ONLINE EXAMINATION SYSTEM

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This project is submitted to Computer Center Quaid-i-Azam University in partial fulfillment of requirements of PGD (Computer Science).

COMPUTER CENTER
QUAID-I-AZAM UNIVERSITY
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Dedicated to my

Father, Mother and

my elder brothers.

Computer Center

Quaid-i-Azam University

Islamabad

FINAL APPROVAL

This is to certify that we have read the project submitted by **Mr. Vinod Kumar Ahuja.** It is our judgment that this project report is of sufficient standard to warrant its acceptance by the Quaid-i-Azam University, Islamabad for the POST GRADUATE DIPLOMA IN COMPUTER SCIENCE.

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Vinod Kumar Ahuja

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Chapter 1

Introduction

INTRODUCTION

Internet has revolutionized our lives completely. From the way we communicate to how we shop and retrieve information. It has become one of the most important learning aids to the traditional education. With its advent every thing goes online. From your business to your education all these activities are being conducted on net. The concept of home learning is increasing day by day. Virtual universities are being established which offers full flash degree courses online where students gets the stuff makes the self study and gives the paper online and gets the degree. Even the online group discussion among the students from different parts of world and the professors are conducted. This helps the students to learn from wide verity of people.

Presently many educational institutions have online examination system where the students login to the internet and gives the tests of their field at any time they wishes. Many testing services are offering the online tests where the candidate gives the tests and gets the certificate on it's qualification. One of such example is Brainbench.com.

Considering the today's need I have worked on such project which offers different online tests. Where the students register themselves and gives the test any time they wishes. Each test comprises of different questions with multiple choice answers. The student is given some time to answer the questions asked and then after that time they gets the results of their test. In order to have the record of the students I have also maintained a database which contains the different tests and students personal information and the result of different tests they have given. So in the backhand I have complete database and in front hand a web application.

The project can be viewed on the website mentioned below.
http://www.freecfm.com/o/onlineexams/

Tools Used:

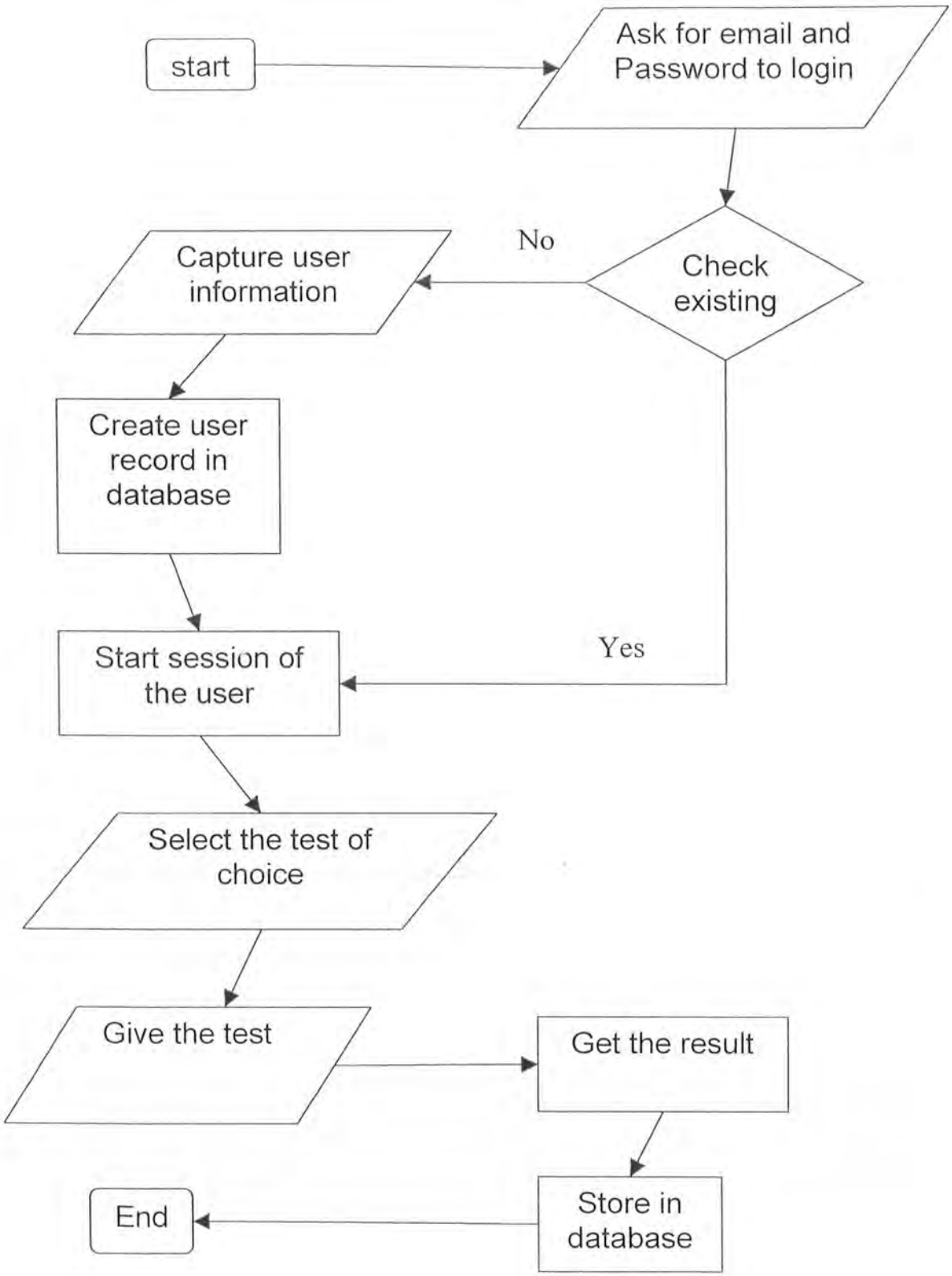
For the development of this project I have used following tools.

1. ASP (Active Server Pages).
2. Server side scripting with VB Script.
3. Client side scripting with Java Script.
4. HTML (Hyper Text Markup Language).
5. OLE-DB data connectivity using (ADO 2.5)
6. Microsoft Access 2002 for the database of users and different tests.

The process of my web application is that first of all the new user get himself registered with the application so that he can give the different tests offered by this application. For giving the test he logins to the system so as to create his individual session. After logging to the system he is provided with links to different tests where he goes the test of his choice and gets the general instruction about the test. After reading the instruction he proceeds for the tests and gives the test in the provided time. In the test he is given five questions in each page with four multiple choice answers. After he finishes his test he gets the result in real time (i.e. as soon as he finishes the test he is shown the result of his test.).

The above process was in front on ASP but in backhand I have maintained a database in Access which contains the data of the user giving the test. This database also contains the result of the tests given by the user so that the user can access them in future time. Besides user's information this database also contains the different tests offered. The flow chart of the online exam system is shown below.

Flow Chart of Online Examination system



Chapter 2

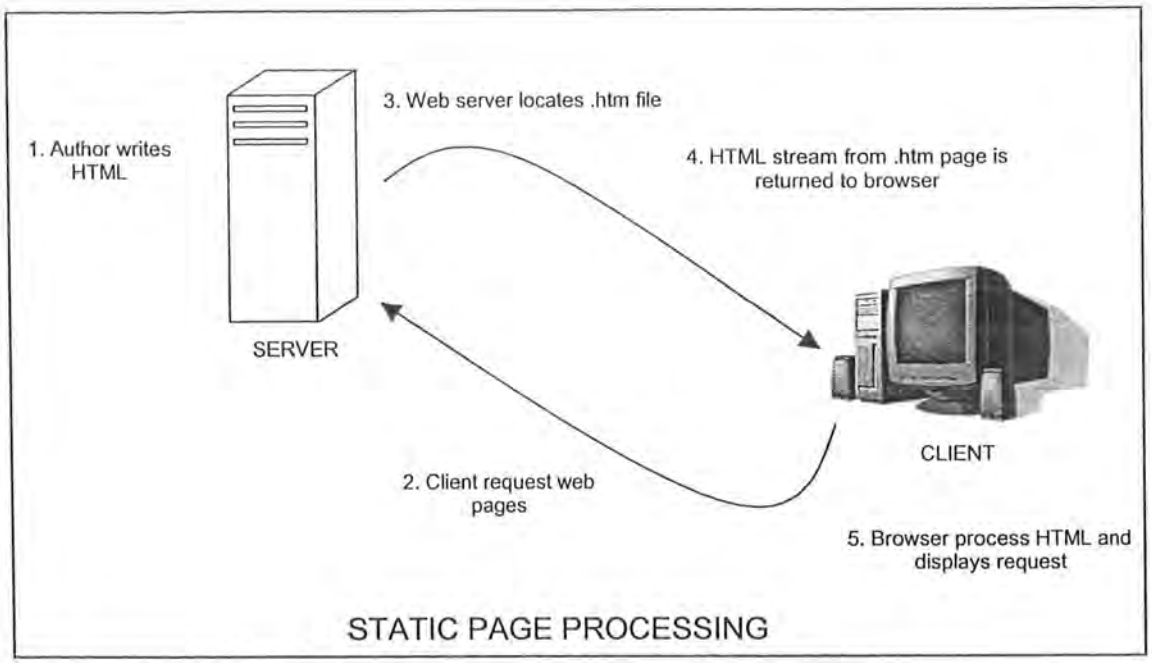
Introduction To Active Server Pages

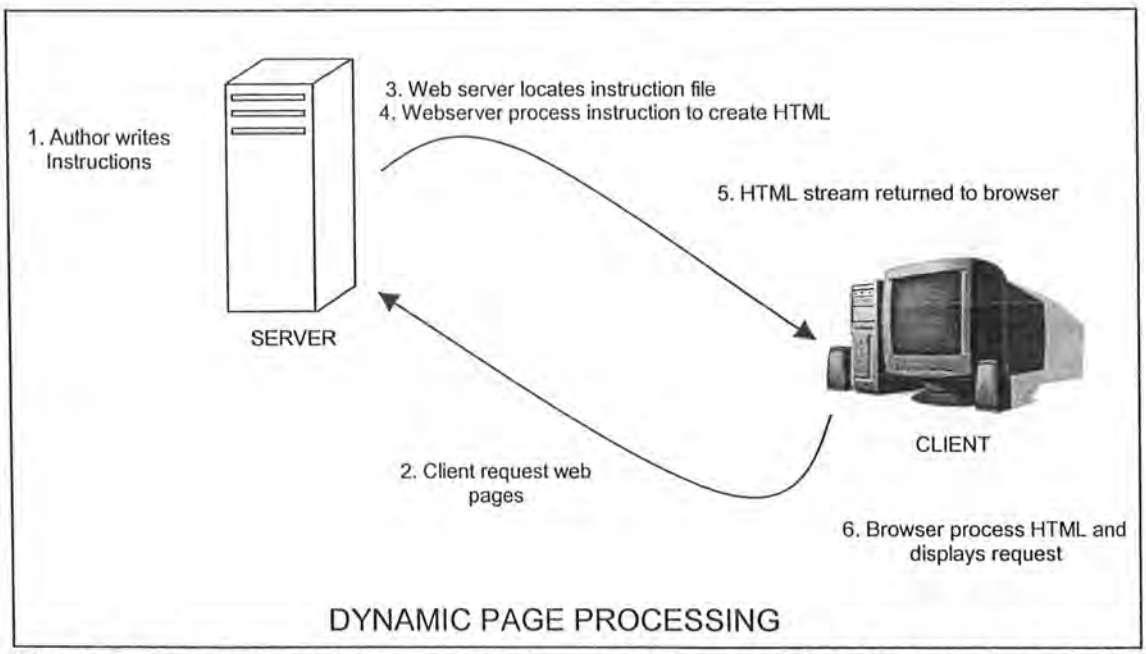
Introduction to Active Server Pages

2.1 Brief History of Web:

The World Wide Web came to life in 1990 when the web researchers at Switzerland's CERN laboratory needed to distribute documents and graphics via internet but need something more than file transfer. This led to the development of web applications. Tim Berners-Lee at CERN, along with the team of developers investigated and builds a way to transmit the information in the format known as Hypertext Transport Protocol (HTTP) using Hypertext Markup Language (HTML). This HTML used to display simple static pages. Since then the extra features were added to it and its latest version is HTML 4.0.

HTML pages just shows the static pages which displays the text and images as written. As the time passed the need of personalized and dynamic pages raised which can create the pages according to the personal needs. That means the text, images, tables, forms and even layout of pages can be selected automatically at the time the user request the page. In this way the concept of dynamic pages was raised. The difference between the static page and dynamic pages are shown in the figures given below.





The first step to the development of dynamic pages was of the introduction of CGI (Common Gateway Interface). A CGI application runs entirely on server. When a browser contacts the server and requests the page the CGI at that time generates a HTML page and return it to the browser. CGI can be written almost in any language but most of the CGI users used **Perl** (Practical Execution and Reporting Language), a language with

powerful capabilities. Perl is the Scripting language. A scripting language is relatively small usually interpreted (not compiled) at the time of execution. The latest development in the dynamic page creation is of ASP (Active Server Pages) and JSP (Java Server Pages).

2.2 History of Active Server Pages (ASP):

ASP was officially announced by Microsoft on July 16, 1996, codenamed *Denali.* A beta version was released in November 1996, and ASP version 1.0 was shipped on December 12, 1996. It gained much wider recognition when it was bundled with version 3.0 of Microsoft's Internet Information Server (IIS) web server suite in March 1997. In 1998 Microsoft released new version of their web server software, Internet Information Server 4.0 (IIS 4.0) and Personal Web Server 4.0 (PWS 4.0): both of these products supported the new ASP Version 2.0. ASP 2.0 offered considerable enhancement over ASP 1.0, including enrich model for managing communications between browser and web server. With the release of Windows 2000, new further updated version of Internet Information Server (IIS 5.0) and a new version of Active Server Pages (ASP 3.0) were released.

2.3 Introduction to ASP:

Active Server Pages is the Microsoft Technology which is used to create the dynamic web pages on the server. Active Server Pages are actually a series of dynamic link libraries or DLLs that are installed on your web server by either a standalone installation program or as part of the Visual Studio 97 setup for Visual InterDev. These DLLs give IIS the ability to interpret and process information via the use of a script file (called an ASP script) that is resident in your web application directory.

