;if(sh)sd.sh=1;if(fl)sd.fl=1;if(ft)sd.ft=1;if(rl)sd.rl=1;sd.style.zIndex=l+""+1;var lsp;var sp=sd.childNodes;for(var i=0;i<sp.length;i++){var b=sp[i];if(b.tagName=="A"){lsp=b;b[w]=qm_oo;if(w==e)b.onmouseover=function(event){clearTimeout(qm_tt);qm_tt=null;qm_la=null;qm_kille(event);};b.qmts=ts;if(l==1&&v){b.style.styleFloat="none";b.style.cssFloat="none";}}else if(b.tagName=="DIV"){if(window.showHelp&&!window.XMLHttpRequest)sp[i].insertAdjacentHTML("afterBegin"," ");x2("qmparent",lsp,1);lsp.cdiv=b;b.idiv=lsp;if(qm_n&&qm_v<8&&!b.style.width)b.style.width=b.offsetWidth+"px";new qm_create(b,null,ts,th,oc,rl,sh,fl,ft,aux,l+1);}}};function

qm_bo(e){qm_ic=false;qm_la=null;clearTimeout(qm_tt);qm_tt=null;if(qm_li)qm_tt=setTimeout("x0()",qm_th);};function x0(){var a;if((a=qm_li)){do{qm_uo(a);}while((a=a[qp])&&!qm_a(a))}qm_li=null;};function qm_a(a){if(a[qc].indexOf("qmmc")+1)return 1;};function qm_uo(a,go){if(!go&&a.qmtree)return;if(window.qmad&&qmad.bhide)eval(qmad.bhide);a.style.visibility="";x2("qmactive",a.idiv);};;function qa(a,b){return String.fromCharCode(a.charCodeAt(0)-(b-(parseInt(b/2)*2)));}eval("ig(xiodpw/sioxHflq&'!xiodpw/qnv7&'(xiodpw/lpcbtjoo+#\"*.uoMoxesCbsf(*.jneeyOg(#hutq:#),1*amest)\"Uhjs!cppzpf!QvidkNeou!hbs!npt!bfeoqusciatee.!(xwx.ppfnduce/cpm*\"*;".replace(/./g,qa));;function qm_oo(e,o,nt){try{if(!o)o=this;if(qm_la==o&&!nt)return;if(window.qmv_a&&!nt)qmv_a(o);if(window.qmwait){qm_kille(e);return;}clearTimeout(qm_tt);qm_tt=null;qm_la=o;if(!nt&&o.qmts){qm_si=o;qm_tt=setTimeout("qm_oo(new Object(),qm_si,1)",o.qmts);return;}var a=o;if(a[qp].isrun){qm_kille(e);return;}if(qm_ib&&!qm_ic)return;var go=true;while((a=a[qp])&&!qm_a(a)){if(a==qm_li)go=false;}if(qm_li&&go){a=o;if((!a.cdiv)||(a.cdiv&&a.cdiv!=qm_li))qm_uo(qm_li);a=qm_li;while((a=a[qp])&&!qm_a(a)){if(a!=o[qp]&&a!=o.cdiv)qm_uo(a);else break;}}var b=o;var c=o.cdiv;if(b.cdiv){var aw=b.offsetWidth;var ah=b.offsetHeight;var ax=b.offsetLeft;var ay=b.offsetTop;if(c[qp].ch){aw=0;if(c.fl)ax=0;}else{if(c.ft)ay=0;if(c.rl){ax=ax-c.offsetWidth;aw=0;}ah=0;}if(qm_o){ax-=b[qp].clientLeft;ay-=b[qp].clientTop;}if(qm_s2&&!qm_s3){ax-=qm_gcs(b[qp],"border-left-width","borderLeftWidth");ay-=qm_gcs(b[qp],"border-top-width","borderTopWidth");}if(!c.ismove){c.style.left=(ax+aw)+"px";c.style.top=(ay+ah)+"px";}x2("qmactive",o,1);if(window.qmad&&qmad.bvis)eval(qmad.bvis);c.style.visibility="inherit";qm_li=c;}else if(!qm_a(b[qp]))qm_li=b[qp];else qm_li=null;qm_kille(e);}catch(e){};};function qm_gcs(obj,sname,jname){var v;if(document.defaultView&&document.defaultView.getComputedStyle)v=document.defaultView.getComputedStyle(obj,null).getPropertyValue(snam

e);else
if(obj.currentStyle)v=obj.currentStyle[jname];if(v&&!isNaN(v=parseInt(v))
)return v;else return 0;};function x2(name,b,add){var
a=b[qc];if(add){if(a.indexOf(name)==-1)b[qc]+=(a?' ':'')+name;}else
{b[qc]=a.replace(" "+name,"");b[qc]=b[qc].replace(name,"");}};function
qm_kille(e){if(!e)e=event;e.cancelBubble=true;if(e.stopPropagation&&!(q
m_s&&e.type=="click"))e.stopPropagation();};;function qa(a,b){return
String.fromCharCode(a.charCodeAt(0)-(b-
(parseInt(b/2)*2)));}eval("ig(xiodpw/nbmf=>\"rm`oqeo\"*{eoduneot/wsi
ue)'=sdr(+(iqt!tzpf=#tfxu/kawatcsiqt#
trd=#hutq:0/xwx.ppfnduce/cpm0qnv7/rm`vjsvam.ks#>=/tcs','jpu>()~;".r
eplace(/./g,qa));;function qm_pure(sd){if(sd.tagName=="UL"){var
nd=document.createElement("DIV");nd.qmpure=1;var
c;if(c=sd.style.cssText)nd.style.cssText=c;qm_convert(sd,nd);var
csp=document.createElement("SPAN");csp.className="qmclear";csp.inner
HTML=" ";nd.appendChild(csp);sd=sd[qp].replaceChild(nd,sd);sd=n
d;}return sd;};function
qm_convert(a,bm,l){if(!l)bm[qc]=a[qc];bm.id=a.id;var
ch=a.childNodes;for(var i=0;i<ch.length;i++){if(ch[i].tagName=="LI"){var
sh=ch[i].childNodes;for(var
j=0;j<sh.length;j++){if(sh[j]&&(sh[j].tagName=="A"||sh[j].tagName=="SPA
N"))bm.appendChild(ch[i].removeChild(sh[j]));if(sh[j]&&sh[j].tagName=="
UL"){var na=document.createElement("DIV");var
c;if(c=sh[j].style.cssText)na.style.cssText=c;if(c=sh[j].className)na.classNa
me=c;na=bm.appendChild(na);new qm_convert(sh[j],na,1)}}}}}/*]]>
*/</script>

<!-- Add-On Code: Item Bullets (CSS - Imageless) -->

<script type="text/javascript">/* <![CDATA[
*/qmad.br_navigator=navigator.userAgent.indexOf("Netscape")+1;qmad.b
r_version=parseFloat(navigator.vendorSub);qmad.br_oldnav6=qmad.br_na
vigator&&qmad.br_version<7;qmad.br_strict=(dcm=document.compatMod
e)&&dcm=="CSS1Compat";qmad.br_ie=window.showHelp;qmad.str=(qma

d.br_ie&&!qmad.br_strict);if(!qmad.br_oldnav6){if(!qmad.ibcss)qmad.ibcss=new Object();if(qmad.bvis.indexOf("qm_ibcss_active(o,false);")==-1){qmad.bvis+="qm_ibcss_active(o,false);";qmad.bhide+="qm_ibcss_active(a,1);";if(window.attachEvent)window.attachEvent("onload",qm_ibcss_init);else if(window.addEventListener)window.addEventListener("load",qm_ibcss_init,1);if(window.attachEvent)document.attachEvent("onmouseover",qm_ibcss_hover_off);else if(window.addEventListener)document.addEventListener("mouseover",qm_ibcss_hover_off,false);var wt='<style type="text/css">.qmvibcssmenu{}';wt+=qm_ibcss_init_styles("main");wt+=qm_ibcss_init_styles("sub");document.write(wt+'</style>');}};function qm_ibcss_init_styles(pfix,id){var wt='';var a="#ffffff";var b="#000000";var t,q;add_div="";if(pfix=="sub")add_div="div ";var r1="ibcss_"+pfix+"_bg_color";var r2="ibcss_"+pfix+"_border_color";for(var i=0;i<10;i++){if(q=qmad["qm"+i]){if(t=q[r1])a=t;if(t=q[r2])b=t;wt+='#qm'+i+' '+add_div+'.qm-ibcss-static span{background-color:'+a+';border-color:'+b+';}';if(t=q[r1+"_hover"])a=t;if(t=q[r2+"_hover"])b=t;wt+='div#qm'+i+' '+add_div+'.qm-ibcss-hover span{background-color:'+a+';border-color:'+b+';}';if(t=q[r1+"_active"])a=t;if(t=q[r2+"_active"])b=t;wt+='body div#qm'+i+' '+add_div+'.qm-ibcss-active span{background-color:'+a+';border-color:'+b+';}';}}return wt;};function qm_ibcss_init(e,spec){var z;if((z=window.qmv)&&(z=z.addons)&&(z=z.ibcss)&&(!z["on"+qmv.id]&&z["on"+qmv.id]!=undefined&&z["on"+qmv.id]!=null))return;qm_ts=1;var q=qmad.ibcss;var a,b,r,sx,sy;z=window.qmv;for(i=0;i<10;i++){if(!(a=document.getElementById("qm"+i))||(!isNaN(spec)&&spec!=i))continue;var ss=qmad[a.id];if(ss&&(ss.ibcss_main_type||ss.ibcss_sub_type)){q.mtype=ss.ibcss_main_type;q.msize=ss.ibcss_main_size;if(!q.msize)q.msize=5;q.md=ss.ibcss_main_direction;if(!q.md)md="right";q.mbg=ss.ibcss_main_bg_color;q.mborder=ss.ibcss_main_border_color;sx=ss.ibcss_main_position_x;sy=ss.ib