ASP allows the functionality of programming Language in the form of Scripts. When we request a page of ASP from our browser the ASP code is processed at that time by a special piece of software called the web server. This generates the HTML and is passed

to the browser which in turns process HTML code and displays the generated page. So there are two strong aspects of ASP:

1. Dynamic Page: The web page is created when it is requested by browser.

2. Browser independent: ASP is browser independent due to ability to generate HTML code which is only passed to the browser and HTML is such language which is understood by any browser.

ASP is not actually a language in itself. Meaning there is no ASP code as per, but it use VBScript or JScript or whichever scripting language you decide you want to use. VBScript is the most widely used language for ASP. Active Server Pages allow you to take advantage of server-side scripting. Furthermore, ASP provides an array of objects and components which manage the interaction between the browser and the web server. Scripting languages such as VBScript and JScript are used to manipulate these objects.

2.4 Setting up ASP environment in Windows NT Workstation, Windows 95 and Windows 98:

As we know that ASP works on server machine so for this first of all we have to setup the Web Server Environment where ASP pages can execute. In the above mentioned environment we can use Microsoft's Personal Web Server (PWS) as web server software.

2.4.1 Sources of PWS:

Following are two sources of PWS

1. Windows 98 CD:

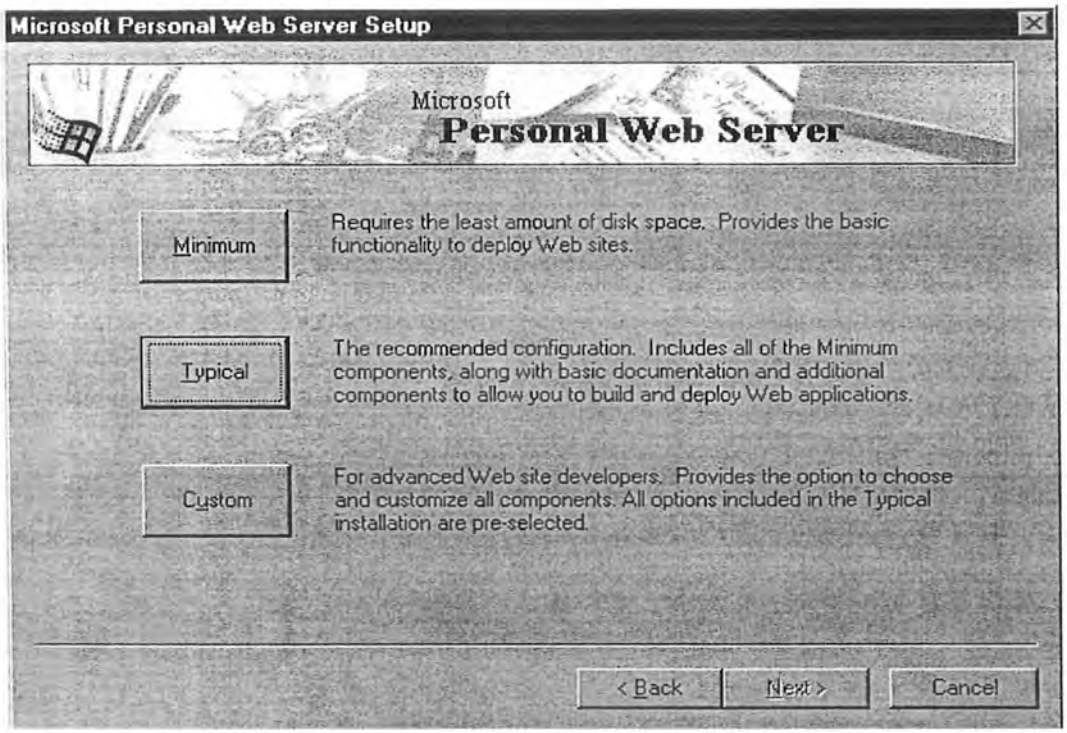
   Windows 98 CD contains folder named ADD-Ons/PWS. Withen that folder is a setup.exe for PWS
2. download:

   One can download from Microsoft's Website www.microsoft.com.

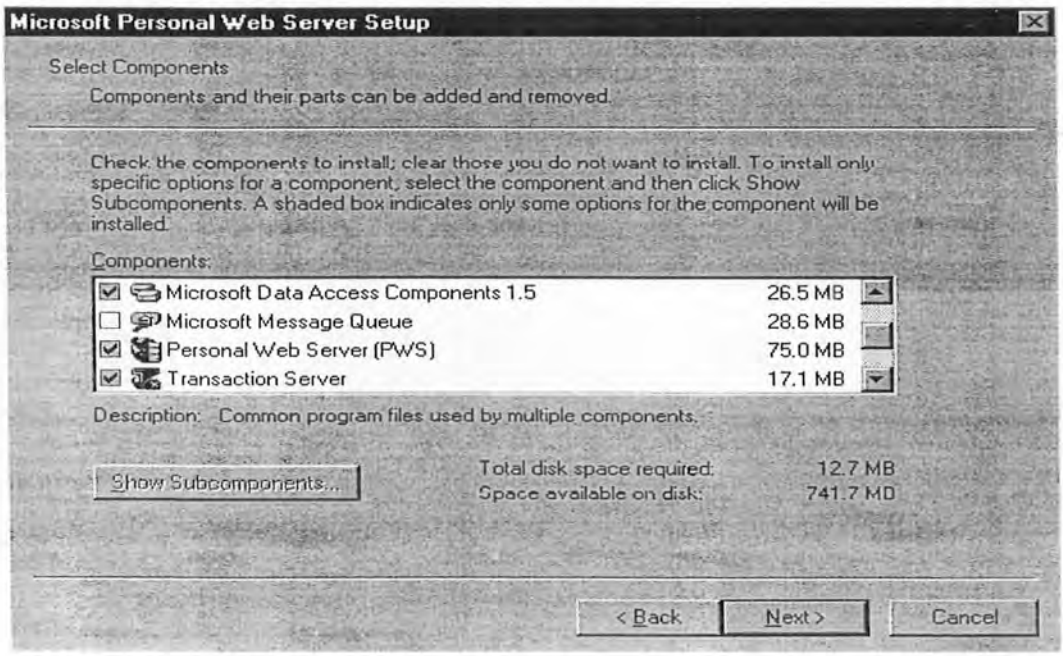
2.4.2 Installing PSW

Run the setup.exe file from the CD or from where you have downloaded the PWS. You will see the following window.

Next you will see following window.



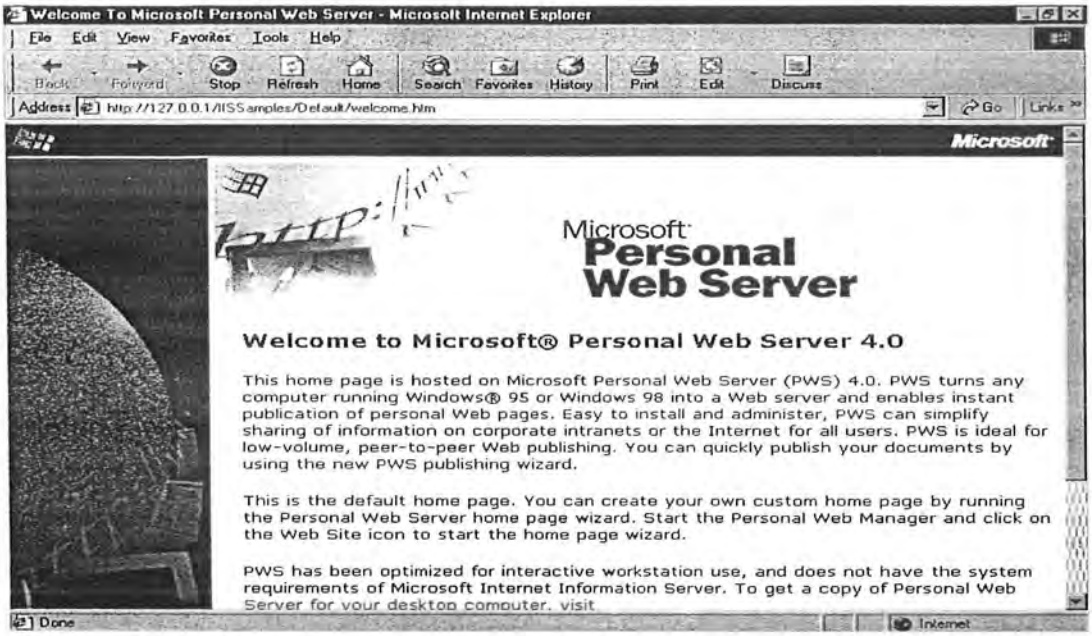
The typical installation will be suitable for most users. So click typical button. If you want the custom installation click custom and you will see the following window.



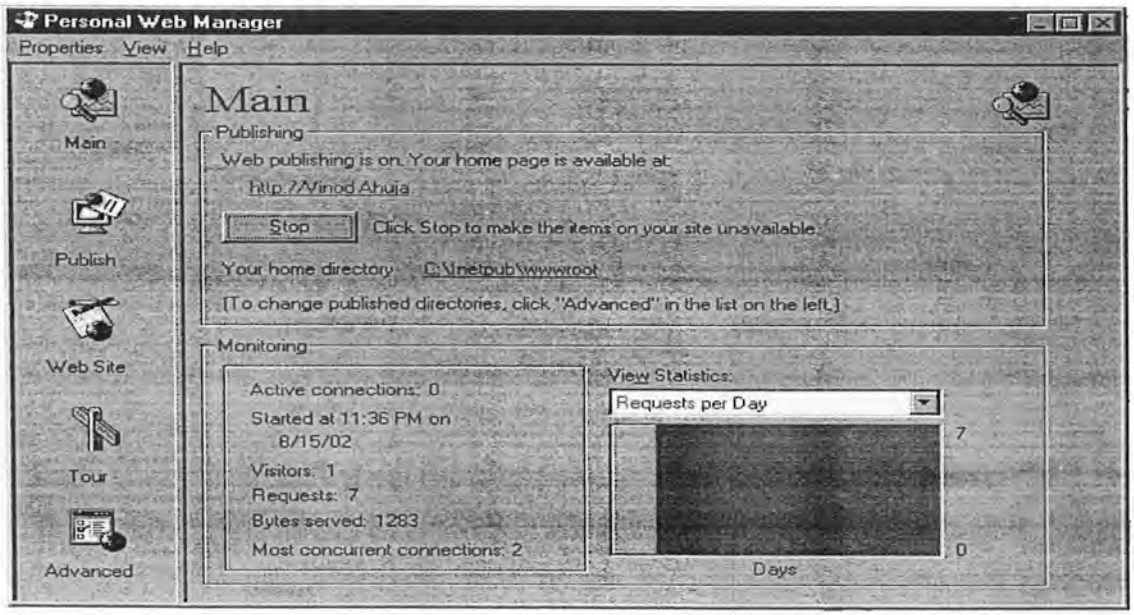
Select the PWS and click next. You will be shown the following window.

Leave the default folder in above mentioned address and click next. The Pws will be installed and you will be asked for restarting of windows. Restart it and do the following things to check the setup weather it has been installed properly.

Run your browser and type the following address: 127.0.0.1 and you will see the following page on your browser.



If the following page is displayed on your browser that means PWS has been installed correctly and working properly. Other wise click the shown  in the task bar. And you will see the following window named Personal Web Manager.



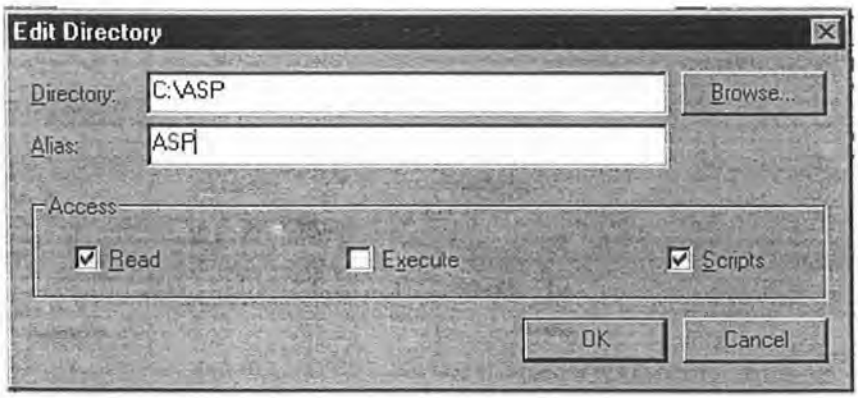
If instead of Stop if Start is shown than click on the start button and your web server will work now again start the web browser repeat the above step.

2.5 Virtual Directory:

Virtual directory is the pointer to the physical directory. When you type the address in the browser it is actually the address of virtual directory which points to some physical directory that is located on the server and retrieves the files from that directoery.

2.5.1 Creating Virtual directory in PWS:

For creating virtual directory create any new folder in your hard disk. For example I created ASP as new folder in my C drive. Now open the PWS Main window by clicking the PWS icon  on the task bar. Your main window will be appeared and as shown in figure 2.3. in there click the "Advance" button. You will see a different window over there click the "Add" button. Following window will be appeared.

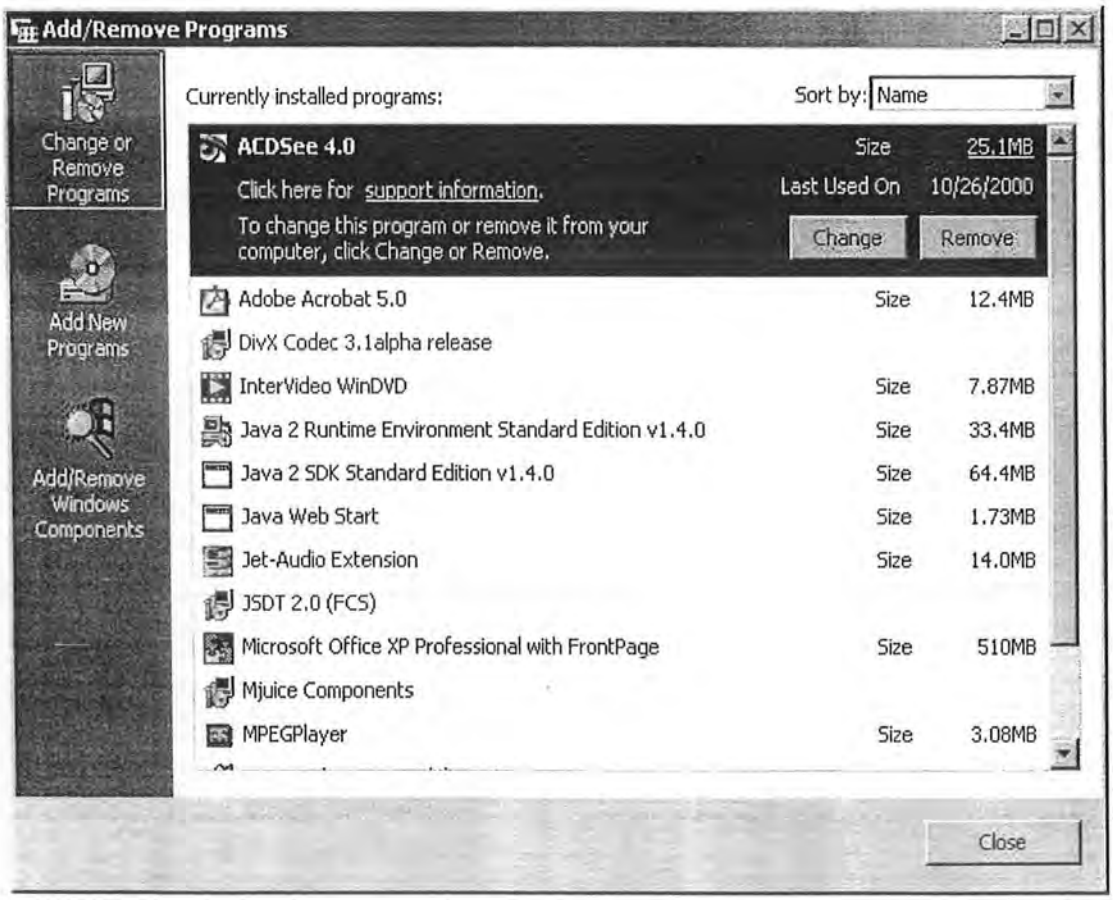


Browse the directory you have created in the C drive or give the following path in the Directory text box. C:\ASP. And in Alias type any name you want for your virtual directory. In my case I have written ASP as Alias as shown in the above figure. (Alias is the name of your virtual directory which is used in giving the address to the browser.) Now click ok and your virtual directory will be created.

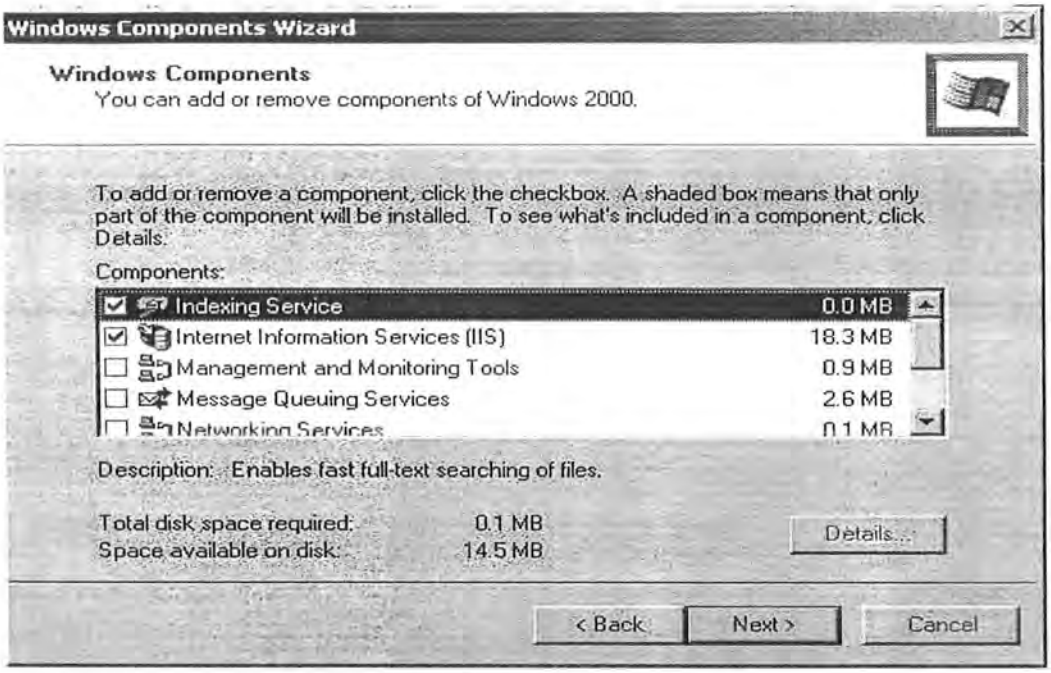
2.6 Setting Asp Environment in Windows 2000

In Windows 2000 we can setup Web Sever Environment by installing Internet Information Service which comes with Windows 2000 Cd. Following is the procedure of setting Web Server environment:

1. Start Control panel
2. Click add and remove program



3. Click Add/Remove Windows Component. And you will see following window.



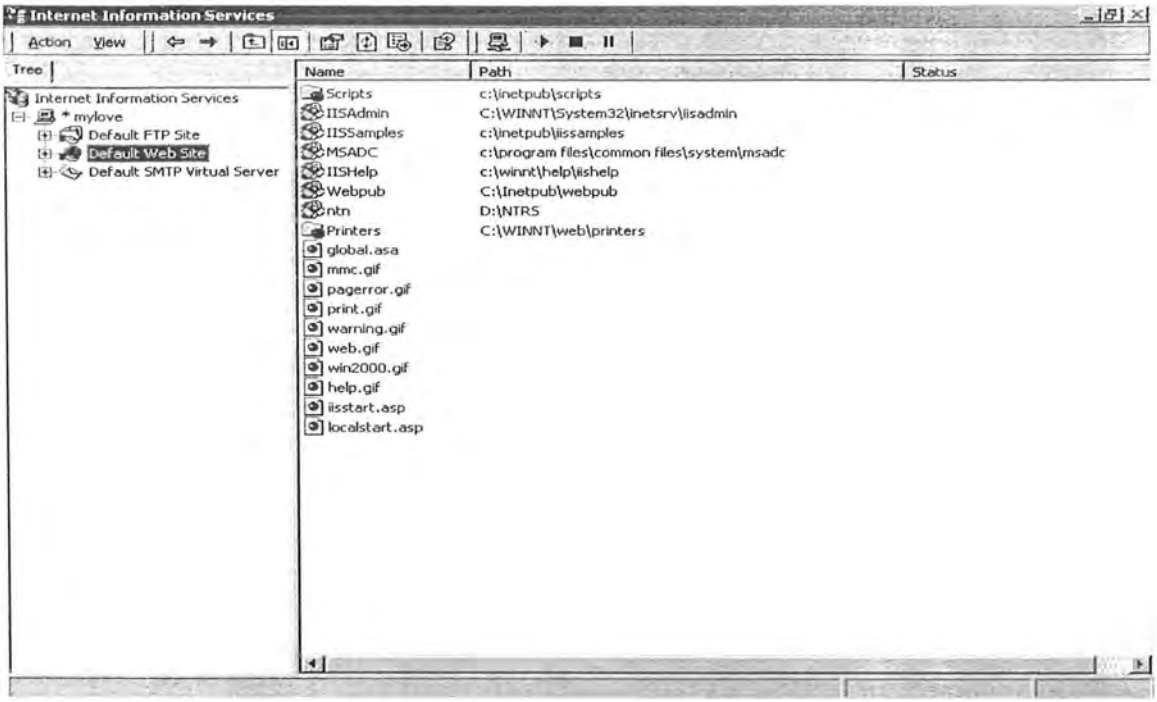
4. Select IIS (Internet Information Service) and click next.
5. It will install IIS on your system. During installation it might ask you about Windows 2000 cd. Insert that CD in Your cd drive before installation.
6. Your web sever is installed.
7. You can check weather it is properly working or not by typing 127.0.0.1 in your web browser. If you see a web page opened that means it is working properly.

2.7 Creating Virtual Directory in Windows 2000:

The virtual directory function is same as I have mentioned in Windows 98 setup. Also in Windows 2000 environment you have to save all your files in your virtual directory and make its path in ISS so as to run them in your browser. Before creating virtual drive you must create new folder in your C drive with name ASP as we have done in Windows 98 for creating virtual drive. Following are the steps to setup Virtual Drive in Windows 2000.

1. Go to control Panel and to the Administrative tools.

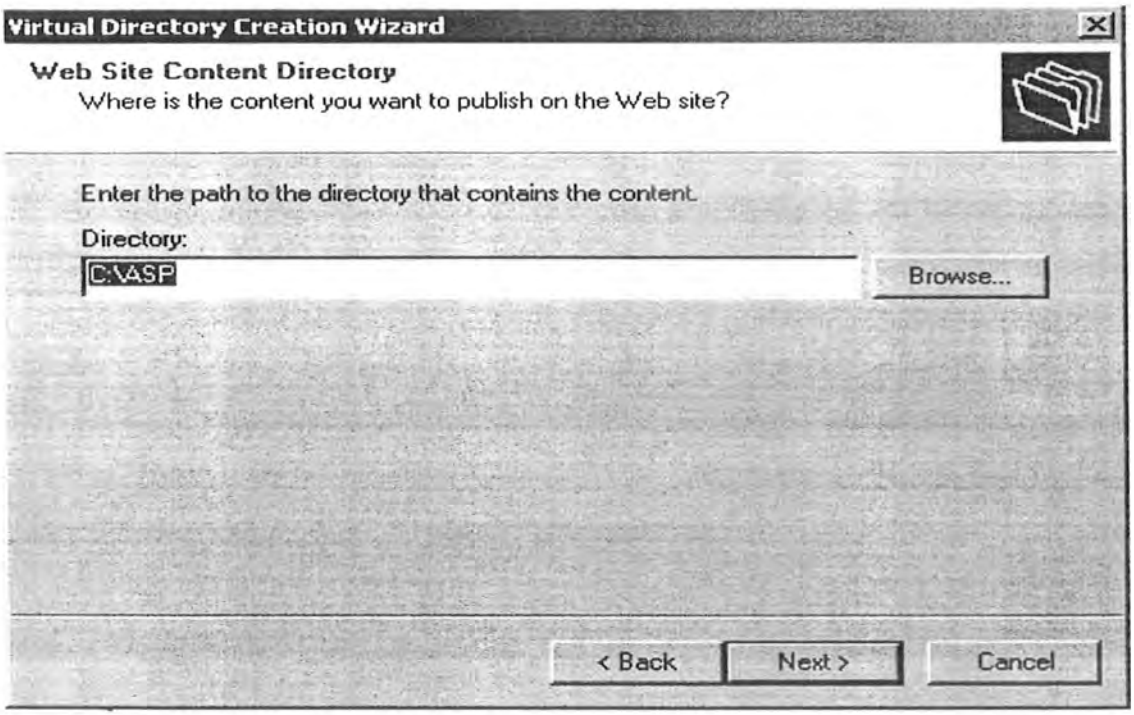
2. Click Internet Service Manager. You will see the following window.



3. Right click default Web Site
4. Go to new and than Virtual Directory.
5. Following window will appear

6. Click Next.

7. In the next window type the Alias as ASP or you can give the name of your choice. In the same way as you have done in Windows 98 setup.
8. Next browse the directory i.e. C:\ASP which you have created before setting your virtual drive. As shown below.



9. Click next and you are finished with creating your virtual directory.

Now save your entire asp files in this directory and run them in your browser.

2.8 Writing your first ASP page:

Before writing any page of ASP one should have some knowledge of HTML language because an ASP page consist of three parts:

1. Simple Text: it contain simple ASCII text.
2. HTML Tags: it helps to format the text and images to be displayed in the browser.
3. ASP Statements: It contain the scripts and the ASP objects used.

Following few points should be noted before writing any ASP Page:

1. ASP Page is always saved with the extension of .asp in the virtual directory.
2. ASP Statements are written between markers <% and %>.
3. one has to mention the Scripting language otherwise by default asp use VBScript.
4. one has also to mention where to run the script, at server machine or at client's machine. By default ASP runs the script within <% and %> at server and Script within the HTML Script tag <SCRIPT> at client.

There are seven intrinsic objects of ASP. You don't have to create them but they are always available to use in ASP page. They are:

1. Response Object: It is used to send the information to the client browser.
2. Request Object: It is used to retrieve information form client browser.
3. Server Object: It is used to communicate with server.
4. Application Object: It is used to store (cache) information about your application.
5. Session Object: It is used to cache information about a specific browser instance.
6. ObjectContext Object: It is used to initiate and control transaction and create new objects through Microsoft Transaction Server (MTS).
7. ASPError Object: It is used to obtain information about errors that occur while the ASP engine processes a script.