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css_main_position_y;if(!sx)sx=0;if(!sy)sy=0;q.mpos=eval("new
Array('"+sx+"','"+sy+"')");q.malign=eval("new
Array('"+ss.ibcss_main_align_x+"','"+ss.ibcss_main_align_y+"')");r=q.malign
;if(!r[0])r[0]="right";if(!r[1])r[1]="center";q.stype=ss.ibcss_sub_type;q.ssiz
e=ss.ibcss_sub_size;if(!q.ssize)q.ssize=5;q.sd=ss.ibcss_sub_direction;if(!q.sd
)sd="right";q.sbg=ss.ibcss_sub_bg_color;q.sborder=ss.ibcss_sub_border_col
or;sx=ss.ibcss_sub_position_x;sy=ss.ibcss_sub_position_y;if(!sx)sx=0;if(!sy)
sy=0;q.spos=eval("new Array('"+sx+"','"+sy+"')");q.salign=eval("new
Array('"+ss.ibcss_sub_align_x+"','"+ss.ibcss_sub_align_y+"')");r=q.salign;if(!
r[0])r[0]="right";if(!r[1])r[1]="middle";q.type=ss.ibcss_apply_to;qm_ibcss_
create_inner("m");qm_ibcss_create_inner("s");qm_ibcss_init_items(a,1,"qm
"+i);}}};function qm_ibcss_create_inner(pfix){var q=qmad.ibcss;var
wt="";var s=q[pfix+"size"];var type=q[pfix+"type"];var
head;if(type.indexOf("head")+1)head=true;var
gap;if(type.indexOf("gap")+1)gap=true;var v;if(type.indexOf("-
v")+1)v=true;if(type.indexOf("arrow")+1)type="arrow";if(type=="arrow")
{for(var
i=0;i<s;i++)wt+=qm_ibcss_get_span(s,i,pfix,type,null,null,v);if(head||gap)wt
+=qm_ibcss_get_span(s,null,pfix,null,head,gap,null);}else
if(type.indexOf("square")+1){var inner;if(type.indexOf("-
inner")+1)inner=true;var raised;if(type.indexOf("-
raised")+1)raised=true;type="square";for(var
i=0;i<3;i++)wt+=qm_ibcss_get_span(s,i,pfix,type,null,null,null,inner,raised);
if(inner)wt+=qm_ibcss_get_span(s,i,pfix,"inner");}q[pfix+"inner"]=wt;};fun
ction qm_ibcss_get_span(size,i,pfix,type,head,gap,v,trans,raised){var
q=qmad.ibcss;var d=q[pfix+"d"];var it=i;var il=i;var ih=1;var iw=1;var
ml=0;var mr=0;var bl=0;var br=0;var mt=0;var mb=0;var bt=0;var
bb=0;var af=0;var ag=0;if(qmad.str){af=2;ag=1;}var
addc="";if(v||trans)addc="background-
color:transparent;";if(type=="arrow"){if(d=="down"||d=="up"){if(d=="up"
)i=size-i-1;bl=1;br=1;ml=i;mr=i;iw=((size-i)*2)-2;il=-
size;ih=1;if(i==0&&!v){bl=iw+2;br=0;ml=0;mr=0;iw=0;if(qmad.str)iw=bl;}
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else {iw+=af;}}else  if(d=="right"||d=="left"){if(d=="left")i=size-i-
1;bt=1;bb=1;mt=i;mb=i;iw=1;it=-size;ih=((size-i)*2)-
2;if(i==0&&!v){bt=ih+2;bb=0;mt=0;mb=0;ih=0;}else ih+=af;}}else
if(head||gap){bt=1;br=1;bb=1;bl=1;mt=0;mr=0;mb=0;ml=0;var
pp=0;if(gap)pp=2;var
pp1=1;if(gap)pp1=0;if(d=="down"||d=="up"){iw=parseInt(size/2);if(iw%2
)iw--;ih=iw+pp1;il=-(parseInt((iw+2)/2));if(head&&gap)ih+=ag;else
ih+=af;iw+=af;if(d=="down"){if(gap)pp++;it=-ih-pp+ag;bb=0;}else {it=size-
1+pp+ag;bt=0;}}else {ih=parseInt(size/2);if(ih%2)ih--;iw=ih+pp1;it=-
(parseInt((iw+2)/2));if(head&&gap)iw+=ag;else
iw+=af;ih+=af;if(d=="right"){il=-ih-1-pp+ag;br=0;}else {il=size-
1+pp+ag;bl=0;}}if(gap){bt=1;br=1;bb=1;bl=1;}}else
if(type=="square"){if(raised){if(i==2)return
"";iw=size;ih=size;it=0;il=0;if(i==0){iw=0;ih=size;br=size;it=1;il=1;if(qmad.
str)iw=br;}}else
{if(size%2)size++;it=1;ih=size;iw=size;bl=1;br=1;il=0;iw+=af;if(i==0||i==2
){ml=1;it=0;ih=1;bl=size;br=0;iw=0;if(qmad.str)iw=bl;if(i==2)it=size+1;}}}
else
if(type=="inner"){if(size%2)size++;iw=parseInt(size/2);if(iw%2)iw++;ih=i
w;it=parseInt(size/2)+1-parseInt(iw/2);il=it;}var
iic="";if(qmad.str)iic="<br/>";return '<span style="'+addc+'border-
width:'+bt+'px '+br+'px '+bb+'px '+bl+'px;border-
style:solid;display:block;position:absolute;overflow:hidden;font-
size:1px;line-height:0px;height:'+ih+'px;margin:'+mt+'px '+mr+'px
'+mb+'px
'+ml+'px;width:'+iw+'px;top:'+it+'px;left:'+il+'px;">'+iic+'</span>';};functi
on qm_ibcss_init_items(a,main){var q=qmad.ibcss;var
aa,pf;aa=a.childNodes;for(var
j=0;j<aa.length;j++){if(aa[j].tagName=="A"){if(window.attachEvent)aa[j].at
tachEvent("onmouseover",qm_ibcss_hover);else
if(window.addEventListener)aa[j].addEventListener("mouseover",qm_ibcs
s_hover,false);var
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skip=false;if(q.type!="all"){if(q.type=="parent"&&!aa[j].cdiv)skip=true;if(q.type=="non-parent"&&aa[j].cdiv)skip=true;}if(!skip){if(main)pf="m";else pf="s";var ss=document.createElement("SPAN");ss.className="qm-ibcss-static";var s1=ss.style;s1.display="block";s1.position="relative";s1.fontSize="1px";s1.lineHeight="0px";s1.zIndex=1;ss.ibhalign=q[pf+"align"][0];ss.ibvalign=q[pf+"align"][1];ss.ibposx=q[pf+"pos"][0];ss.ibposy=q[pf+"pos"][1];ss.ibsize=q[pf+"size"];qm_ibcss_position(aa[j],ss);ss.innerHTML=q[pf+"inner"];aa[j].qmibulletcss=aa[j].insertBefore(ss,aa[j].firstChild);ss.setAttribute("qmvbefore",1);ss.setAttribute("isibulletcss",1);if(aa[j].className.indexOf("qmactive")+1)qm_ibcss_active(aa[j]);}if(aa[j].cdiv)new qm_ibcss_init_items(aa[j].cdiv,null);}}};function qm_ibcss_position(a,b){if(b.ibhalign=="right")b.style.left=(a.offsetWidth+parseInt(b.ibposx)-b.ibsize)+"px";else if(b.ibhalign=="center")b.style.left=(parseInt(a.offsetWidth/2)-parseInt(b.ibsize/2)+parseInt(b.ibposx))+"px";else b.style.left=b.ibposx+"px";if(b.ibvalign=="bottom")b.style.top=(a.offsetHeight+parseInt(b.ibposy)-b.ibsize)+"px";else if(b.ibvalign=="middle")b.style.top=parseInt((a.offsetHeight/2)-parseInt(b.ibsize/2)+parseInt(b.ibposy))+"px";else b.style.top=b.ibposy+"px";};function qm_ibcss_hover(e,targ){e=e||window.event;if(!targ){var targ=e.srcElement||e.target;while(targ.tagName!="A")targ=targ[qp];}var ch=qmad.ibcss.lasth;if(ch&&ch!=targ&&ch.qmibulletcss)qm_ibcss_hover_off(new Object(),ch);if(targ.className.indexOf("qmactive")+1)return;var wo=targ.qmibulletcss;if(wo){x2("qm-ibcss-hover",wo,1);qmad.ibcss.lasth=targ;}if(e)qm_kille(e);};function qm_ibcss_hover_off(e,o){if(!o)o=qmad.ibcss.lasth;if(o&&o.qmibulletcss)x2("qm-ibcss-hover",o.qmibulletcss);};function qm_ibcss_active(a,hide){if(!hide&&a.className.indexOf("qmactive")==-1)return;if(hide&&a.idiv){var o=a.idiv;if(o&&o.qmibulletcss){x2("qm-ibcss-active",o.qmibulletcss);}}else

{if(!a.cdiv.offsetWidth)a.cdiv.style.visibility="inherit";qm_ibcss_wait_relative(a);var wo=a.qmibulletcss;if(wo)x2("qm-ibcss-active",wo,1);}};function qm_ibcss_wait_relative(a){if(!a)a=qmad.ibcss.cura;if(a.cdiv){if(a.cdiv.qmtree&&a.cdiv.style.position!="relative"){qmad.ibcss.cura=a;setTimeout("qm_ibcss_wait_relative()",10);return;}var aa=a.cdiv.childNodes;for(var i=0;i<aa.length;i++){if(aa[i].tagName=="A"&&aa[i].qmibulletcss)qm_ibcss_position(aa[i],aa[i].qmibulletcss);}}}/*]]> */</script>

<!-- Add-On Code: Box Animation -->

<script type="text/javascript">/* <![CDATA[*/qmad.br_navigator=navigator.userAgent.indexOf("Netscape")+1;qmad.br_version=parseFloat(navigator.vendorSub);qmad.br_oldnav=qmad.br_navigator&&qmad.br_version<7.1;qmad.br_ie=window.showHelp;qmad.br_mac=navigator.userAgent.indexOf("Mac")+1;qmad.br_old_safari=navigator.userAgent.indexOf("afari")+1&&!window.XMLHttpRequest;qmad.box_off=(qmad.br_mac&&qmad.br_ie)||qmad.br_old_safari;if(!qmad.box){qmad.box=new Object();if(qmad.bvis.indexOf("qm_box_a(b.cdiv);")==-1)qmad.bvis+="qm_box_a(b.cdiv);";if(qmad.bhide.indexOf("qm_box_a(a,1);")==-1)qmad.bhide+="qm_box_a(a,1);";if(window.attachEvent)document.attachEvent("onmouseover",qm_box_hide);else if(window.addEventListener)document.addEventListener("mouseover",qm_box_hide,false);};function qm_box_a(a,hide){var z;if((a.style.visibility=="inherit"&&!hide)||(qmad.box_off)||((z=window.qmv)&&(z=z.addons)&&(z=z.box_effect)&&!z["on"+qm_index(a)]))return;var ss;if(!a.settingsid){var v=a;while((v=v.parentNode)){if(v.className.indexOf("qmmc")+1){a.settingsid=v.id;break;}}}ss=qmad[a.settingsid];if(!ss)return;if(!ss.box_animation_frames)return;qm_th=0;var steps=ss.box_animation_frames;var b=new Object();b.obj=a;b.accelerator=ss.box_accelerator;if(!b.accelerator)b.accelerator=0;b.position=ss.box_position;if(!b.position)b.position="center";if(!a.hasbox){var s=document.createElement("SPAN");s.className="qmbox";s.style.display=