2.9 First ASP page code:

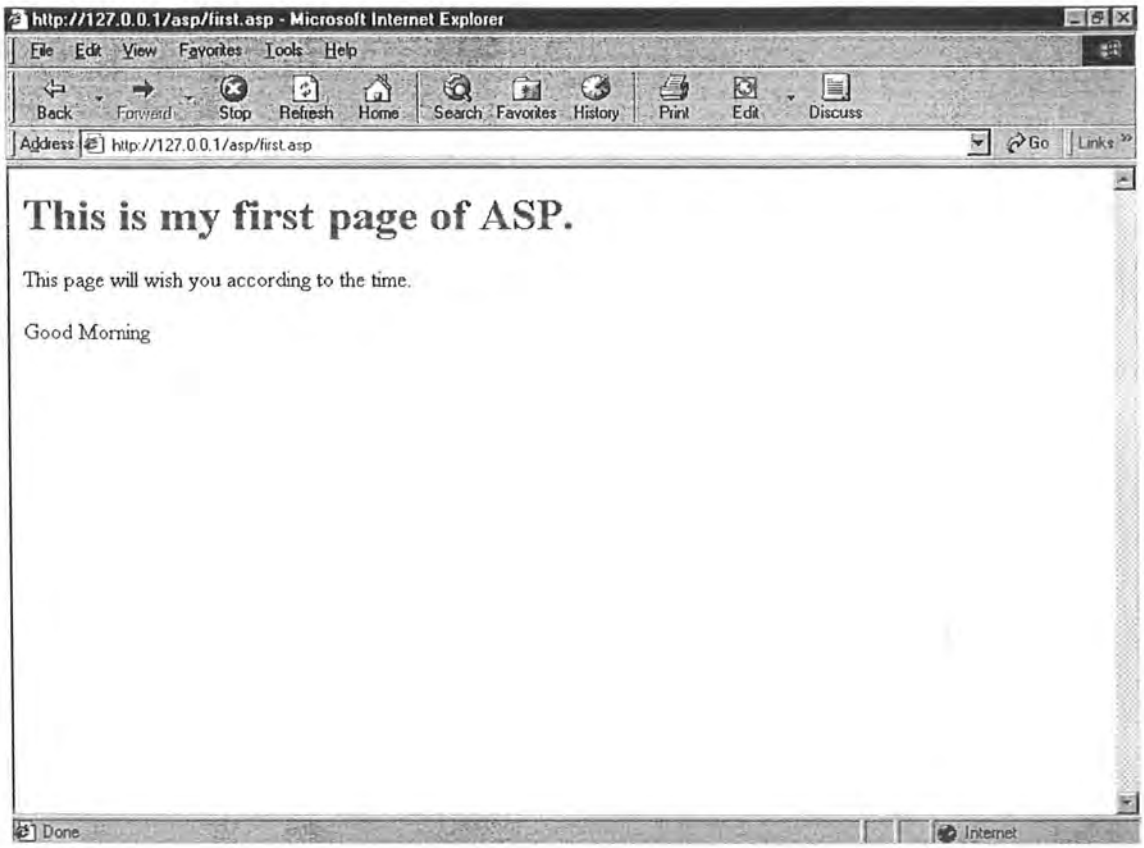
Now we are in better position to write our first ASP Page. You can write your ASP code in Notepad or any other text editor but not to forget to save the page with extension .asp. As shown bellow.

```
<%@ Language=VBScript %>
<html>
<body>
<H1>
This is my first page of ASP.</H1>
<p>This page will wish you according to the time. </p>
<%
cHour=Hour(Now)
If cHour <12 then
  Response.Write ("Good Morning")
ElseIf cHour <18 then
  Response.Write ("Good Afternoon")
Else
  Response.Write ("Good Evening")
End If
%>
</body>
</html>
```

Save the above page with name First.asp in your virtual directory you have created.

Notice that VBScript was declared as the scripting language. This declaration is placed at the top of the page. The body of the code is placed between <% and %> tags.

It will look like in your browser as shown on next page.


http://127.0.0.1/asp/first.asp - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Forward Stop Refresh Home Search Favorites History Print Edit Discuss
Address http://127.0.0.1/asp/first.asp
Go Links
This is my first page of ASP.
This page will wish you according to the time.
Good Morning
Done
Internet

Chapter 3

Database Connectivity with ASP

Database Connectivity with ASP

3.1 Database related Concepts

Before we go in the details of the database connectivity first of all we shave to see few concepts:

3.1.1 Database:

A database is an organized collection of logically related data. It stores information in tables and records so that information contained within is easily accessable to who ever needs it.

For example: Almost in all organization employee database is maintained like:

Employee No.	Name	Address	City	Phone

Here data of single employee makes a record and the collection of records makes a table and collection of such tables makes database.

3.1.2 Data store:

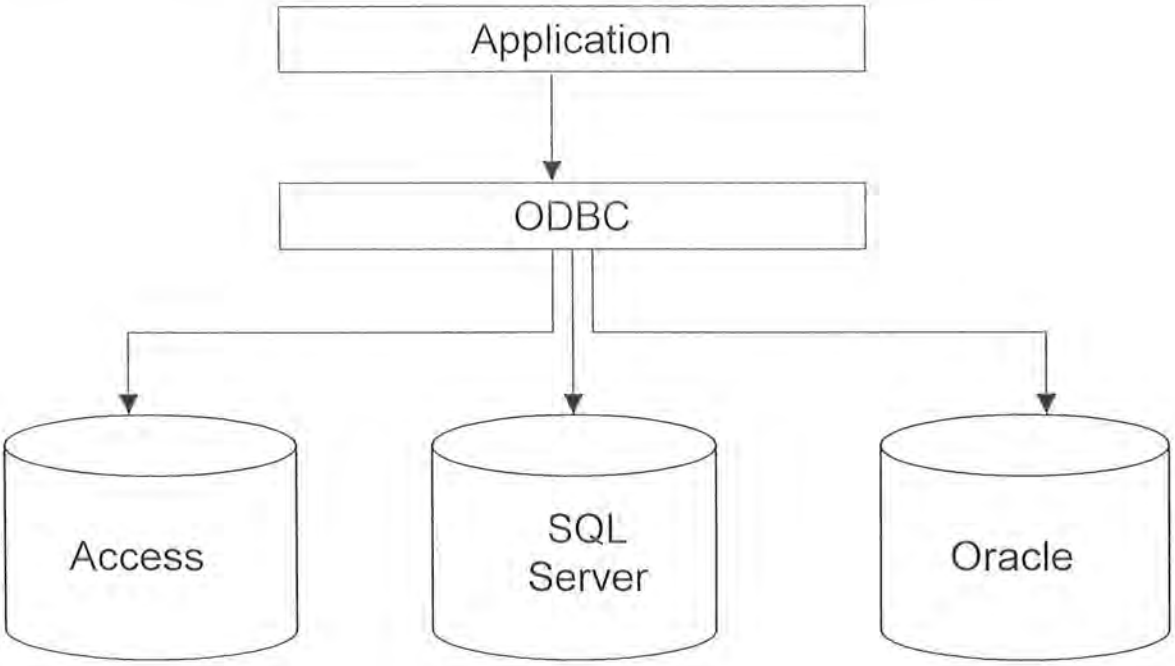
Not all the data is stored in the format mentioned above. Some times the data is stored in the format of word document, an email, or an spread sheet. So data store contains any persisted collection of information in any format.

3.1.3 Universal Data Access (UDA):

The above term was used by Microsoft to refer the strategy to access any type of data application stored in nay format like in Access Database, Oracle, or SQL Server. So the need was to access any type of database into your webpage. For this purpose ODBC was used.

3.1.4 Open Database Connectivity (ODBC):

Open Database Connectivity (ODBC) is the standard of accessing any data. It is designed to allow the program to use a common sat of routines to access the data stored in the database, regardless of the type of database used. As shown in the figure below:



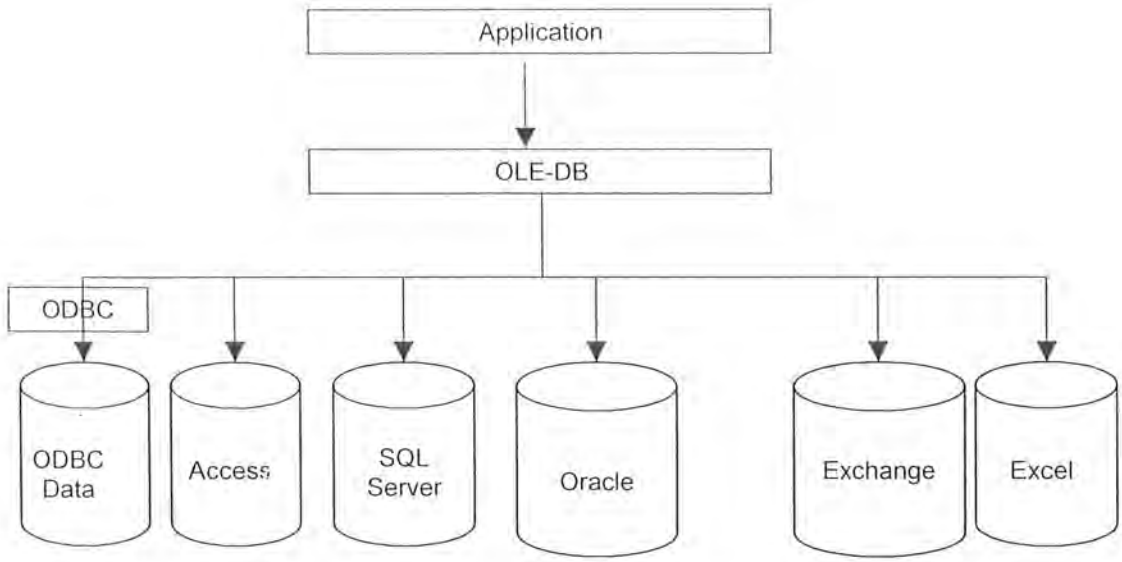
From above figure it is clear than when the application is connected to the ODBC they can access any type of data and can manipulate it. So ODBC is the interface between the application and the database.

Since ODBC access most of the data types but it is restricted to the types stored in the format of tables records and keys. But there are other data store formats to which it can't access like word document etc.

2.1.5 OLE-DB:

To overcome the problem of ODBC, OLE-DB was introduced which is much faster and easier to use than ODBC. OLE-DB is the underlying technology that interfaces between

our programs and the source of data and is mostly used in languages like C++ and Java. It can even connect to the ODBC as shown in the figure:



2.1.6 ActiveX Data Object (ADO):

ADO is the component that allow us to interact with data store. These are ActiveX objects that provides easy access to the OLE-DB functionality. Since OLE-DB was not designed to be used in all languages, so in other languages like Visual Basic and other scripting languages ADO is used to access to the OLE-DB functionality. Even the lanaguages which use the OLE-DB directly can use the ADO to simplify there data.

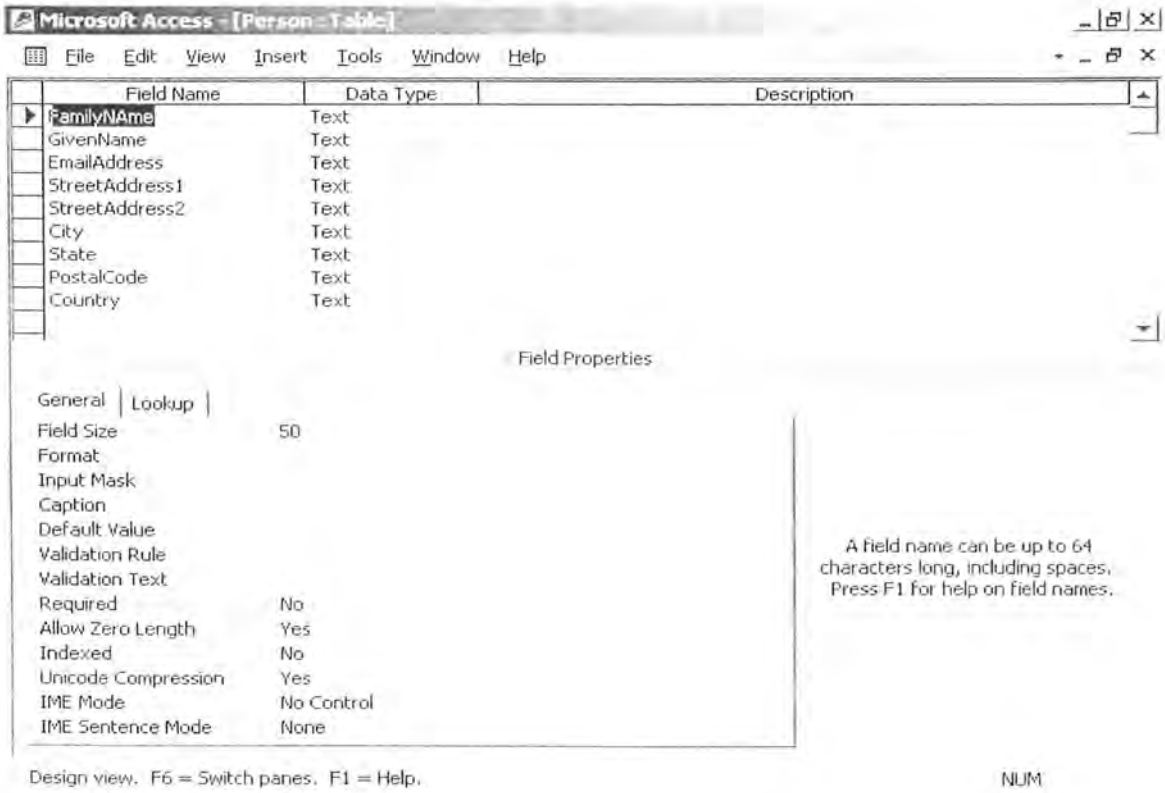
3.1.7 ASP and ADO

ASP uses the ADO which in turns communicates with OLE-DB which gets the data from our data store. ADO was developed by Microsoft. This ADO is shipped as part of IIS 5.0 or ASP 3.0 packages. One can also download ADO's latest version from Microsoft's site.
http://www.microsoft.com/data/download.htm
I have used ADO 2.5 version for my project.

3.2 Create a Database in Access

Following are the steps to be followed to create a data base.

1. Open Microsoft Access
2. Select File → New
3. File New Database window will be open name it *Person* and save it in your folder. In my case I saved it in c:\asp
4. Now database window will be opened.
5. Click Table
6. Select Table in Design View
7. Insert the following fields as shown in the figure



8. Save it with the name personal.
9. Open the person table and feed some data in it.
10. Close the database.

In this way you can create a table in your database.

3.3 Submitting the Data through a Form in a Browser

Follow the following steps.

1. Open the Notepad or your favourite script editor.
2. Write the Following code and save as Register.asp

```
<HTML>
<HEAD>
<TITLE>Registration</TITLE>
</HEAD>
<BODY>
<H1>Registration</H1>
<HR>
<FORM METHOD="POST" ACTION="addnew.asp">
<P>
Please provide the following contact information:</P>
<BLOCKQUOTE>
<TABLE>
<TR>
<TD ALIGN="right">
<em>Email Address</em></TD>
<TD>
<INPUT NAME="Email" SIZE=25></TD>
</TR>
<TR>
<TD ALIGN="right">
<EM>First Name</EM></TD>
<TD>
<INPUT NAME="GivenName" SIZE=25>
</TD>
</TR>
<TR>
<TD ALIGN="right">
<EM>Last Name</EM></TD>
```

```
<TD>
<INPUT NAME="FamilyName" SIZE=25>
</TD>
</TR>
<TR>
<TD ALIGN="right">
<EM>Street Address</EM></TD>
<TD>
<INPUT NAME="Address1" SIZE=35>
</TD>
</TR>
<TR>
<TD ALIGN="right">
<EM>Address (cont.)</EM></TD>
<TD>
<INPUT NAME="Address2" SIZE=35>
</TD>
</TR>
<TR>
<TD ALIGN="right">
<EM>City</EM></TD>
<TD>
<INPUT NAME="City" SIZE=35>
</TD>
</TR>
<TR>
<TD ALIGN="right">
<EM>State/Province</EM></TD>
<TD>
<INPUT NAME="State" SIZE=35>
</TD>
</TR>
<TR>
<TD ALIGN="right">
<EM>Zip/Postal Code</EM></TD>
<TD>
<INPUT NAME="PostalCode" SIZE=12 MAXLENGTH=12>
```

```
</TD>
</TR>
<TR>
<TD ALIGN="right">
<EM>Country</EM></TD>
<TD>
<INPUT NAME="Country" SIZE=25>
</TD>
</TR>
</TABLE>
</BLOCKQUOTE>
<INPUT TYPE=submit VALUE="Submit Form" name="Submit">
<INPUT TYPE=RESET VALUE="Reset Form">
</FORM>
<HR>
<H5>
 </H5>
</BODY>
</HTML>
```

After then again open Notepad and write the following code and save it as "addnew.asp"

```
<!-- METADATA TYPE = "typelib" FILE="C:\Program Files\Common
Files\System\ado\MSADO15.DLL" -->
<html>
<head>
<title>Testing Our connection</title>
</head>
<body>
<%
Dim objConn, objRS
Set objConn = Server.CreateObject("ADODB.Connection")
Set objRS = Server.CreateObject("ADODB.Recordset")
```

```
objConn.Open "Provider=Microsoft.Jet.OLEDB.4.0;" &  "Data Source = c:\asp\Person.mdb"
objRS.Open "select * from Person", objConn, adOpenStatic, adLockOptimistic, adCmdText
objRS.AddNew
objRS.Fields("FamilyName") = Request.Form("FamilyName")
objRS.Fields("GivenName") = Request.Form("GivenName")
objRS.Fields("EmailAddress") = Request.Form("Email")
objRS.Fields("StreetAddress1") = Request.Form("Address1")
objRS.Fields("StreetAddress2") = Request.Form("Address2")
objRS.Fields("City") = Request.Form("City")
objRS.Fields("State") = Request.Form("State")
objRS.Fields("PostalCode") = Request.Form("PostalCode")
objRS.Fields("Country") = Request.Form("Country")
objRS.Update

objRs.Close
objConn.Close
Set objRs = Nothing
Set objConn = Nothing
Response.Redirect "thanks.asp"
%>
</body>
</html>
```

Once again open the note pad and write the following code and save it as Thanks.asp

```
<html>
<head>
<title>Thanking for Registering</title>
</head>
<body>
<p align="center"> </p>
<p align="center"> </p>
<p align="center"> </p>
<p align="center"> </p>
<p align="center"><font size="7">Thank you for Registering</font></p>
</body>
</html>
```

Save all above files in your virtual folder.

The first file register.asp was use to create a form

Second file addnew.asp was use to connect the form with database.

Third file Thanks.asp was create to display the confirmation that data has been added to the database.

You can also preview the entered data in your database of access.

In this way you can retrieve and send the data to your database by using ASP.

Chapter 4

Project Database

PROJECT DATABASE

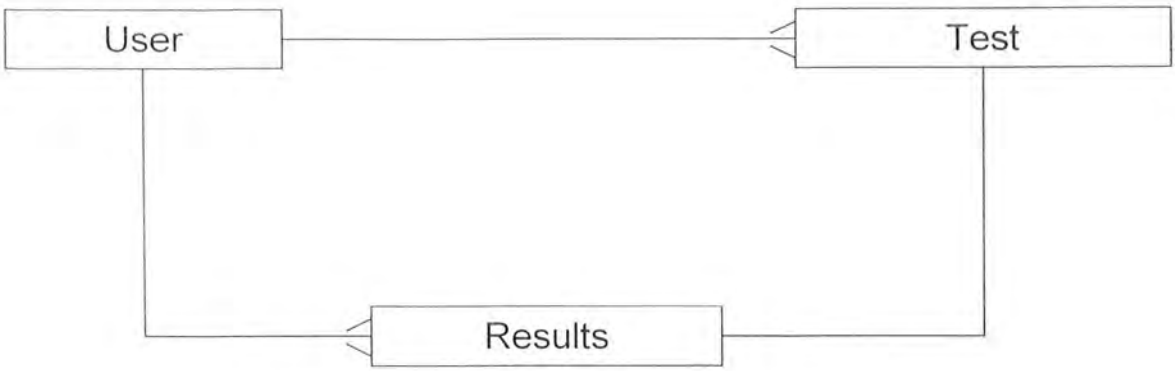
4.1 Setting Web Application Database:

Since all the users personal information their test record for future retrieval is to be maintained so for this purpose we have to maintain a database which can accomplish all our needs. Along with this we have to keep make a database of all the test which are to be offered on our web application.

For this purpose and also for the smooth function of my web application I have chosen Microsoft Access Relational Database as my database for storing all sort of data. Microsoft Access is easy to setup and deploy and also leave open option of scaling the application to a full Server-based database system such as SQL server. Also it is easily portable and easy to upload.

4.2 Entity Relation Model:

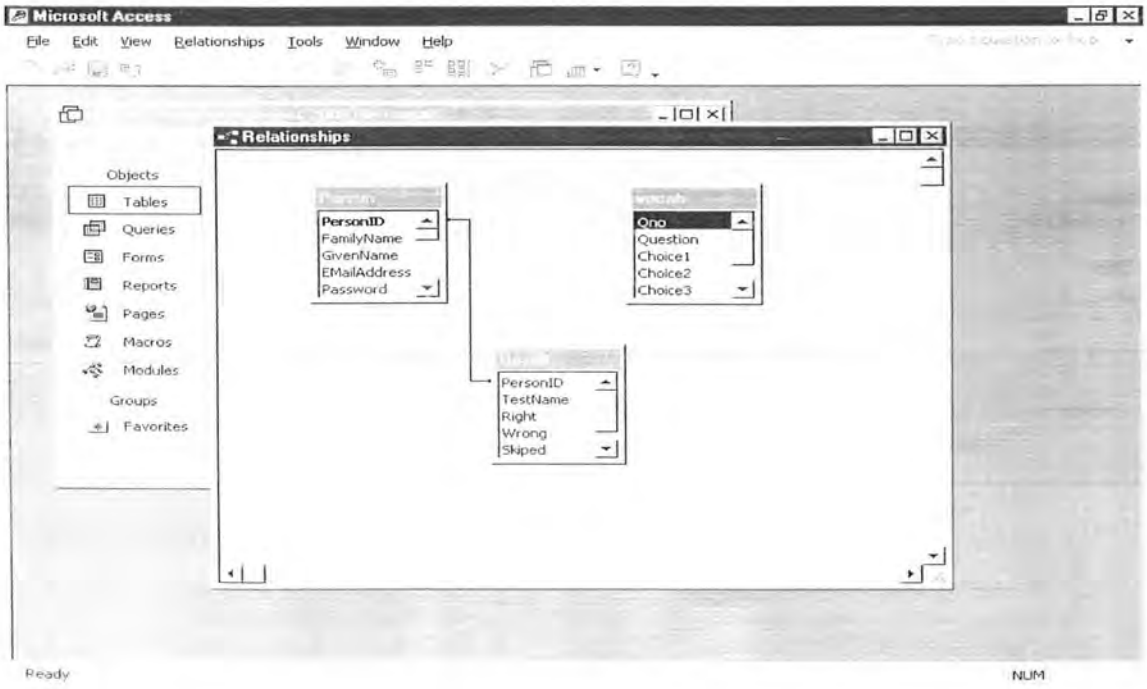
An Entity Relationship Model (E-R Model) is a detailed, logical representation of data for an application or an organization. E-R model is expressed in terms of entities in the application or organization, the relationships (or associations) among those entities, and the attributes (properties) of both the entities and their relationships. An E-R model is normally expressed as an Entity Relationship Diagram (E-R Diagram), which is graphical representation of an E-R Model. The E-R Diagram of my web application database is shown below:



In the above picture following are the three main entities as under:

1. User: The user or the member is the person who gives the test and gets the results.
2. Tests: Different tests are designed for the user which are the main purpose of this application.
3. Results: It contain the record of all the tests given by a user.

Following is the picture of the database model and their relation in the Access:



4.3 Tables of the database:

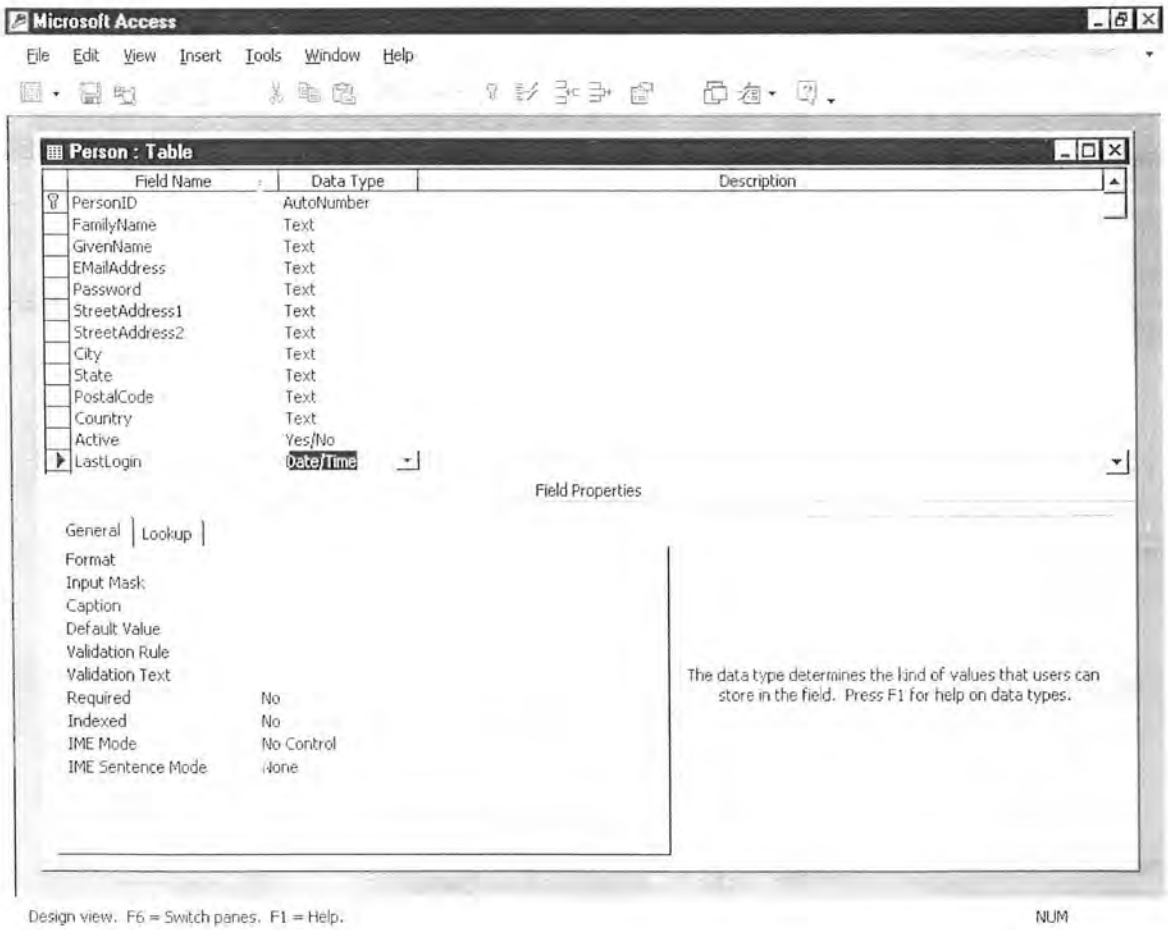
Considering the above entities we have following tables in the database which are created in the similar way as mentioned in chapter 3.

1. Person Table:

Person table is used to store all the personal data of the user or member giving the test. Every Person have unique identification key which is automatically generated by Access. Also their email address is unique which can't be repeated. The detail Structure of Person Table is given below along with its design picture:

Field Name	Data Type	Description
PersonID	Long	System generated Unique No.
FamilyName	Text	Required
GivenName	Text	Required
EmailAddress	Text	Used for logging to the Application for giving the test.
Password	Text	Required to prove the identity.
SecretQst	Text	Required in case to find the forgot password.
SecretAns	Text	Required in case to find the forgot password.
StreetAddress1	Text	Required.
StreetAddress2	Text	Optional

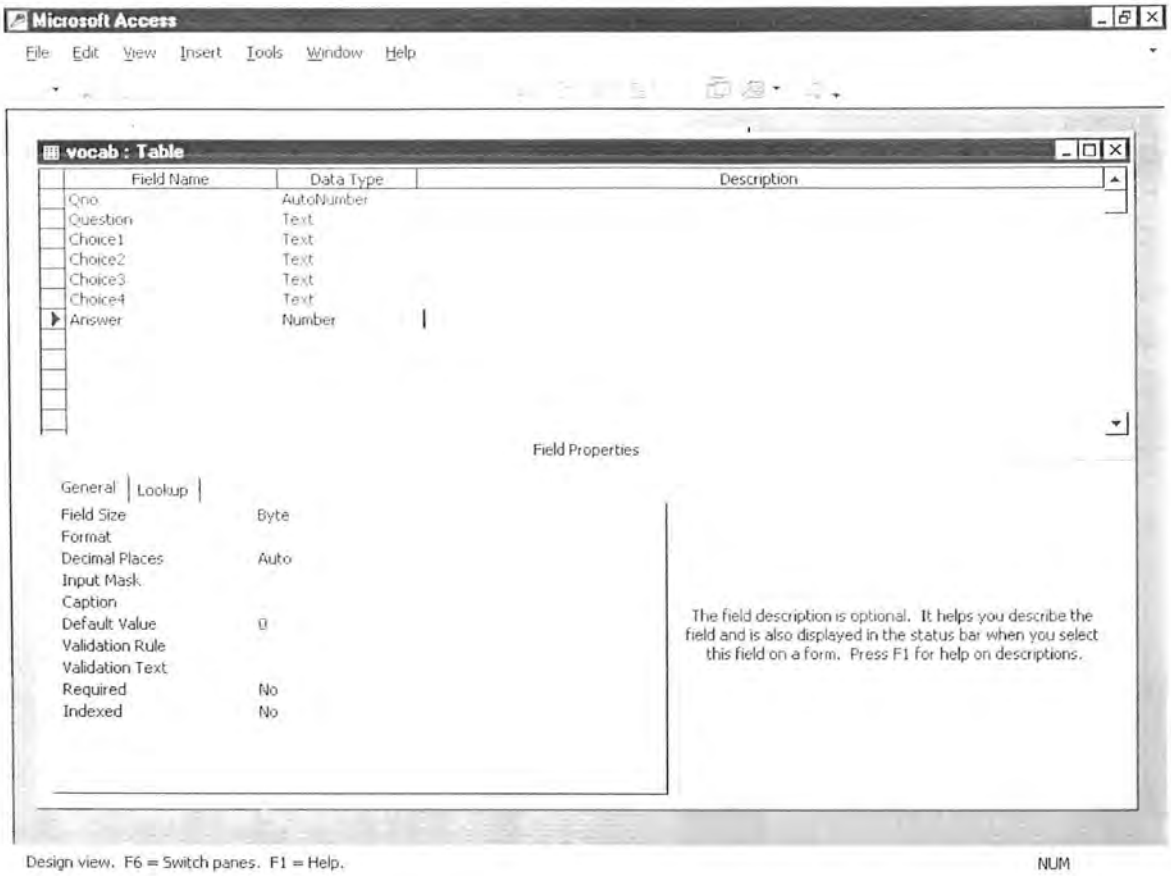
City	Text	Required.
State	Text	Required.
PostalCode	Text	Required.
Country	Text	Required.
Active	Boolean	Flag indicating the user is currently an active user
LastLogin	Date/Time	Data and time of the last time user logged to the application.