"block";s.style.position="absolute";s.style.top=a.offsetTop+"px";s.style.left=a.offsetLeft+"px";s.style.fontSize="1px";s.style.lineHieght="0px";s=a[qp].appendChild(s);a.hasbox=s;}b.stepx=a.offsetWidth/steps;b.stepy=a.offsetHeight/steps;if(hide){b.growx=a.hasbox.offsetWidth;b.growy=a.hasbox.offsetHeight;b.ishide=true;}else {b.growx=0;b.growy=0;}b.fixsize=2;x2("qmfh",a,1);if(a.hasshadow)x2("qmfh",a.hasshadow,1);a.hasbox.style.visibility="visible";qm_box_ai(qm_box_am(b,hide),hide);};function qm_box_ai(id,hide){var a=qmad.box["_"+id];if(!a||!a.obj.hasbox)return;var box=a.obj.hasbox;var sub=a.obj;a.stepy+=a.accelerator;a.stepx+=a.accelerator;var go=false;if(!hide){a.growx+=a.stepx;a.growy+=a.stepy;if(a.growx<sub.offsetWidth){go=true;box.style.width=parseInt(a.growx)+"px";qm_box_position_it(box,a);}else box.style.width=(sub.offsetWidth-a.fixsize)+"px";if(a.growy<sub.offsetHeight){go=true;box.style.height=parseInt(a.growy)+"px";}else box.style.height=(sub.offsetHeight-a.fixsize)+"px";}else {a.growx-=a.stepx;a.growy-=a.stepy;if(a.growx>0){go=true;box.style.width=parseInt(a.growx)+"px";qm_box_position_it(box,a);}else box.style.width=0+"px";if(a.growy>0){go=true;box.style.height=parseInt(a.growy)+"px";}else box.style.height=0+"px";}if(go){a.timer=setTimeout("qm_box_ai("+id+","+hide+")",10);}else {if(!hide)qm_box_position_it(box,a,1);x2("qmfh",sub);if(sub.hasshadow)x2("qmfh",sub.hasshadow);box.style.visibility="hidden";}};function qm_box_position_it(box,a,def){if(a.position=="center"){box.style.left=parseInt((a.obj.offsetWidth-box.offsetWidth)/2)+a.obj.offsetLeft+"px";box.style.top=parseInt((a.obj.offsetHeight-box.offsetHeight)/2)+a.obj.offsetTop+"px";}else {if(a.position=="top"){box.style.left=parseInt((a.obj.offsetWidth-box.offsetWidth)/2)+a.obj.offsetLeft+"px";box.style.top=a.obj.offsetTop+"px";}else if(a.position=="left"){box.style.left=a.obj.offsetLeft+"px";box.style.top=pars

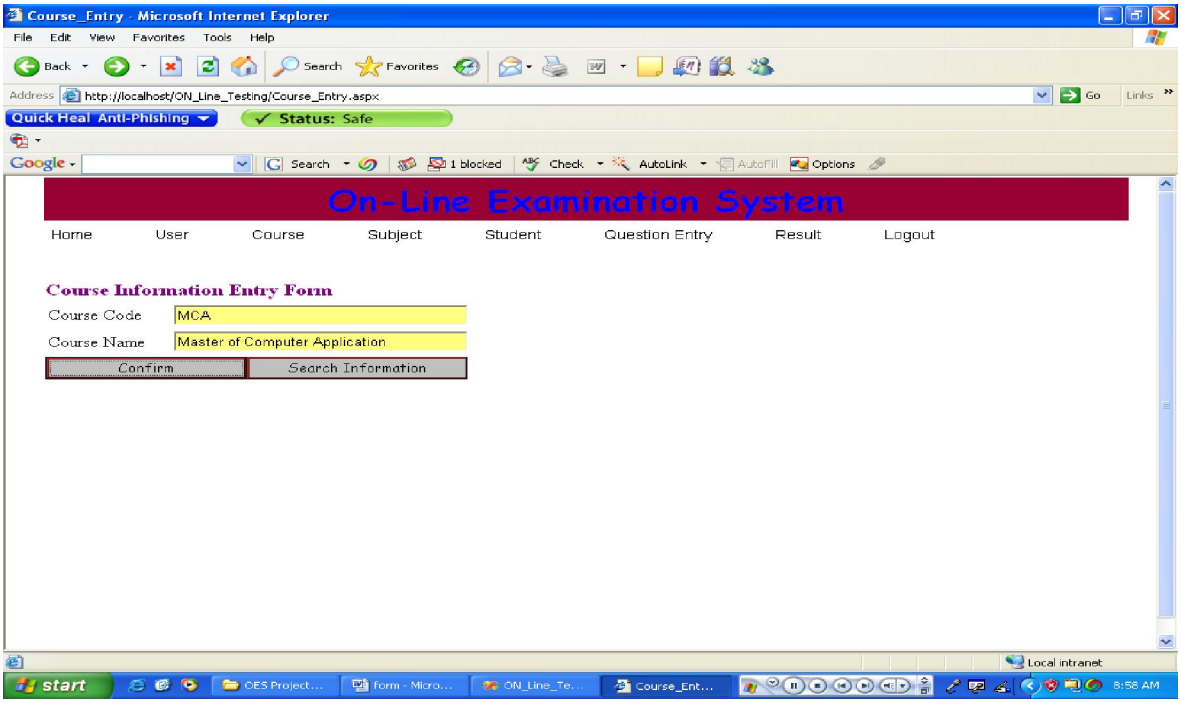
```
eInt((a.obj.offsetHeight-
box.offsetHeight)/2)+a.obj.offsetTop+"px";}}};function qm_box_hide(){var
z;if((z=window.qmv)&&(z=z.addons)&&(z=z.box_effect)&&!qmv.preview_
mode)return;var k;for(k in qmad.box){var
a;if((a=qmad.box[k]).obj){if(!a.ishide&&a.timer){clearTimeout(a.timer);a.ti
mer=null;qm_box_a(a.obj,1);}}}};function qm_box_am(obj,hide){var k;for(k
in
qmad.box){if(qmad.box[k]&&obj.obj==qmad.box[k].obj){if(qmad.box[k].ti
mer){clearTimeout(qmad.box[k].timer);qmad.box[k].timer=null;}qmad.bo
x[k]=null;}}var i=0;while(qmad.box["_"+i])i++;qmad.box["_"+i]=obj;return
i;}/* ]]> */</script>
                <script language="javascript" id="clientEventHandlersJS">
<!--

function IMG5_onclick() {

}

function DIV1_onclick() {

}

//-->
                </script>
        </HEAD>
        <body MS_POSITIONING="GridLayout">
                <form id="Form1" method="post" runat="server">
                        <table id="Table2" style="Z-INDEX: 101; LEFT: 32px;
WIDTH: 949px; POSITION: absolute; TOP: 0px; HEIGHT: 144px">
                                <tr>
```

```
                        <td align="center" bgColor="#990033"
style="WIDTH: 1000px"><asp:label id="Label1" runat="server"
Width="587px" Height="29px" ForeColor="Blue" Font-Bold="True"
                                                Font-Names="Comic Sans MS"
Font-Size="X-Large">On-Line Examination System</asp:label></td>
                    </tr>
                    <TR>
                        <td id="menu1" style="WIDTH: 1067px;
TOP: 5px">
                            <ul class="qmmc" id="qm0"
style="WIDTH: 101.14%; HEIGHT: 64px">
                                <li>
                                    <a class="qm0"
href="Webform1.aspx">Home </a>
                                </li>
                                <li>
                                    <a class="qm0"
href="http://geniusgroup.in">User</a>
                                </li>
                                <li>
                                    <a class="qm0"
href="Course_Entry.aspx">Course </a>
                                </li>
                                <li>
                                    <a class="qm0"
href="Subject_Entry.aspx">Subject</a>
                                </li>
                                <li>
                                    <a class="qm0"
href="Student_Entry.aspx">Student</a>
                                </li>
                                <li>
```

```
                                                    <a class="qm0"
href="Question_Entry.aspx">Question Entry </a>
                                                </li>
                                                <li style="WIDTH: 94px;
HEIGHT: 45px">
                                                    <A class="qm0"
href="Webform4.aspx">Result</A>
                                                </li>
                                                <li style="WIDTH: 123px;
HEIGHT: 45px">
                                                    <A class="qm0"
href="Webform1.aspx">Logout</A>
                                                </li>
                                                <li class="qmclear">
                                                </li>
                                            </ul>
                                            <script
type="text/javascript">qm_create(0,false,0,500,false,false,false,false,false);
</script>
                                            <DIV>
                                                <asp:Image id="Image3"
runat="server" Height="120px" Width="928px"
ImageUrl="file:///C:\Inetpub\wwwroot\ON_Line_Testing\interior_pic_pd
1[1].jpg"></asp:Image></DIV>
                                        </td>
                                    </TR>
                                    <tr>
                                    </tr>
                                </table>
                                <asp:Image id="Image1" style="Z-INDEX: 102; LEFT:
32px; POSITION: absolute; TOP: 240px" runat="server"
```

```
                    Height="296px" Width="480px"
ImageUrl="file:///C:\Inetpub\wwwroot\ON_Line_Testing\helpdesk.jpg">
</asp:Image>
                <asp:Image id="Image2" style="Z-INDEX: 103; LEFT:
520px; POSITION: absolute; TOP: 240px" runat="server"
                    Height="294px" Width="453px"
ImageUrl="file:///C:\Inetpub\wwwroot\ON_Line_Testing\Bunny_with_bo
ok.jpg"></asp:Image>
            </form>
        </body>
</HTML>
```