2. Test Table:

There are different test tables used for each different test. The design of each table is the same. Which contain following fields:

Filed Name	Data Type	Description
Qno	Long	Auto generated no for each different question.
Question	Text	Contains the Question for the test.
Choice1	Text	Answer Choice.
Choice2	Text	Required.
Choice3	Text	Required.
Choice4	Text	Required.
Answer	Byte	Contain the correct answer of the above given four choices.

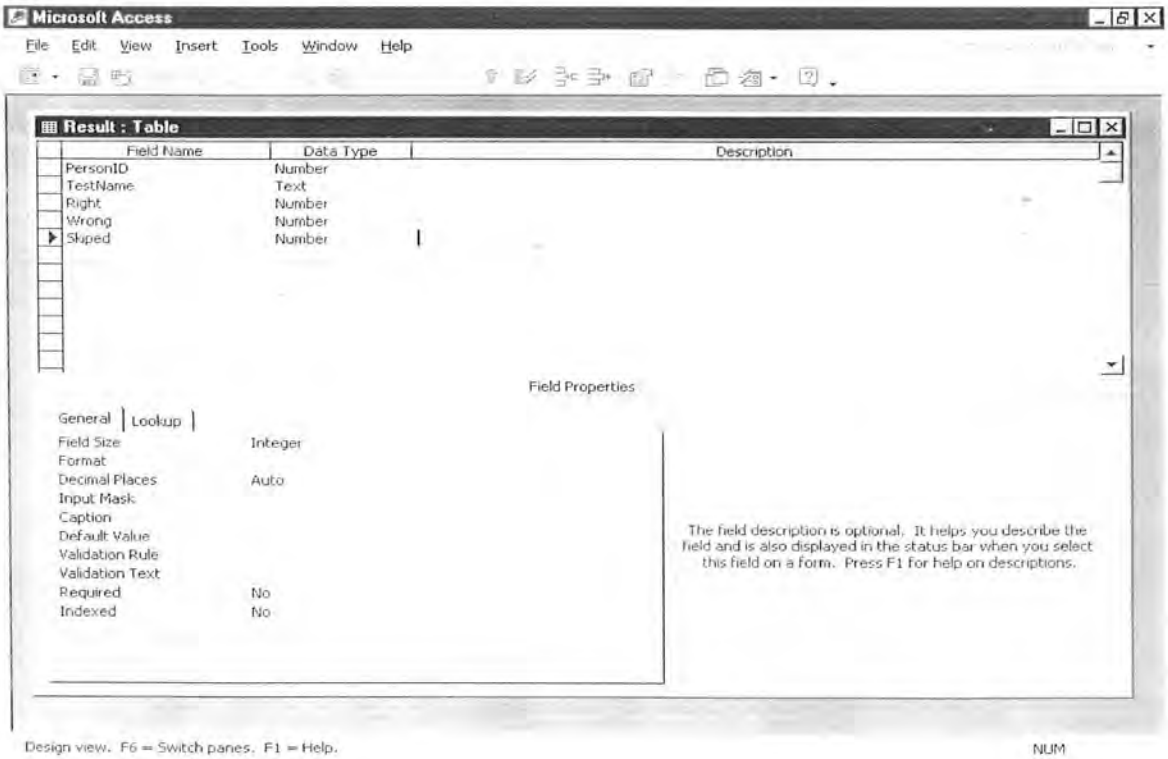


For creating each new table of different test select any old test table right click it and select copy and then click any where and right click and select paste option you will be asked for the name of the new table give the name and select the option structure only and click ok. A new table will be created with the given name so just feed the data into it.

3. Results:

The result table maintain the record of the different tests of the users which have given the test. If contain the following fields.

Filed Name	Data Type	Description
PersonID	Long	Used in relation with the Person Table which contain the ID of person given the test.
Test Name	Text	Contain the name of the test person given
Right	Integer	Stores the no. of rights answers in a test
Wrong	Integer	Stores the no. of wrong answers in a test.
Skipped	Integer	Stores the no. of Skipped questions in a test.

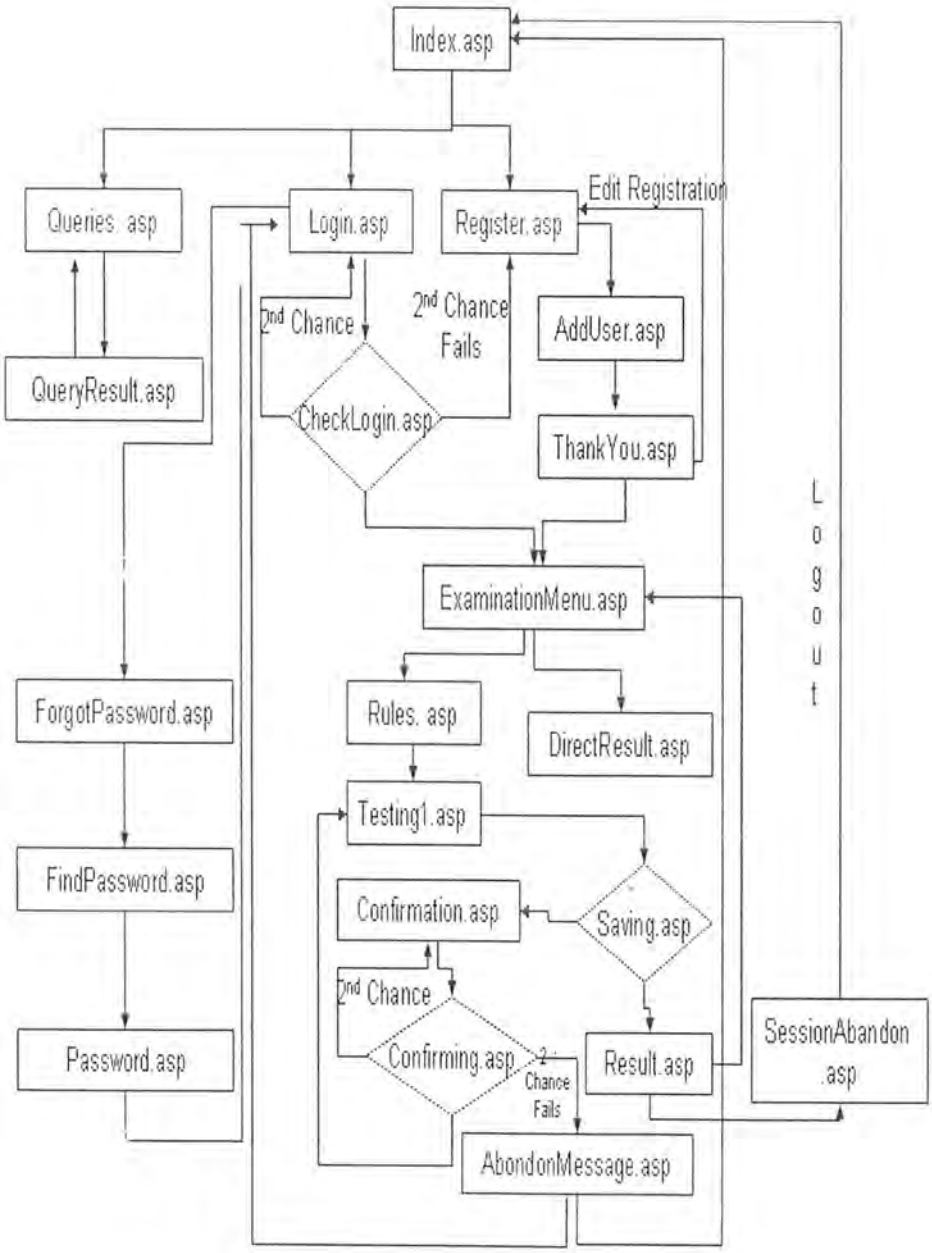


Chapter 5

Project Codes

PROJECT CODES

5.1 Project Map:



5.2 Different Pages and their Description:

Page	Purpose
Index.asp	Home page gives general introduction and provides link for Login and Registration. It uses Welocme.htm file and Indtroduction.asp files.
Welocme.htm	This page is used by index page and it displays a marquee of " Welcome to online examination system"
Indtroduction.asp	This page is also used by index.asp and it gives the general introduction about the project designer and its supervisor.
Connection.asp	This page establishes the connection with the database and have no user interface but is used to include its code in all other pages where database connectivity is required.
Login.asp	Enables registered user to give email address and password to go to personal page.
CheckLogin.asp	Checks weather the email and password provided is valid or not. If valid it goes to personal page otherwise it gives second chance for Login. If second chance fails than it directs to the registration page.
ForgotPassword.asp	This page will help in finding the password. It will ask the email from the student so as to find his secret question.
FindPassword.asp	This page will retrieve the secret question from the database and displays it so as to get the secret answer from the student.

This will help in retrieving the password.

Password.asp This page will check weather the supplied secret answer is correct or not. If correct it will display the password to the student.

Register.asp It contains the forms through which new user gives some information so as to register himself. It is also used to edit the information of existing users.

AddUser.asp It connects to the database of access and stores the information provided from registration page. This page has no user interface.

ThankYou.asp It gives the confirmation that the user has been added to the database and also if user has edit his information it gain gives editing confirmation and thirdly it provides link for editing the registered information and to the Personal page (i.e. ExaminationMenu.asp)

ExaminationMenu.asp It is the personal page to the user where he gets the link to different tests and results. Also he can go to editing personal information page and can logout.

DirectResult.asp It shows the result of the previous tests given by the user.

Rules.asp Before proceeding to the test it gives the general instruction about the test to the user. It is also connected to the database so as to check that weather user has already given the test or not if it has already given the test he has requested than this page directs him to the DirectResult.asp

Testing1.asp It contains the test user want to give. This page consist of 5 questions with four multiple choices. It also displays the time and when the time expires it automatically directs the page to the saving.asp

Saving.asp This page is connected to the database and to the table of particular test. It contains the logic which checks the result from the database and calculates the score accordingly. Then it directs to the identity confirmation page. If the questions are completed than it directs to the result page.

Confirmation.asp This page will confirm the identity by asking the question from the data provided by the user at the time of registration so as to check weather the person giving the test is the right person or not.

Confirming.asp This page is connected to the database which checks the answer provided by the test giver weather it is right or wrong. If the answer matches than the user is taken to the testing1.asp page for further questions otherwise he is given second chance and if the second chance fails then the user is logged out.

AbandonMessage.asp If the identity does not matches in the confirming page then user is taken to this page which gives the message to the user about invalidity of the person logged in.

Result.asp This page after completion of the test gives the result to the user that of how many question he gave correct answers how many were wrong and how many he skipped by not giving the answer. It also provides the link for logging out of the personal

page or going to the main menu of the page.

SessionAbandon.asp If the person logs out than he is directed to the this page which deletes the session maintained with the user and takes him to the main page.

Queries.asp This page will display different queries to the teachers. Who will give some information and will get the result.

QueryResult.asp This page will display the result of query asked by the teacher.