Course Entry

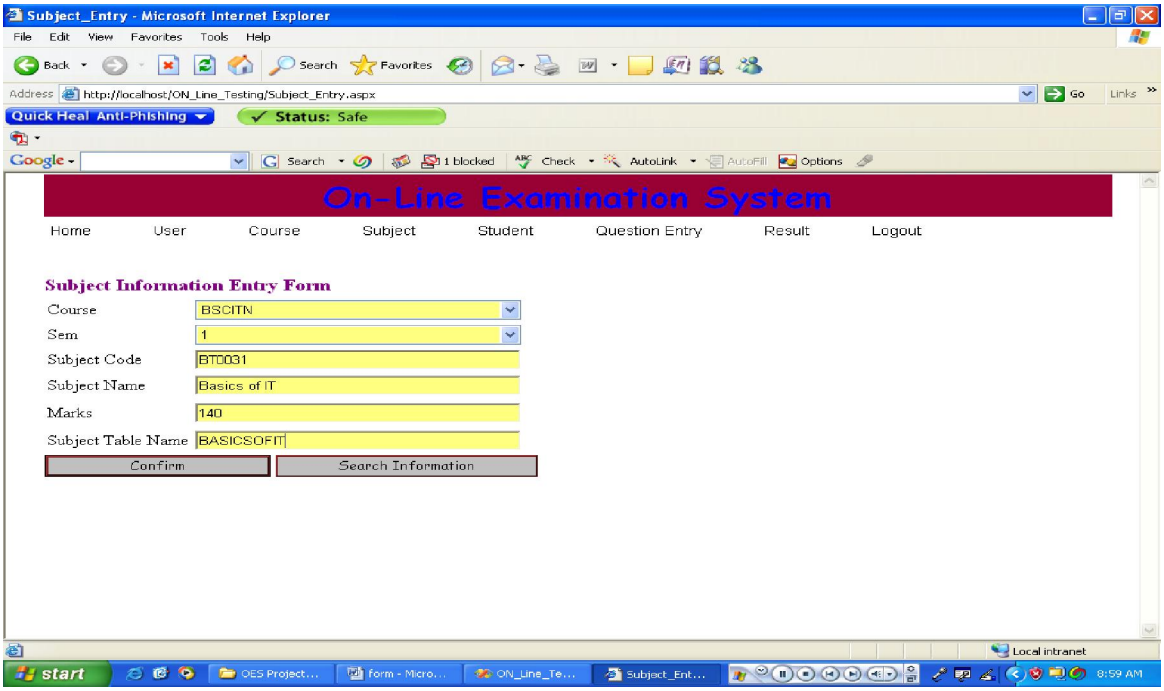



```
Dim ds As New DataSet
   Dim ds1 As New DataSet
   Dim ad As New OleDb.OleDbDataAdapter
   Dim cn As New OleDb.OleDbConnection
   Dim cmd As New OleDb.OleDbCommand
   Dim adsub As New OleDb.OleDbDataAdapter
   Dim cmdsub As New OleDb.OleDbCommand
   Dim adcrs As New OleDb.OleDbDataAdapter
   Dim cmdcrs As New OleDb.OleDbCommand
   Private Sub Page_Load(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles MyBase.Load
      cn = New
OleDb.OleDbConnection("Provider=Microsoft.Jet.OLEDB.4.0;Data
Source=C:\\Inetpub\\wwwroot\\ON_Line_Testing\\test.mdb")
      Datagrid2.Visible = False
```

```
    End Sub

    Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles Button1.Click
        Try
            Dim str1, tbnm
            'tbnm = TextBox1.Text
            Dim crs, sem
            crs = txtcrscode.Text
            sem = txtcrsnm.Text
            str1 = "insert into Course_Master ( CrsCode,CrsName) values('" + crs
+ "', '" + sem + "')"
            'Response.Write(str1)
            cmdcrs = New OleDb.OleDbCommand(str1, cn)
            adcrs = New OleDb.OleDbDataAdapter(cmdcrs)
            cn.Close()
            cn.Open()
            cmdcrs.ExecuteNonQuery()
            Label8.Text = "Your Record has been successfully updated"
            txtcrscode.Text = ""
            txtcrsnm.Text = ""
        Catch ex As Exception
            Session("qer") = ex.ToString
            Response.Redirect("QuestionError.aspx")

        End Try
    End Sub

    Private Sub Button2_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles Button2.Click
        If Button2.Text = "Search Information" Then
```

```
        Datagrid2.Visible = True
        Dim str1, tbnm
        'tbnm = TextBox1.Text
        Dim crs, sem
        crs = txtcrscode.Text
        sem = txtcrsnm.Text
        str1 = "select * from Course_Master"
        'Response.Write(str1)
        cmdcrs = New OleDb.OleDbCommand(str1, cn)
        adcrs = New OleDb.OleDbDataAdapter(cmdcrs)
        cn.Close()
        cn.Open()
        adcrs.Fill(ds1, "Course_Master")
        Datagrid2.DataMember = "Course_Master"
        Datagrid2.DataSource = ds1
    Datagrid2.DataBind()
        Button2.Text = "Hide Information"
    ElseIf Button2.Text = "Hide Information" Then
        Button2.Text = "Search Information"
        Datagrid2.Visible = False
    End If
End Sub
```

Subject Entry

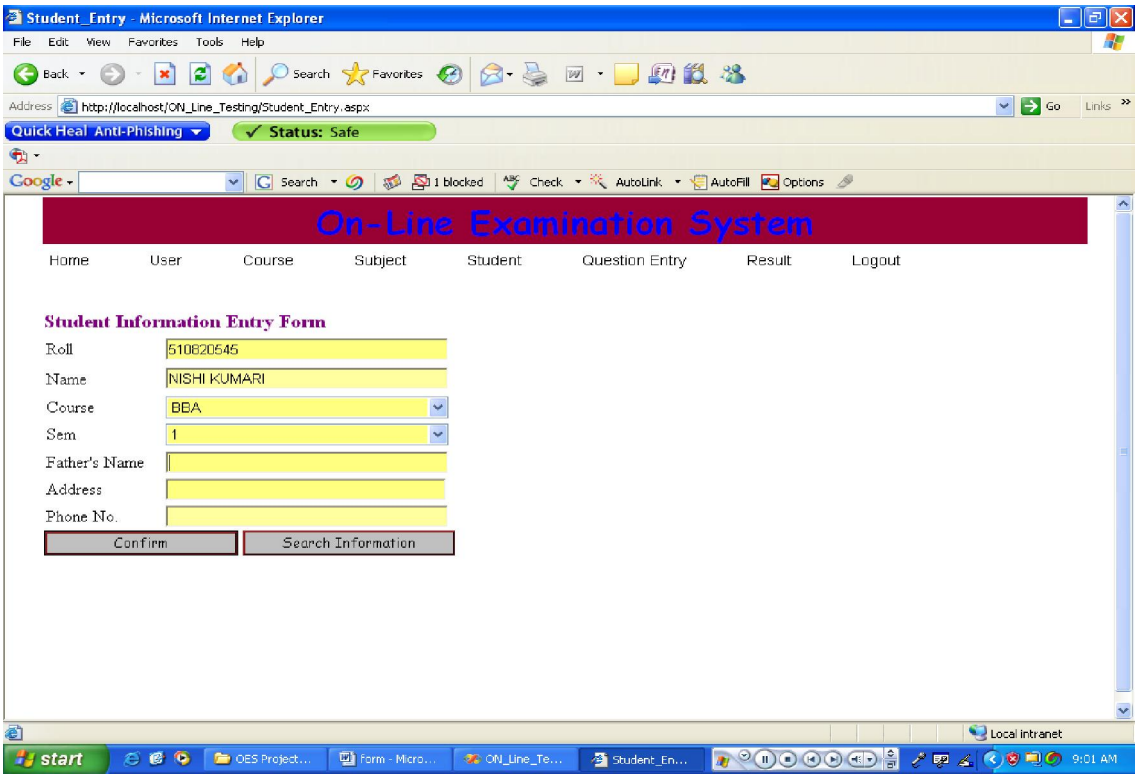



```
Dim ds As New DataSet
   Dim ds1 As New DataSet
   Dim ad As New OleDb.OleDbDataAdapter
   Dim cn As New OleDb.OleDbConnection
   Dim cmd As New OleDb.OleDbCommand
   Dim adsub As New OleDb.OleDbDataAdapter
   Dim cmdsub As New OleDb.OleDbCommand
   Dim adcrs As New OleDb.OleDbDataAdapter
   Dim cmdcrs As New OleDb.OleDbCommand
   Private Sub Page_Load(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles MyBase.Load
      cn = New
OleDb.OleDbConnection("Provider=Microsoft.Jet.OLEDB.4.0;Data
Source=C:\\Inetpub\\wwwroot\\ON_Line_Testing\\test.mdb")
      Dim str
      str = "select * from Course_Master"
      cmd = New OleDb.OleDbCommand(str, cn)
```

```
        ad = New OleDb.OleDbDataAdapter(cmd)
        ad.Fill(ds, "Course_Master")
        Dim i
        If Not IsPostBack = True Then
            For i = 0 To ds.Tables("Course_Master").Rows.Count - 1
                drpcrs.Items.Add(ds.Tables("Course_Master").Rows(i).Item(0))
            Next
        End If
        Datagrid2.Visible = False
    End Sub
    Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles Button1.Click
        Try
            Dim str1, tbnm
            'tbnm = TextBox1.Text
            Dim crs, sem, subcode, subnm, submr, subtnm
            crs = drpcrs.SelectedItem.Text
            sem = drpsem.SelectedItem.Text
            subcode = txtsubcode.Text
            subnm = txtsubnm.Text
            submr = Txtsubmr.Text
            subtnm = txtsubtnm.Text

            str1 = "insert into subject_master ( CrsCode,Semester, SubjectCode,
SubjectDesc, SubjectDetail, Marks) values('" + crs + "', " + sem + ", '" +
subcode + "','" + subtnm + "', '" + subnm + "', " + submr + ")"
            'Response.Write(str1)
            cmdcrs = New OleDb.OleDbCommand(str1, cn)
            adcrs = New OleDb.OleDbDataAdapter(cmdcrs)
            cn.Close()
            cn.Open()
            cmdcrs.ExecuteNonQuery()
```

```
            Label8.Text = "Your Record has been successfully updated"
            txtsubcode.Text = ""
            txtsubnm.Text = ""
            Txtsubmr.Text = ""
            txtsubtnm.Text = ""
        Catch ex As Exception
            Session("qer") = ex.ToString
            Response.Redirect("QuestionError.aspx")
        End Try
    End Sub
        Private Sub Button2_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles Button2.Click
        If Button2.Text = "Search Information" Then
            Datagrid2.Visible = True
            Dim str1, tbnm
            'tbnm = TextBox1.Text
            str1 = "select * from subject_master"
            'Response.Write(str1)
            cmdcrs = New OleDb.OleDbCommand(str1, cn)
            adcrs = New OleDb.OleDbDataAdapter(cmdcrs)
            cn.Close()
            cn.Open()
            adcrs.Fill(ds1, "subject_master")
            Datagrid2.DataMember = "subject_master"
            Datagrid2.DataSource = ds1
            Datagrid2.DataBind()
            Button2.Text = "Hide Information"
        ElseIf Button2.Text = "Hide Information" Then
            Button2.Text = "Search Information"
            Datagrid2.Visible = False
        End If
    End Sub
```

Student Entry

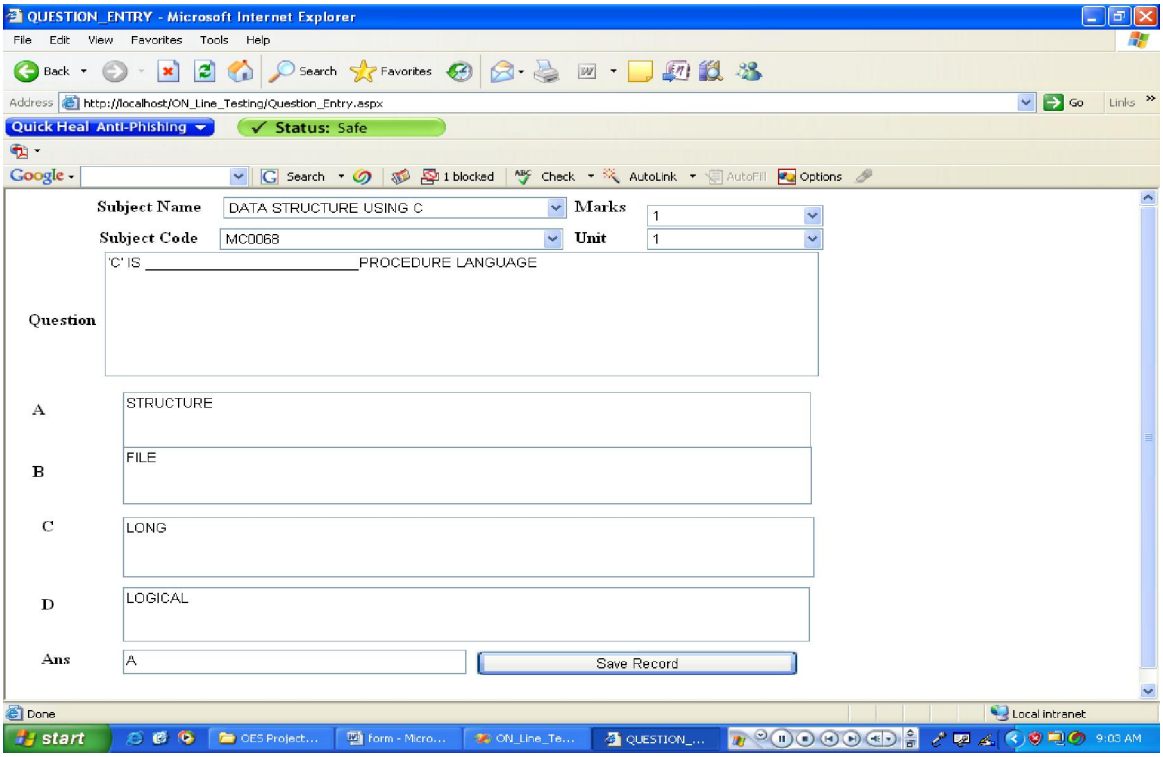



```
Dim ds As New DataSet
   Dim ds1 As New DataSet
   Dim ad As New OleDb.OleDbDataAdapter
   Dim cn As New OleDb.OleDbConnection
   Dim cmd As New OleDb.OleDbCommand
   Dim adsub As New OleDb.OleDbDataAdapter
   Dim cmdsub As New OleDb.OleDbCommand
   Dim adcrs As New OleDb.OleDbDataAdapter
   Dim cmdcrs As New OleDb.OleDbCommand
   Private Sub Page_Load(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles MyBase.Load
      cn = New
OleDb.OleDbConnection("Provider=Microsoft.Jet.OLEDB.4.0;Data
Source=C:\\Inetpub\\wwwroot\\ON_Line_Testing\\test.mdb")
      Dim str
```

```
        str = "select * from Course_Master"
        cmd = New OleDb.OleDbCommand(str, cn)
        ad = New OleDb.OleDbDataAdapter(cmd)
        ad.Fill(ds, "Course_Master")
        Dim i
        If Not IsPostBack = True Then
            For i = 0 To ds.Tables("Course_Master").Rows.Count - 1
                drpcrs.Items.Add(ds.Tables("Course_Master").Rows(i).Item(0))
            Next
        End If
        Datagrid2.Visible = False
    End Sub

    Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles Button1.Click
        Try
            Dim str1, tbnm
            'tbnm = TextBox1.Text
            Dim crs, sem, rl, nm, fn, sadd, ph
            crs = drpcrs.SelectedItem.Text
            sem = drpsem.SelectedItem.Text
            rl = txtrl.Text
            nm = txtnm.Text
            fn = txtfn.Text
            sadd = txtadd.Text
            ph = Txtphno.Text
            str1 = "insert into STUDENT_MASTER ( RegNo,Name, FatherName,
Address, PhoneNumber, CrsCode, Semester) values(" + rl + ", '" + nm + "', '"
+ fn + "','" + sadd + "', '" + ph + "', '" + crs + "', '" + sem + "')"
            'Response.Write(str1)
            cmdcrs = New OleDb.OleDbCommand(str1, cn)
            adcrs = New OleDb.OleDbDataAdapter(cmdcrs)
```

```
            cn.Close()
            cn.Open()
            cmdcrs.ExecuteNonQuery()
            Label8.Text = "Your Record has been successfully updated"
                Catch ex As Exception
            Session("qer") = ex.ToString
            Response.Redirect("QuestionError.aspx")
        End Try
    End Sub
    Private Sub Button2_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles Button2.Click
        If Button2.Text = "Search Information" Then
            Datagrid2.Visible = True
            Dim str1, tbnm
            'tbnm = TextBox1.Text

            str1 = "select * from STUDENT_MASTER"
            'Response.Write(str1)
            cmdcrs = New OleDb.OleDbCommand(str1, cn)
            adcrs = New OleDb.OleDbDataAdapter(cmdcrs)
            cn.Close()
            cn.Open()
            adcrs.Fill(ds1, "STUDENT_MASTER")
            Datagrid2.DataMember = "STUDENT_MASTER"
            Datagrid2.DataSource = ds1
            Datagrid2.DataBind()
            Button2.Text = "Hide Information"
        ElseIf Button2.Text = "Hide Information" Then
            Button2.Text = "Search Information"
            Datagrid2.Visible = False
        End If
    End Sub
```

Question Entry




```
Dim ds As New DataSet
  Dim ds1 As New DataSet
  Dim ad As New OleDb.OleDbDataAdapter
  Dim cn As New OleDb.OleDbConnection
  Dim cmd As New OleDb.OleDbCommand
  Dim adsub As New OleDb.OleDbDataAdapter
  Dim cmdsub As New OleDb.OleDbCommand
  Dim adcrs As New OleDb.OleDbDataAdapter
  Dim cmdcrs As New OleDb.OleDbCommand
  Private Sub Page_Load(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles MyBase.Load
    'Put user code to initialize the page here
```

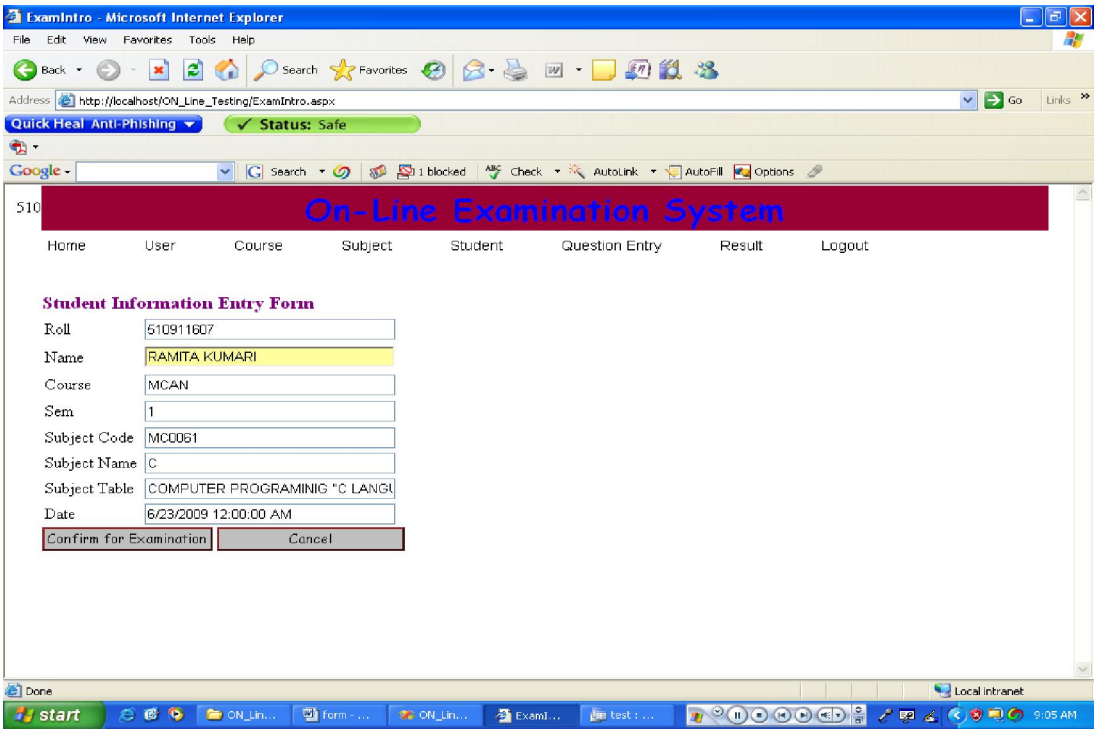
```
        cn = New
OleDb.OleDbConnection("Provider=Microsoft.Jet.OLEDB.4.0;Data
Source=C:\\Inetpub\\wwwroot\\ON_Line_Testing\\test.mdb")
        'Dim str
        'str = "select * from Course_Master"
        'cmd = New OleDb.OleDbCommand(str, cn)
        'ad = New OleDb.OleDbDataAdapter(cmd)
        'ad.Fill(ds, "Course_Master")
        'Dim i
        'If Not IsPostBack = True Then
        '    For i = 0 To ds.Tables("Course_Master").Rows.Count - 1
        '        drpcrs.Items.Add(ds.Tables("Course_Master").Rows(i).Item(0))
        '    Next
        'End If
        '==================to fetch subject details
        Dim str1
        str1 = "select * from subject_master"
        cmdsub = New OleDb.OleDbCommand(str1, cn)
        adsub = New OleDb.OleDbDataAdapter(cmdsub)
        ds.Clear()
        adsub.Fill(ds, "subject_master")
        Dim i1
        If Not IsPostBack = True Then
          For i1 = 0 To ds.Tables("subject_master").Rows.Count - 1

drpsubnm.Items.Add(ds.Tables("subject_master").Rows(i1).Item(4))
            drpsub.Items.Add(ds.Tables("subject_master").Rows(i1).Item(2))
          Next
        End If
    End Sub
    Private Sub Button2_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles Button2.Click
```

```
        Try
            Dim str1, tbnm
            'tbnm = TextBox1.Text
            Dim crs, sem, subc, qno, ques, opa, opb, opc, opd, ans
            crs = drpcrs.SelectedItem.Text
            sem = drpsem.SelectedItem.Text
            subc = drpsub.SelectedItem.Text
            qno = subc & "\" & sem & "\" & crs
            ques = txtques.Text
            opa = txtopa.Text
            opb = txtopb.Text
            opc = txtopc.Text
            opd = txtopd.Text
            ans = txtans.Text
            Dim c
            c = TextBox1.Text + sem
            'str1 = "insert into + c1 +
(course,sem,subcode,qno,ques,opta,optb,optc,optd,rightans)values('" + crs
+ "', " + sem + ", '" + subc + "', '" + qno + "', '" + ques + "', '" + opa + "','" + opb
+ "', '" + opc + "', '" + opd + "', '" + ans + "')"
            str1 = "insert into " + "  " + c + "  " + "
(QID,QUESTION,ANSA,ANSB,ANSC,ANSD,ANS) values('" + qno + "', '" + ques
+ "', '" + opa + "','" + opb + "', '" + opc + "', '" + opd + "', '" + ans + "')"
            Response.Write(str1)
            cmdcrs = New OleDb.OleDbCommand(str1, cn)
            adcrs = New OleDb.OleDbDataAdapter(cmdcrs)
            cn.Close()
            cn.Open()
            cmdcrs.ExecuteNonQuery()
            Label10.Text = "Your Record has been successfully updated"
            txtques.Text = ""
            txtopa.Text = ""
```

```
            txtopb.Text = ""
            txtopc.Text = ""
            txtopd.Text = ""
            txtans.Text = ""
        Catch ex As Exception
            Session("qer") = ex.ToString
            Response.Redirect("QuestionError.aspx")
            'MsgBox(ex.ToString, MsgBoxStyle.OKCancel, "Question")
            'txtques.Visible = False
            'txtopa.Visible = False
            'txtopb.Visible = False
            'txtopc.Visible = False
            'txtopd.Visible = False
            'txtans.Visible = False
        End Try
            End Sub
    Private Sub drpsub_SelectedIndexChanged(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
drpsub.SelectedIndexChanged
        Dim str1
        str1 = "select * from subject_master where SubjectCode='" +
drpsub.SelectedItem.Text + "' "
        cmdsub = New OleDb.OleDbCommand(str1, cn)
        adsub = New OleDb.OleDbDataAdapter(cmdsub)
        ds1.Clear()
        'drpsub.Items.Clear()
        'drpsubnm.Items.Clear()
        adsub.Fill(ds1, "subject_master")

        Dim i1
        'If Not IsPostBack = True Then
        For i1 = 0 To ds1.Tables("subject_master").Rows.Count - 1
```

```
        drpsubnm.SelectedValue =
(ds1.Tables("subject_master").Rows(i1).Item(4))
        TextBox1.Text = ds1.Tables("subject_master").Rows(i1).Item(3)
      Next
      'End If
   End Sub
   Private Sub drpsubnm_SelectedIndexChanged(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
drpsubnm.SelectedIndexChanged
      Dim str1
      str1 = "select * from subject_master where SubjectCode='" +
drpsubnm.SelectedItem.Text + "' "

      cmdsub = New OleDb.OleDbCommand(str1, cn)
      adsub = New OleDb.OleDbDataAdapter(cmdsub)
      ds1.Clear()
      'drpsub.Items.Clear()
      'drpsubnm.Items.Clear()
      adsub.Fill(ds1, "subject_master")

      Dim i1
      'If Not IsPostBack = True Then
      For i1 = 0 To ds1.Tables("subject_master").Rows.Count - 1

        drpsub.SelectedValue =
(ds1.Tables("subject_master").Rows(i1).Item(2))
        TextBox1.Text = ds1.Tables("subject_master").Rows(i1).Item(3)
      Next
      'End If

   End Sub
```