5.3 Coding of each Page:

5.3.1 Index.asp:

```
<html>
<head>
<title>Online Examination System</title>
</head>
<frameset framespacing="0" border="0" frameborder="0" rows="64,*">
 <frame name="header" scrolling="no" noresize target="main" src="Welcome.htm">
 <frame name="main" src="Introduction.asp" scrolling="auto">
 <noframes>
 <body>
 <p>This page uses frames, but your browser doesn't support them.</p>
 </body>
 </noframes>
</frameset>
</html>
```

5.3.2 Introduction.asp

```
<BASEFONT FACE="Comic Sans MS" COLOR="DarkBlue">
<html>
<head>
<title>Online Examination system</title>
</head>
<BODY BGCOLOR="#FFFF80">
<p align="justify"><font size="6">This project is developed by Vinod Kumar
Ahuja, in the partial fulfillment of PGD (Computer Science), Quaid-e-Azam
University, Islamabad under the Supervision of Mr. Javed Hussain. </font></p>
<h2 align="left"> </h2>
<h2 align="center">Registered user <a href="login.asp">
login</a></h2><p align="center"> </p>
<center>
<center>
<h2>New User  <a href="Register.asp">
Registration</a></h2>
</center>
</center>
<p> </p>
</body>
</html>
```

5.3.3 Welcome.htm

```
<html>
<BASEFONT FACE="Comic Sans MS" COLOR="DarkBlue">
<head>
<title>Online Examination System</title>
```

```
<base target="contents">
</head>
<BODY BGCOLOR="#FFFF80" style="border-bottom-style:solid; border-bottom-width:3">
<p align="center"><font size="6">
<marquee behavior="alternate">Welcome to the Online Exam System</marquee></font></p>
</body>
</html>
```

5.3.4 Connection.asp

```
<!-- METADATA TYPE="typelib"
        FILE="c:\Program Files\Common Files\System\ado\msado15.dll" -->
<%
 ' creating connection with database
 Dim objConn
 Set objConn = Server.CreateObject("ADODB.Connection")
 objConn.Open "Provider=Microsoft.Jet.OLEDB.4.0; " & _
          "Data Source= E:\asp 3 book\final\papers.mdb"

 If Session("blnValidUser") = True and Session("PersonID") = "" Then
   Dim rsPersonIDCheck
   Set rsPersonIDCheck = Server.CreateObject("ADODB.Recordset")
   Dim strSQL
   strSQL = "SELECT PersonID FROM Person " & _
        "WHERE EMailAddress = '" & Session("EMailAddress") & "';"
   rsPersonIDCheck.Open strSQL, objConn
   If rsPersonIDCheck.EOF Then
     Session("blnValidUser") = False
   Else
     Session("PersonID") = rsPersonIDCheck("PersonID")
   End If
   rsPersonIDCheck.Close
   Set rsPersonIDCheck = Nothing
 End If
%>
```

5.3.5 Login.asp:

```
<BASEFONT FACE="Comic Sans MS" COLOR="DarkBlue">
<HTML>
<HEAD>
<TITLE>Online Examination system</TITLE>
</HEAD>

<BODY BGCOLOR="#FFFF80">
<CENTER><H1>Login</H1></CENTER>
```

```
<P>
      
<%
' User's second attempt at logging in
 If Request("SecondTry") = "True" Then
  If Request("WrongPW") = "True" Then
   Response.Write "Invalid Password. Please try again: " & _
            "if you get it wrong we'll ask you to re-register.<BR>"
  Else
   Response.Write "E-Mail Address not found. Please try again: " & _
            "if you get it wrong we'll ask you to re-register.<BR>"
  End If
 End If
 Response.Write "Please enter your e-mail address and password " & _
          "to login to the system."
%>    

<FORM ACTION="CheckLogin.asp<% If Request("SecondTry")="True" Then
                    Response.Write "?SecondTry=True"
                    End If %>" METHOD="POST">
 <TABLE BORDER=0>
  <TR>
   <TD>      E-Mail Address:</TD>
   <TD><INPUT TYPE="Text" NAME="email"
     <% If Request("SecondTry") = "True" then %>
      VALUE="<%= Session("EMailAddress") %>"
     <% End If %>
     SIZE="40"></TD>
  </TR>
  <TR>
   <TD>      Password:</TD>
   <TD><INPUT TYPE="Password" NAME="Password" SIZE="40"></TD>
  </TR>
  <TR>
   <TD></TD>
   <TD align=center> </TD>
  </TR>
  <TR>
   <TD> </TD>
   <TD align=center>    <INPUT TYPE="Submit"
VALUE="Login">  
              <INPUT TYPE="RESET"></TD>
  </TR>
  <TR>
   <TD> </TD>
   <TD align=center> </TD>
  </TR>
 </TABLE>
</FORM>

<TABLE BORDER=0 WIDTH=100%>
```

```
 <TR ALIGN=CENTER>
  <TD WIDTH=33%>
  <p
align="left">                     
   <a href="Introduction.asp">Home Page</a></TD>
   <TD WIDTH=33%>
   <p align="left">     <A HREF="Register.asp">I'm a new
user</A></TD>
  </TR>
</TABLE>

</BODY>
</HTML>
```

5.3.6 CheckLogin.asp

```
<!--#include file="Connection.asp"-->
<%
 Dim strEMail, strPassword
 strEMail = Request("EMail")
 strPassword = Request("Password")

 Dim rsUsers
 set rsUsers = Server.CreateObject("ADODB.Recordset")
 strSQL = "SELECT * FROM Person WHERE EMailAddress = '" & strEMail & "';"
 rsUsers.Open strSQL, objConn

 If rsUsers.EOF Then                                    ' User not found
  Session("EMailAddress") = Request("EMail")
  If Request("SecondTry") = "True" then                 ' User's had two goes
   Response.Redirect "register.asp?NotFound=True"       ' - must register
  Else                                  ' Username wrong; password wrong
   Response.Redirect "login.asp?SecondTry=True"         ' - allow another go
  End If
 Else                                  'One or more users found - check password
  While Not rsUsers.EOF
   If UCase(rsUsers("Password")) = UCase(strPassword) Then    ' password matched
    Dim strName, strValue
    For Each strField in rsUsers.Fields
     strName = strField.Name                    ' populate session variables
     strValue = strField.value
     Session(strName) = strValue
     Session("PersonID") = rsUsers("PersonID")
    Next
    Session("blnValidUser") = True
    Response.Redirect "ExaminationMenu.asp"     ' successful login
   Else
    rsUsers.MoveNext
```

```
    End If
  Wend
  Session("EMailAddress") = Request("EMail")        ' if we get this far then...
                            ' ...password doesn't match any of DB entries

  If Request("SecondTry") = "True" then                  ' User's had two goes
    Response.Redirect "register.asp"                     ' - must reregister
  Else                                    ' Username right; password wrong
    Response.Redirect "login.asp?SecondTry=True&WrongPW=True"
                                          '- allow another go
  End If
 End If
%>
```

5.3.7 ForgotPassword.asp

```
<BASEFONT FACE="Comic Sans MS" COLOR="DarkBlue">
<HTML>
<HEAD>
<TITLE>Online Examination system</TITLE>
</HEAD>

<BODY BGCOLOR="#FFFF80">
<p align="center"><font size="6">Forgot Your Password </font></p>
<form method="POST" action="findpassword.asp">
 </font></p>
 <p align="left"><font size="4">       
 Write your email address and click submit to find the password</font></p>
 <p align="left"><font size="4">        Email
Address 
 <input type="text" name="Email" size="30"></font></p>
 <p align="left">       
 <input type="submit" value="Submit"
name="B1">            
 <input type="reset" value="Reset" name="B2"></p>
</form>
```

5.3.8 Findpassword.asp

```
<!--#include file="Connection.asp"-->
<HTML>
<HEAD>
<TITLE>Online Examination System</TITLE>
<BASEFONT FACE="Comic Sans MS" COLOR="darkblue">
<BODY BGCOLOR="#ffff80">

<%
' opening the database
Dim objRS, Criteria
```

```
Set objRS = Server.CreateObject("ADODB.Recordset")
objRS.Open "Person", objConn, adOpenStatic, adLockReadOnly, adCmdTable
Criteria = "EMailAddress='" & Request.Form("Email") & "'"
objRS.Filter = Criteria
If Not objRS.EOF Then
        response.Write "Your secret question is " & objRS("SecretQst") & "<br>"
        response.Write "<form method=post action=password.asp>" & _
                        "Your Secret Answer is <input type=text name=SecretAns
size=20></p>" & _
                        "<p>       " & _
                        "<input type=Hidden value='" & Request.Form("Email") & "'
Submit name=Email>" & _
                        "<input type=submit value=Submit name=B1>" & _
                        "       " & _
                        "<input type=reset value=Reset name=B2></p> " & _
                        "</form>"
else
        response.Write "<br><center><h1><b>" &  "No record exits" &
"</b></h1></center><br>"
end if
%>
<p align="center">
<a href="Introduction.asp">Home Page</a>    <font
color="#00008B">           &nb
sp; 
<a href="Login.asp">Login</a><font
color="#00008B">           &nb
sp;     
</font>
 </p>
</BODY></HTML>
```

5.3.9 Password.asp

```
<!--#include file="Connection.asp"-->
<HTML>
<HEAD>
<TITLE>Online Examination System</TITLE>
<BASEFONT FACE="Comic Sans MS" COLOR="darkblue">
<BODY BGCOLOR="#ffff80">

<%
' opening the database
Dim objRS, Criteria
Set objRS = Server.CreateObject("ADODB.Recordset")
strSQL = "SELECT Password FROM Person " & _
         "WHERE EMailAddress = '" & Request.Form("EMail") & "'" & _
         "And  SecretAns = '" & Request.Form("SecretAns") & "';"
ObjRs.Open strSQL, objConn
If Not objRS.EOF Then
```

```
        response.Write "<br><center><h1><b>" & "Your Password is " & objRS("Password") &
"</b></h1></center><br>"
else
        response.Write "<br><center><h1><b>" &  "Secret Answer was Wrong" &
"</b></h1></center><br>"
end if

%>
<p align="center">
<a href="Introduction.asp">Home Page</a>    <font
color="#00008B">          &nb
sp; 
<a href="Login.asp">Login</a><font
color="#00008B">          &nb
sp;     
</font>
 </p>
</BODY></HTML>
```

5.3.10 Register.asp

```
<BASEFONT FACE="Comic Sans MS" COLOR="DarkBlue">
<HTML>
<HEAD>
<SCRIPT language="JavaScript">
<!--
  function VerifyData()
  {
        if (document.frmUser.email.value == "")
    {
     alert ("Please enter the Email");
     return false;
    }
    else if (document.frmUser.GivenName.value == "")
    {
     alert ("Please enter the Given Name");
     return false;
    }
    else if (document.frmUser.FamilyName.value == "")
    {
     alert ("Please enter the FAmily Name");
     return false;
    }
    else if (document.frmUser.Address1.value == "")
    {
     alert ("Please enter the Address");
     return false;
    }
    else if (document.frmUser.City.value == "")
    {
```

```
    alert ("Please enter the City");
    return false;
  }
  else if (document.frmUser.State.value == "")
  {
    alert ("Please enter the State");
    return false;
  }
  else if (document.frmUser.PostalCode.value == "")
  {
    alert ("Please enter the Postal Code");
    return false;
  }
  else if (document.frmUser.Country.value == "")
  {
    alert ("Please enter the Country");
    return false;
  }
  else if (document.frmUser.Password.value == "")
  {
    alert ("Please enter the Password");
    return false;
  }
  else if (document.frmUser.VerifyPassword.value == "")
  {
    alert ("Please verify the password");
    return false;
  }
        else if (document.frmUser.Password.value != document.frmUser.VerifyPassword.value)
  {
    alert ("Your passwords do not match - please reenter");
    return false;
  }
  else
    return true;
  }
-->
</SCRIPT>

<TITLE>Online Examination System - User Registration</TITLE>
</HEAD>
<BODY BGCOLOR="#FFFF80">
<CENTER>
<%
 If Request("Update") = "True" Then
   Response.Write "<H1>Online Examination System<BR> Update User Registration</H1>"
 Else
   Response.Write "<H1>Online Examination System<BR> New User Registration</H1>"
 End If
%>
</CENTER>
```

```
<%
 If Request("Update") = "True" Then
  Response.Write "Please change your registration information as listed below<P>"
 Else
  If Request("NotFound") = "True" Then
   Response.Write "<I>We were unable to locate your information. " & _
            "Please take the time to register again.</I><P>"
  Else
   Response.Write "<CENTER>(If you're already registered with us, " & _
            "then click the 'Login' link below.)</CENTER><P>"
  End If
  Response.Write "use the following refernes to continue "
 End If
%>

<FORM Action="<% if Request("Update")= "True" then
                                        response.Write "AddUser.asp?Update=True"
                                else
                                        response.Write "AddUser.asp"
                                end if %>"
        NAME="frmUser" METHOD="POST"
        onSubmit="return VerifyData()">
 <TABLE BORDER=0 height="533">
  <TR>
   <TD WIDTH=20% ROWSPAN=11 height="334"> </TD>
   <TD height="23">E-Mail Address:</TD>
   <TD height="23"><INPUT TYPE="Text" NAME="email" VALUE="<%=
Session("EMailAddress")%>"
       SIZE="40"></TD>
  </TR>
  <TR>
   <TD height="23">Given Name:</TD>
   <TD height="23"><INPUT TYPE="Text" NAME="GivenName" VALUE="<%=
Session("GivenName")%>"
       SIZE="40"></TD>
  </TR>
  <TR>
   <TD height="23">Family Name:</TD>
   <TD height="23"><INPUT TYPE="Text" NAME="FamilyName" VALUE="<%=
Session("FamilyName")%>"
       SIZE="40"></TD>
  </TR>
  <TR>
   <TD height="23">Address:</TD>
   <TD height="23"><INPUT TYPE="Text" NAME="Address1" VALUE="<%=
Session("StreetAddress1")%>"
       SIZE="40"></TD>
  </TR>
  <TR>
   <TD height="22"></TD>
```

```
    <TD height="22"><INPUT TYPE="Text" NAME="Address2" VALUE="<%=
Session("StreetAddress2")%>"
        SIZE="40"></TD>
   </TR>
   <TR>
    <TD height="23">City:</TD>
    <TD height="23"><INPUT TYPE="Text" NAME="City" VALUE="<%=
Session("City")%>"
        SIZE="40"></TD>
   </TR>
   <TR>
    <TD height="23">State:</TD>
    <TD height="23"><INPUT TYPE="Text" NAME="State" VALUE="<%=
Session("State")%>"
        SIZE="40"></TD>
   </TR>
   <TR>
    <TD height="23">Postal Code:</TD>
    <TD height="23"><INPUT TYPE="Text" NAME="PostalCode" VALUE="<%=
Session("PostalCode")%>"
        SIZE="40"></TD>
   </TR>
   <TR>
    <TD height="23">Country:</TD>
    <TD height="23"><INPUT TYPE="Text" NAME="Country" VALUE="<%=
Session("Country")%>"
        SIZE="40"></TD>
   </TR>
   <TR>
    <TD height="65"> <P>Password:</TD>
    <TD VALIGN=bottom height="65"><INPUT TYPE="Password" NAME="Password"
              VALUE="<%= Session("Password") %>" SIZE="40"></TD>
   </TR>
   <TR>
    <TD height="23">Verify Password:</TD>
    <TD height="23"><INPUT TYPE="Password" NAME="VerifyPassword"
SIZE="40"></TD>
   </TR>
    <TR>
    <TD WIDTH=20% height="86" colspan="3">Other Optional Information</TD>
   </TR>
    <TR>
    <TD WIDTH=20% ROWSPAN=9 height="239"> </TD>
    <TD height="23">Place of Birth:</TD>
    <TD height="23"><INPUT TYPE="Text" NAME="BirthPlace" VALUE="<%=
Session("BirthPlace")%>"
        SIZE="40"></TD>
   </TR>
   <TR>
    <TD height="23">Date of Birth:</TD>
```

```
    <TD height="23"><INPUT TYPE="Text" NAME="BirthDate" VALUE="<%=
Session("BirthDate")%>"
        SIZE="40"></TD>
   </TR>
   <TR>
    <TD height="23">Mother Name:</TD>
    <TD height="23"><INPUT TYPE="Text" NAME="MotherName" VALUE="<%=
Session("MotherName")%>"
        SIZE="40"></TD>
   </TR>
   <TR>
    <TD height="23">Favorite Subject:</TD>
    <TD height="23"><INPUT TYPE="Text" NAME="FavoriteSubject" VALUE="<%=
Session("FavoriteSubject")%>"
        SIZE="40"></TD>
   </TR>
   <TR>
    <TD height="23">Hobby:</TD>
    <TD height="23"><INPUT TYPE="Text" nAME="Hobby" VALUE="<%=
Session("Hobby")%>"
        SIZE="40"></TD>
   </TR>
   <TR>
    <TD height="23">Favorite Sports:</TD>
    <TD height="23"><INPUT TYPE="Text" NAME="FavoriteSport" VALUE="<%=
Session("FavoriteSport")%>"
        SIZE="40"></TD>
   </TR>
   <TR>
    <TD height="23">Favorite Site:</TD>
    <TD height="23"><INPUT TYPE="Text" NAME="FavoriteSite" VALUE="<%=
Session("FavoriteSite")%>"
        SIZE="40"></TD>
   </TR>
   <TR>
    <TD height="23">Favorite Author:</TD>
    <TD height="23"><INPUT TYPE="Text" NAME="FavoriteAuthor" VALUE="<%=
Session("FavoriteAuthor")%>"
        SIZE="40"></TD>
   </TR>
   <TR>
    <TD height="23">Favorite Book:</TD>
    <TD height="23"><INPUT TYPE="Text" NAME="FavoriteBook" VALUE="<%=
Session("FavoriteBook")%>"
        SIZE="40"></TD>
   </TR>
   <TR>
    <TD height="51"></TD>

    </TD>
    <TD ALIGN=CENTER COLSPAN=2 height="51"><BR>
```

```
      <INPUT TYPE="Submit" VALUE="Submit Registration">
          <INPUT TYPE="RESET"></TD>
   </TR>
 </TABLE>
</FORM>

<HR>
<TABLE BORDER=0 WIDTH=100%>
 <TR ALIGN=CENTER>
  <TD WIDTH=33%><A HREF="Login.asp">Login</A></TD>
  <TD WIDTH=33%><a href="Introduction.asp">Home Page</a></TD>
 </TR>
</TABLE>

</BODY>
</HTML>
```