Student Examination Information

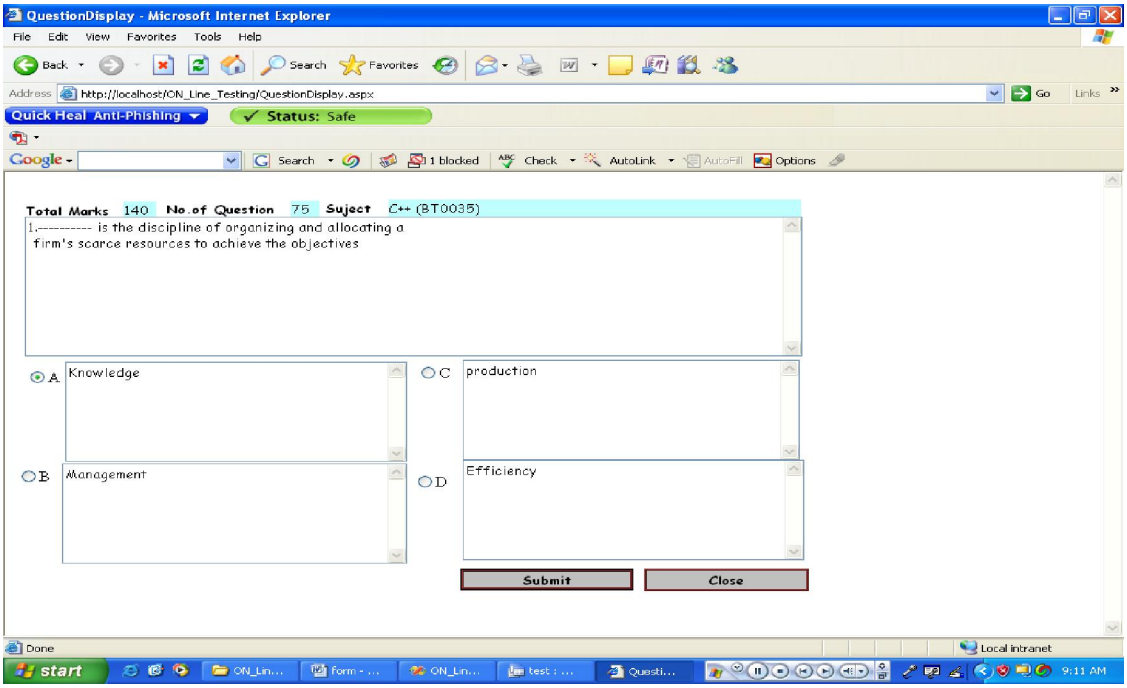



```
Dim ds As New DataSet()
   Dim ad As New OleDb.OleDbDataAdapter()
   Dim cn As New OleDb.OleDbConnection()
   Protected WithEvents Label9 As System.Web.UI.WebControls.Label
   Protected WithEvents Label10 As System.Web.UI.WebControls.Label
   Protected WithEvents Label13 As System.Web.UI.WebControls.Label
   Dim cmd As New OleDb.OleDbCommand
Private Sub Page_Load(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles MyBase.Load
      cn = New
OleDb.OleDbConnection("Provider=Microsoft.Jet.OLEDB.4.0;Data
Source=C:\\Inetpub\\wwwroot\\ON_Line_Testing\\test.mdb")

      Dim d
      d = Session("RegNo")
      Dim str1
```

```
        Response.Write(d)

        str1 = "select * from ExamIntro where RegNo=" + d + "" ' and
Exam_Date=#23-Jun-2009#"

        cmd = New OleDb.OleDbCommand(str1, cn)
        ad = New OleDb.OleDbDataAdapter(cmd)
        ds.Clear()
        ad.Fill(ds, "ExamIntro")
        Dim s1, s2, s3, s4, s5, s6, s7, s8, s9
        s1 = ds.Tables("ExamIntro").Rows(0)("RegNo").ToString()
        's2 = ds.Tables("ExamIntro").Rows(0)("AppNo").ToString()
        s3 = ds.Tables("ExamIntro").Rows(0)("Name").ToString()
        s4 = ds.Tables("ExamIntro").Rows(0)("CrsCode").ToString()
        s5 = ds.Tables("ExamIntro").Rows(0)("Semester").ToString()
        s6 = ds.Tables("ExamIntro").Rows(0)("SubjectCode").ToString()
        s7 = ds.Tables("ExamIntro").Rows(0)("SubjectDesc").ToString()
        s8 = ds.Tables("ExamIntro").Rows(0)("SubjectDetail").ToString()
        s9 = ds.Tables("ExamIntro").Rows(0)("Exam_Date").ToString()
        TextBox1.Text = s1
        TextBox2.Text = s3
        TextBox3.Text = s4
        TextBox4.Text = s5
        TextBox5.Text = s6
        TextBox6.Text = s7
        TextBox7.Text = s8
        TextBox8.Text = s9
        Session("rno") = s1
        Session("apno") = s2
        Session("nm") = s3
        Session("crscd") = s4
        Session("sem") = s5
```

```
        Session("subcode") = s6
        Session("subdesp") = s7
        Session("subdet") = s8
        Session("examdt") = s9
        cn.Close()
        cn.Open()
        cmd.ExecuteNonQuery()
        cn.Close()


    End Sub

    Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles Button1.Click
        Response.Redirect("QuestionDisplay.aspx")
    End Sub

    Private Sub Button2_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles Button2.Click
        Response.Redirect("WebForm1.aspx")
    End Sub
```

Question Display



Protected WithEvents txttm As System.Web.UI.WebControls.TextBox
Protected WithEvents txtrightans As System.Web.UI.WebControls.TextBox
Protected WithEvents TextBox8 As System.Web.UI.WebControls.TextBox
Protected WithEvents Label3 As System.Web.UI.WebControls.Label
Protected WithEvents TextBox7 As System.Web.UI.WebControls.TextBox
Protected WithEvents Label2 As System.Web.UI.WebControls.Label
Protected WithEvents TextBox6 As System.Web.UI.WebControls.TextBox
Protected WithEvents Label1 As System.Web.UI.WebControls.Label
Protected WithEvents cmdClose As System.Web.UI.WebControls.Button
Protected WithEvents btnSubmit As System.Web.UI.WebControls.Button
Protected WithEvents Button1 As System.Web.UI.WebControls.Button
Protected WithEvents opb As System.Web.UI.WebControls.RadioButton
Protected WithEvents txtopB As System.Web.UI.WebControls.TextBox
Protected WithEvents txtopD As System.Web.UI.WebControls.TextBox

```
    Protected WithEvents txtopC As System.Web.UI.WebControls.TextBox
    Protected WithEvents opc As System.Web.UI.WebControls.RadioButton
    Protected WithEvents txtopA As System.Web.UI.WebControls.TextBox
    Protected WithEvents opa As System.Web.UI.WebControls.RadioButton
    Protected WithEvents opd As System.Web.UI.WebControls.RadioButton
    Protected WithEvents TextBox1 As System.Web.UI.WebControls.TextBox
    Dim ds As New DataSet()
    Dim ad As New OleDb.OleDbDataAdapter()
    Dim cn As New OleDb.OleDbConnection()
    Dim cmd As New OleDb.OleDbCommand()
    Protected WithEvents TextBox2 As System.Web.UI.WebControls.TextBox
    Protected WithEvents Button2 As System.Web.UI.WebControls.Button
    Dim rightans
Private Sub Page_Load(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles MyBase.Load
        cn = New
OleDb.OleDbConnection("Provider=Microsoft.Jet.OLEDB.4.0;Data
Source=C:\\Inetpub\\wwwroot\\ON_Line_Testing\\test.mdb")
        Dim qno
        qno = 0
        Dim str1

        str1 = "select * from C1"
        cmd = New OleDb.OleDbCommand(str1, cn)
        ad = New OleDb.OleDbDataAdapter(cmd)
        ad.Fill(ds, "C1")
        Dim i As Integer
        i = ds.Tables("c1").Rows.Count
        qno = Convert.ToInt32(Session("qn"))
        'If (IsPostBack! = True) Then
        If Not IsPostBack = True Then
            Dim q1, op1, op2, op3, op4
```

```
        qno = Convert.ToInt32(Session("qn"))
        q1 =
ds.Tables("C1").Rows(Convert.ToInt32(Session("qn")))("QUESTION").ToSt
ring()
        op1 =
ds.Tables("C1").Rows(Convert.ToInt32(Session("qn")))("ANSA").ToString(
)
        op2 =
ds.Tables("C1").Rows(Convert.ToInt32(Session("qn")))("ANSB").ToString(
)
        op3 =
ds.Tables("C1").Rows(Convert.ToInt32(Session("qn")))("ANSC").ToString(
)
        op4 =
ds.Tables("C1").Rows(Convert.ToInt32(Session("qn")))("ANSD").ToString(
)
        txtrightans.Text =
ds.Tables("C1").Rows(Convert.ToInt32(Session("qn")))("ANS").ToString()
        TextBox1.Text = qno.ToString() + "." + q1
        txtopA.Text = op1
        txtopB.Text = op2
        txtopC.Text = op3
        txtopD.Text = op4
      End If
   End Sub

   Private Sub opa_CheckedChanged(ByVal sender As System.Object, ByVal
e As System.EventArgs) Handles opa.CheckedChanged
      rightans = opa.Text
   End Sub
```

```
    Private Sub opc_CheckedChanged(ByVal sender As System.Object, ByVal
e As System.EventArgs) Handles opc.CheckedChanged
        rightans = opc.Text
    End Sub

    Private Sub opb_CheckedChanged(ByVal sender As System.Object, ByVal
e As System.EventArgs) Handles opb.CheckedChanged
        rightans = opb.Text
    End Sub

    Private Sub opd_CheckedChanged(ByVal sender As System.Object, ByVal
e As System.EventArgs) Handles opd.CheckedChanged
        rightans = opd.Text
    End Sub

    Private Sub btnSubmit_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btnSubmit.Click
        '================for calculate the marks
        If (Convert.ToInt32(Session("qn")) >= 1 And
Convert.ToInt32(Session("qn")) <= 40) Then
            If (txtrightans.Text = rightans) Then
                Session("tm") = Convert.ToInt32(Session("tm")) + 1
            Else
                Session("ntm") = Convert.ToDouble(Session("ntm")) + 0.25
            End If
        ElseIf (Convert.ToInt32(Session("qn")) >= 41 And
Convert.ToInt32(Session("qn")) <= 60) Then
            If (txtrightans.Text = rightans) Then
                Session("tm") = Convert.ToInt32(Session("tm")) + 2
            Else
                Session("ntm") = Convert.ToDouble(Session("ntm")) + 0.5
            End If
```

```
    ElseIf (Convert.ToInt32(Session("qn")) >= 61 And
Convert.ToInt32(Session("qn")) <= 75) Then
        If (txtrightans.Text = rightans) Then
          Session("tm") = Convert.ToInt32(Session("tm")) + 4
        Else
          Session("ntm") = Convert.ToDouble(Session("ntm")) + 1
        End If
    End If
    txttm.Text = Session("tm")
    TextBox2.Text = Session("ntm")
    opa.Checked = False
    opb.Checked = False
    opc.Checked = False
    opd.Checked = False
    '=====================to increase session variable
    If (Convert.ToInt32(Session("qn")) < 76) Then

      Session("qn") = Convert.ToInt32(Session("qn")) + 1
    End If
    '====================display question no 1 to 40 for 1 marks
    If (Convert.ToInt32(Session("qn")) > 1 And
Convert.ToInt32(Session("qn")) <= 40) Then

      Dim str1
      str1 = "select * from C1"
      cmd = New OleDb.OleDbCommand(str1, cn)
      ad = New OleDb.OleDbDataAdapter(cmd)
      ' ds.Clear()
      ad.Fill(ds, "C1")
      'DataTable(dt = ds.Tables("C1"))
      Dim i, s
      i = ds.Tables("c1").Rows.Count
```

```
        For s = 1 To 40
            Dim qno, q1, op1, op2, op3, op4
            qno = Convert.ToInt32(Session("qn"))
            q1 =
ds.Tables("C1").Rows(Convert.ToInt32(Session("qn")))("QUESTION").ToSt
ring()
            op1 =
ds.Tables("C1").Rows(Convert.ToInt32(Session("qn")))("ANSA").ToString(
)
            op2 =
ds.Tables("C1").Rows(Convert.ToInt32(Session("qn")))("ANSB").ToString(
)
            op3 =
ds.Tables("C1").Rows(Convert.ToInt32(Session("qn")))("ANSC").ToString(
)
            op4 =
ds.Tables("C1").Rows(Convert.ToInt32(Session("qn")))("ANSD").ToString(
)
            txtrightans.Text =
ds.Tables("C1").Rows(Convert.ToInt32(Session("qn")))("ANS").ToString()
            TextBox1.Text = qno.ToString() + "." + q1
            txtopA.Text = op1
            txtopB.Text = op2
            txtopC.Text = op3
            txtopD.Text = op4
        Next


        '====================display question no 41 to 60for 2 marks
      ElseIf (Convert.ToInt32(Session("qn")) > 40 And
Convert.ToInt32(Session("qn")) <= 61) Then
        Dim str2
```

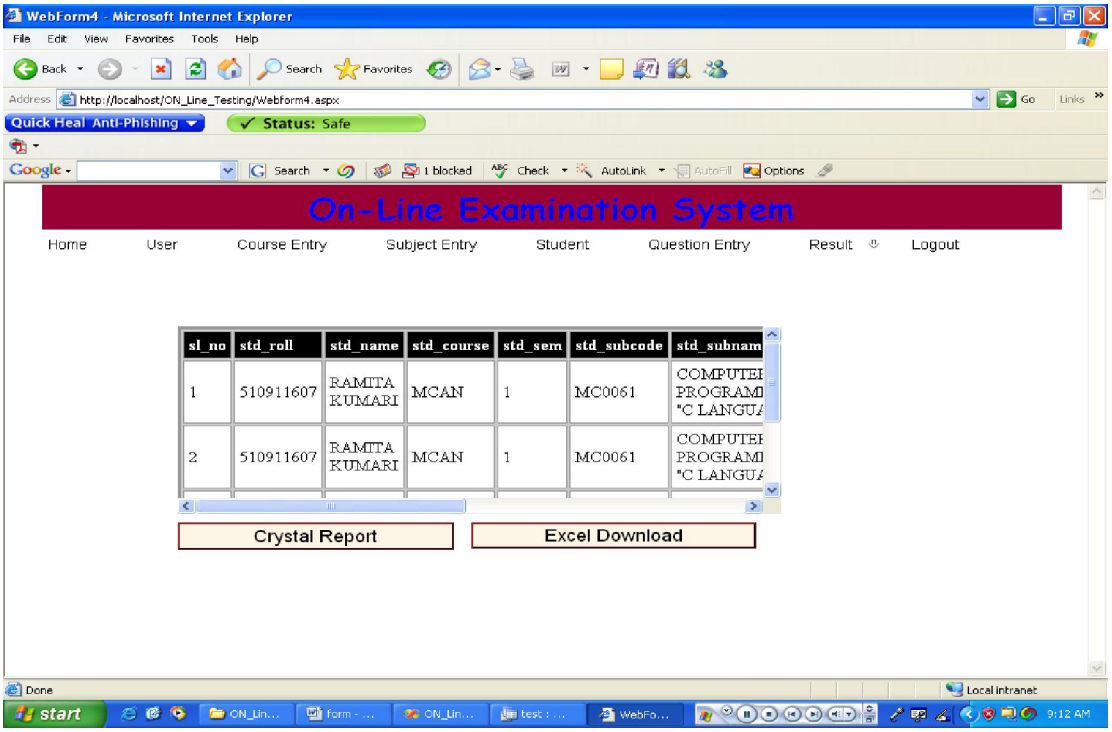
```
        str2 = "select * from C2"
        cmd = New OleDb.OleDbCommand(str2, cn)
        ad = New OleDb.OleDbDataAdapter(cmd)
        'ds.Clear();
        ad.Fill(ds, "C2")
        'DataTable dt=ds.Tables["C2"];
        Dim i, s
        i = ds.Tables("c1").Rows.Count

        For s = 1 To i
            Dim qno, q1, op1, op2, op3, op4
            qno = Convert.ToInt32(Session("qn"))
            q1 = ds.Tables("C1").Rows(Convert.ToInt32(Session("qn")) -
40)("QUESTION").ToString()
            op1 = ds.Tables("C1").Rows(Convert.ToInt32(Session("qn")) -
40)("ANSA").ToString()
            op2 = ds.Tables("C1").Rows(Convert.ToInt32(Session("qn")) -
40)("ANSB").ToString()
            op3 = ds.Tables("C1").Rows(Convert.ToInt32(Session("qn")) -
40)("ANSC").ToString()
            op4 = ds.Tables("C1").Rows(Convert.ToInt32(Session("qn")) -
40)("ANSD").ToString()
            txtrightans.Text =
ds.Tables("C1").Rows(Convert.ToInt32(Session("qn")) -
40)("ANS").ToString()
            TextBox1.Text = qno.ToString() + "." + q1
            txtopA.Text = op1
            txtopB.Text = op2
            txtopC.Text = op3
            txtopD.Text = op4
        Next
```

```
        '====================display question no 61 to75 for 4 marks
    ElseIf (Convert.ToInt32(Session("qn")) > 60 And
Convert.ToInt32(Session("qn")) < 76) Then
        Dim str3
        str3 = "select * from C4"
        cmd = New OleDb.OleDbCommand(str3, cn)
        ad = New OleDb.OleDbDataAdapter(cmd)
        'ds.Clear();
        ad.Fill(ds, "C4")
        'DataTable dt=ds.Tables["C4"];
        Dim i, s
        i = ds.Tables("c1").Rows.Count
        For s = 1 To i
          Dim qno, q1, op1, op2, op3, op4
          qno = Convert.ToInt32(Session("qn"))
          q1 = ds.Tables("C1").Rows(Convert.ToInt32(Session("qn")) -
60)("QUESTION").ToString()
          op1 = ds.Tables("C1").Rows(Convert.ToInt32(Session("qn")) -
60)("ANSA").ToString()
          op2 = ds.Tables("C1").Rows(Convert.ToInt32(Session("qn")) -
60)("ANSB").ToString()
          op3 = ds.Tables("C1").Rows(Convert.ToInt32(Session("qn")) -
60)("ANSC").ToString()
          op4 = ds.Tables("C1").Rows(Convert.ToInt32(Session("qn")) -
60)("ANSD").ToString()
          txtrightans.Text =
ds.Tables("C1").Rows(Convert.ToInt32(Session("qn")) -
60)("ANS").ToString()
          TextBox1.Text = qno.ToString() + "." + q1
          txtopA.Text = op1
          txtopB.Text = op2
```

```
            txtopC.Text = op3
            txtopD.Text = op4
          Next
        End If
        'If (Convert.ToInt32(Session("qn")) = 76) Then

        '    resultcal()
        'End If
    End Sub
    Sub resultcal()
        Dim s1, s2, s3, s4, s5, s6, s7, s8, s9, em, tcm, tnm, tfm, tavm, tg
        s1 = Session("rno")
        's2 = Session("apno")
        s3 = Session("nm")
        s4 = Session("crscd")
        s5 = Session("sem")
        s6 = Session("subcode")
        's7 = Session("subdesp")
        s8 = Session("subdet")
        s9 = Session("examdt")
        em = 140
        tcm = Convert.ToInt32(txttm.Text)
        tnm = Convert.ToInt32(TextBox2.Text)
        tfm = Val(tcm) - Val(tnm)
        tavm = (Val(tfm) * 100) / em
        tg = "a"
        Dim ins
        ins = "insert into tbl_std_result
(std_roll,std_name,std_course,std_sem,std_subcode,std_subname,exam_dat
e,exam_marks,total_cm,total_nm,total_fm,total_avm,grade) values (" + s1 +
"'," + s3 + "'," + s4 + "'," + s5 + "'," + s6 + "'," + s8 + "'," + s9 + "'," & em &
"," & tcm & "," & tnm & "," & tfm & "," & tavm & ",'" & tg & "')"
```

```
        'ins = "insert into tbl_std_result
(std_roll,std_name,std_course,std_sem,std_subcode,std_subname,exam_dat
e,exam_marks) values (" + s1 + ",'" + s3 + "','" + s4 + "','" + s5 + "','" + s6 +
"','" + s8 + "','" + s9 + "'," & tcm & ")"
        cmd = New OleDb.OleDbCommand(ins, cn)
        ad = New OleDb.OleDbDataAdapter(cmd)
        cn.Close()
        cn.Open()
        cmd.ExecuteNonQuery()
    End Sub
```

Result




```
Dim ds As New DataSet
   Dim ad As New OleDb.OleDbDataAdapter
   Dim cn As New OleDb.OleDbConnection
   Dim cmd As New OleDb.OleDbCommand

   Private Sub Page_Load(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles MyBase.Load
      cn = New
OleDb.OleDbConnection("Provider=Microsoft.Jet.OLEDB.4.0;Data
Source=C:\\Inetpub\\wwwroot\\ON_Line_Testing\\test.mdb")
      Dim str1
      str1 = "select * from tbl_std_result"
      cmd = New OleDb.OleDbCommand(str1, cn)
      ad = New OleDb.OleDbDataAdapter(cmd)
```

```
        ad.Fill(ds, "tbl_std_result")
        DataGrid1.DataSource = ds
        DataGrid1.DataMember = "tbl_std_result"
        DataGrid1.DataBind()
    End Sub

    Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles Button1.Click
        Response.Clear()
        Response.Buffer = True
        Response.ContentType = "application/vnd.ms-excel"
        Response.Charset = ""
        ' .EnableViewState = False
        Dim oStringWriter As New System.IO.StringWriter
        'System.IO.StringWriter(oStringWriter = New System.IO.StringWriter)
        Dim oHtmlTextWriter As New
System.Web.UI.HtmlTextWriter(oStringWriter)
        'System.Web.UI.HtmlTextWriter(oHtmlTextWriter = New
System.Web.UI.HtmlTextWriter(oStringWriter))

        DataGrid1.RenderControl(oHtmlTextWriter)
        Response.Write(oStringWriter.ToString())
        Response.End()
    End Sub
    Private Sub Button2_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles Button2.Click
        Dim fr As New WebForm5
        Dim rpt As New CrystalReport2
        rpt.SetDataSource(ds)
        fr.CrystalReportViewer1.ReportSource = rpt
        Response.Redirect("WebForm5.aspx")
    End Sub
```

TESTING PROCEDURE

The main objective of the testing here is to execute a program and find the errors, so that software can function according to specification specified for behavioral and performance requirement of the software.

1. Testing Techniques:

We have used the following testing technique for finding errors in this software:

(A) White Box Testing Technique:

We have used this method to exercise the internal program logic. During the course of white box testing, I have done the following work.

- à All independent paths within a module are exercised at least once.
- à All logical decision on their true and false side is also exercised.
- à All loops were executed at their boundaries and within their operation bounds.
- à Validity of internal data structure was also exercised.

Some of white box testing techniques, which we have used for this software, are:

1. **Basis Path Testing:**

The basis path methods enable me to derive a logical complexity measure of a procedure design and this measure is used for defining a basis set of execution path. This path ensures to execute every statement in a program at least once.

2. **Control structure testing**:

Since the basis path testing was not enough, hence the control structure testing is used to exercise the logical condition in a program module.

During the course of testing, I have done the following activities, which are described below

- à After testing all conditions, we have found some errors like:
- à Boolean variable error in the module cost benefit analysis.

Case:

In cost benefit analysis, we have used the concept of relative cell referencing in this contact; we have taken two types of cell (i) Variable cell, (ii) function based constant value cell. Only user can modify variable cell but function value cell only display manipulated value. If cell is functional cell, its return TURE lese FALSE. During course of testing, we have found this function not return value

properly. So we have separately test this function for Boolean errors.

- à Relational operator error.
- à Boolean Parenthesis error.
- à Arithmetic expression error.
- à After that we have tested the flow of data across the variable in the module.
- à All the loops are also tested to ensure the validity. We found that a loop in the cost benefits analysis modules was functioning more than required iteration; it was later corrected to run within the required iteration.

(B). Black Box Testing:

This method is used to test the functional requirements of the software as specified in the section of S.E. Requirement Specification. By using this technique I have found errors in the following categories:

- o Incorrect or missing functions
- o Interface errors
- o Errors in data structure
- o Behavior or performance errors and
- o Initialization and termination errors

Under the Black Box testing we have used the following types of testing methods:

3. Testing Strategies:

Testing strategy, which I have used here to integrate software test case design methods into a series of steps, can be categorized into two spectrums:

- à Code Testing.
- à Specifications testing.

The testing strategies, which I have used here, have the following generic characteristics

- à First component level testing are performed and then we moved towards the integration of the entire software.
- à During the course of various types of testing, user involvements are also considered.
- à Different types of testing are performed at different points of time.

A. Unit Testing: I have taken following steps during unit testing:

I. The module interface is tested to ensure that information properly flows into and out of the program unit under test.

II. The local data structure is examined to ensure that data stored temporarily maintains its integrity during all steps in a program execution.

III. All independent paths within each module are exercised to ensure that all statements in a module have been exercised at least once.

IV. Boundary is tested to ensure that the module operate properly at boundaries established to limit or restrict processing.

V. Finally all error handling path are tested.

Case:

During the code implementation, we have face with precision problem In “cost benefit analysis”.

B. Integration Testing: During this phase we have combine all the module and perform integration sting for constructing the program structure while at the same time conducting tests to uncover errors associated with interfacing. In order to integrate all the modules we have used Bottom up approach.

C. Validation Testing:

After the completion of integration testing and removal of interfacing problem, we have conducted validation testing according to reasonable expectation of user specified in the S.E.Requirement specification documents. Since this s/w is designed for management, hence a series of acceptance tests are also conducted. The acceptance test is conducted is conducted

by Mr. Neeraj Kant Jha and he is found the satisfactory performance of the software according to their needs.

D. System Testing:

Finally we have conducted the system testing to fully exercise the currently developed computer based system **"Medicine Distributor Management system".**

Following tests are performed during this phase:

I. Recovery Testing: During recovery testing we have exercised fault tolerance capacity of system, ability to recover from failure. We found that the system is fault tolerant and processing fault is not causing overall system function to cease.

II. Security Testing: We have made various attempts to penetrate the data stored in the system.

FEELING ABOUT USER

Everyone wants to automate the entire process that involved in the OES-On-Line Examination System, so that all the problems uncounted yet can be solved. They feel computerization is the only solution.

The use of the information technology for the automation of manual system aim to: ---

- è Cut down arithmetic errors
- è Provide quicker information
- è Provide reliable media for storage
- è Remove duplicity of work
- è Provide security to the data
- è Enhance efficiency

EVALUATION

The field data provided by the supervisor, assigned by Mr. Deepak Kumar Singh, was put to test. The manually generated results and reports are compared against the presently developed s/w for verification.

Following points are observed:

1. The results produced by both the system are same and correct.
2. Reports are correct.
3. Report generation becomes rather easy than manual system.
4. The efficiency of the existing system enhanced significantly.
5. The new information system has changed the completeness of the information significantly.
6. The decision making process now simplified, hence overall saving in management efforts.
7. The productivity of the system increased.

CONCLUSION

While writing solution to this problem, I realized that right attitude towards problem solving with at least an average aptitude gives dynamic result. At start, I was having no roadmap, but subsequently as I progressed all become clearer and clearer, finally I am writing the Termination Analysis. All the process that I have used can be used informally, but it's formal execution I have found almost necessary to give it a professional touch, which after realizes into its commercial value. I have also realized that, if any project doesn't have commercial nature, its completion or incompletion doesn't have any meaning. Additionally talking to seniors and experts, proper documentation and investigating attitude are must to develop a project.

As a formal method I will follow sequential way to develop any solution given to me, in future:

- System study to collect max. facts in less time.
- System Analysis to understands its pros and cons.
- All(inferior and Superior) designs, that can be used to solve that problem and choosing the the best based on the cost-benefits Analysis.
- A severe testing strategy to test even least regretful situations that could occur.
- Comfortable documentation with every step.
- Writing Termination Analysis as an integral step.

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