5.3.11 AddUser.asp

```
<!--#include file="Connection.asp"-->
<%
 Dim rsUsers
 Set rsUsers = Server.CreateObject("ADODB.Recordset")
 rsUsers.Open "Person", objConn, adOpenForwardOnly, adLockOptimistic, adCmdTable

 If Session("PersonID") <> "" Then                    ' currently logged-on user
  rsUsers.Filter = "PersonID = " & Session("PersonID") & ""
 Else                                                 ' New session
  rsUsers.Filter = "EMailAddress = '" & Request.Form("email") & "' & _
           "AND Password = '" & Request.Form("password") & "'
  If rsUsers.EOF Then                                 ' User not found
   rsUsers.AddNew                                     ' ...so add a new record
' Else
'  Email address and password matched with DB records -
'  In this case we'll allow this to update user's personal details
  End If
 End If
' write personal details to record
 rsUsers("EMailAddress") = Request.Form("email")
 rsUsers("Password") = Request.Form("password")
 rsUsers("FamilyName") = Request.Form("FamilyName")
 rsUsers("GivenName") = Request.Form("GivenName")
 rsUsers("StreetAddress1") = Request.Form("Address1")
 rsUsers("StreetAddress2") = Request.Form("Address2")
 rsUsers("City") = Request.Form("City")
 rsUsers("State") = Request.Form("State")
 rsUsers("PostalCode") = Request.Form("PostalCode")
 rsUsers("Country") = Request.Form("Country")
 rsUsers("Active") = True
 rsUsers("LastLogin") = Now
```

```
rsUsers("BirthPlace") = Request.Form("BirthPlace")
rsUsers("BirthDate") = Request.Form("BirthDate")
rsUsers("MotherName") = Request.Form("MotherName")
rsUsers("FavoriteSubject") = Request.Form("FavoriteSubject")
rsUsers("Hobby") = Request.Form("Hobby")
rsUsers("FavoriteSport") = Request.Form("FavoriteSport")
rsUsers("FavoriteSite") = Request.Form("FavoriteSite")
rsUsers("FavoriteAuthor") = Request.Form("FavoriteAuthor")
rsUsers("FavoriteBook") = Request.Form("FavoriteBook")
rsUsers.Update                                  ' update the database

Dim strName, strValue                           ' create session variables
For each strField in rsUsers.Fields
  strName = strField.Name
  strValue = strField.value
  Session(strName) = strValue
Next
Session("blnValidUser") = True          ' declare that current user is validated
if Request("Update")= "True" then
        Response.Redirect "ThankYou.asp?Update=True"
else
        Response.Redirect "ThankYou.asp"
end if
%>
```

5.3.12 ThankYou.asp

```
<%
 If Session("PersonID") = "" Then
   Response.Redirect "Login.asp"
 End If
%>

<BASEFONT FACE="Comic Sans MS" COLOR="DarkBlue">
<HTML>
<HEAD>
<TITLE>Online Examination System</TITLE>
</HEAD>

<BODY BGCOLOR="#FFFF80">
<CENTER><H1>Online Examination System<BR>Registered Users' Menu</H1>
<H3>Welcome Mr. <%= Session("GivenName") %></H1>
</CENTER><P>
<% if Request("Update")= "True" then
response.Write "Your Information has been Updated."
else
        response.Write "Thank you for registering Online Examination System site."
end if
%>
<HR>
```

```
<TABLE BORDER=0 WIDTH=100%>
 <TR ALIGN=CENTER>
  <TD WIDTH=33%><A HREF="Register.asp?Update=True">Edit Registration
Info</A></TD>
  <TD WIDTH=33%><A HREF="ExaminationMenu.asp">Examination Menu</A></TD>
 </TR>
</TABLE>
</BODY>
</HTML>
```

5.3.13 ExaminationMenu.asp

```
<%
' checking weather a person is properly login or not
if Session("GivenName")="" then
response.Redirect "DirectLogin.asp"
end if
%>
<BASEFONT FACE="Comic Sans MS" COLOR="DarkBlue">
<HTML>
<HEAD>
<TITLE>Online Examination System</TITLE>
</HEAD>
<BODY BGCOLOR="#FFFF80">
<CENTER><H1>Online Examination System<BR>Registered Users' Menu</H1>
<H3>Welcome Mr.<%= Session("GivenName") %></H1>
<p>Click on the link below for the choice of your test</p>
<TABLE BORDER=0 WIDTH=100%>
 <TR ALIGN=CENTER>
  <TD WIDTH=33%>
  <A HREF="Rules.asp?TestName=Vocab">
  Vocabulary Test</A>
  <br><br>
  <A HREF="Rules.asp?TestName=Computer">
  Computer General Knowledge Test</A>
  <br><br>
  <A HREF="DirectResult.asp">
  Results of Your Pervicus Tests</A> 
  <p><a href="Register.asp?Update=True">Edit Registration Info</a><p>
  <a href="SessionAbandon.asp">LogOut</a></TD>
  </TR>
</TABLE>
</BODY>
</HTML>
```

5.3.14 DirectResult.asp

```
<!--#include file="Connection.asp"-->
<BASEFONT FACE="Comic Sans MS" COLOR="DarkBlue">
<HTML>
```

```
<HEAD>
<TITLE>Online Examination System</TITLE>
</HEAD>
<BODY BGCOLOR="#FFFF80">
<CENTER>
<H1>Mr. <%= Session("GivenName") %> <br>
<%
' test was already given so displaying the message
if request("Given")= "True" then
response.Write " The test you have requestest is already given by you."
end if
%>
 The record of your different test's and  result is shown below</H1>
<%
' opening the database
Dim objRS, Criteria
Set objRS = Server.CreateObject("ADODB.Recordset")
objRS.Open "Result", objConn, adOpenStatic, adLockReadOnly, adCmdTable
' Filtering the records of the Person and displaying them
Criteria = "PersonID = " & Session("PersonID")
objRS.Filter = Criteria
If Not objRS.EOF Then
        Response.Write "<TABLE BORDER=1><TR><TD><B>Test Name  </B>" & _
        "</TD><TD><B>Right Answers </B></TD><TD><B>Wrong Answers </B></TD>" &
_
        "<TD><B>Skiped Questions </B></TD></TR>"
    While Not objRS.EOF
     Response.Write "<TR><TD>" & objRS("TestName") & "</TD>" & _
                "<TD>" & objRS("Right") & "</TD>" & _
                "<TD>" & objRS("Wrong") & "</TD>" & _
                "<TD>" & objRS("Skiped") & "</TD></TR>" & _
     objRS.MoveNext
    Wend
    Response.Write "</TABLE>"
End If
Set objRS = Nothing
Set objConn = Nothing
%>
</CENTER>
<br><br>            
             &
nbsp;            &n
bsp; 
<a href="ExaminationMenu.asp">Main
Menu</a>            
;          
<a href="SessionAbandon.asp">Logout</a>

</body>
</Html>
```

5.3.15 Rules.asp

```
<!--#include file="Connection.asp"-->
<%
'opening database
Dim objRS
Set objRS = Server.CreateObject("ADODB.Recordset")
strSQL = "SELECT TestName FROM Result WHERE PersonID = " & Session("PersonID") &
";"
objRS.Open StrSQL, objConn
' checking weather test is already given or not
if objRs.EOF then
        response.Write ""
else if objRS("TestName")= Request("TestName") then
        response.Redirect "DirectResult.asp?Given=True"
else
        While Not objRS.EOF
                if objRs("TestName")= Request("TestName") then
                response.Redirect "DirectResult.asp?Given=True"
                else
                objRS.MoveNext
                end if
        wend
end if
end if
' closing the connection of database
objRs.Close
objConn.Close
Set objRs = Nothing
Set objConn = Nothing
%>
<BASEFONT FACE="Comic Sans MS" COLOR="DarkBlue">

<html>

<head>
<meta http-equiv="Content-Language" content="en-us">
<meta name="GENERATOR" content="Microsoft FrontPage 5.0">
<meta name="ProgId" content="FrontPage.Editor.Document">
<meta http-equiv="Content-Type" content="text/html; charset=windows-1252">
<title>New Page 1</title>
</head>

<BODY BGCOLOR="#FFFF80">

<p align="center"><font size="7">General Rules of the Test</font></p>
<p><font size="6">Please read the following rules before giving the test.</font></p>
<ol>
  <li>Test Comprises of 15 questions.</li>
  <li>Five questions will be displayed in each page.</li>
```

```
<li>Each question comprises of four choices and you have to select one for
each question. </li>
<li>Total time allotted for each page is 3 minutes after that you will be
forwarded to the next page of the test.</li>
<li>If you didn't submit your answers on time than all the answers will be
treated as skipped. So give your answer before the time finishes.</li>
<li>After completing the test result will be displayed at the end.</li>
<li>If you will be disconnected from the net than the answer you submitted
will not be added to the result. So maintain proper connection to the
internet. </li>
<li>Now relax and click on the link below to proceed to the test when you are
ready.</li>
</ol>
<%
' writting the test name is session variable so as to be used in next page.
if Request("TestName")="Vocab" then
        Session("TestName")= "Vocab"
else
        Session("TestName")= "Computer"
end if
%>

<p align="center"><font size="5"><a href="TESTING1.ASP">Click here to start the
test.</a></font></p>
<p>  </p>

</body>

</html>
```

5.3.16 Testing1.asp

```
<%
' checking weather user is properly signed in or not
if Session("GivenName")="" then
response.Redirect "DirectLogin.asp"
end if
%>


<BASEFONT FACE="Comic Sans MS" COLOR="DarkBlue">
<!--#include file="Connection.asp"-->
<html>
<head>
<title>form</title>

<SCRIPT LANGUAGE="Javascript"><!--
      var x = 9
      var y = 1
      function startClock()
```

```
    }
    x = x-y
    document.form.clock.value = x
    setTimeout("startClock()", 1000)
    if(x==0){
    //alert("BOOM");
    window.location="saving.asp";
    x=10;
      }
    }
//--></SCRIPT>


</head>
<body BGCOLOR="#FFFF80" onLoad="startClock()">

<form Name="form" Action="saving.asp" method=post >
Your time starts now &amp;amp; you have
<INPUT TYPE="Text" NAME="clock" SIZE=4 ID=TEXT1> Seconds remaining.<p>
<br>
<%
Dim objRS

Set objRS = Server.CreateObject("ADODB.Recordset")

dim Rn, r, ch1, ch2, ch3, ch4

QStart = Session("Counter")+1
QEnd = Session("Counter") + 1
Rn = 1
' displaying the diffrent questions
Do While Rn < 6
        select case Session("TestName")
                case "Vocab"
                strSQL = "SELECT * FROM vocab WHERE Qno = " & QEnd & ";"
                case "Computer"
                strSQL = "SELECT * FROM computer WHERE Qno = " & QEnd & ";"
        end select
        objRS.Open StrSQL, objConn
        ch1 = objRs("choice1")
        ch2 = objRs("choice2")
        ch3 = objRs("choice3")
        ch4 = objRs("choice4")
        response.Write "  " & QEnd & "."
        Response.Write "  " & objRS("Question") & "<BR>"
        objRs.Close
        QEnd = QEnd + 1
%>

       
<input type="radio" Name=Member<%=Rn%> Value=1 ID=Radio1> <% = ch1 %> <br>
```

```
       
<input type="radio" Name=Member<%=Rn%> Value=2 ID=Radio2> <% = ch2 %> <br>
       
<input type="radio" Name=Member<%=Rn%> Value=3 ID=Radio3> <% = ch3 %> <br>
       
<input type="radio" Name=Member<%=Rn%> Value=4 ID=Radio4> <% = ch4 %> </p>
<p>

<%
        Rn = Rn + 1
Loop
QEnd = QEnd - 1
Session("Counter")= Session("Counter")+ (Rn-1)
objConn.Close
Set objRs = Nothing
Set objConn = Nothing
Session("PageCounter") = Session("PageCounter") + 1
%>

<font size="1">
<input type="hidden" name=QStart value=<%=QStart%>>
<input type="hidden" name=QEnd value=<%=QEnd%> ID=Hidden1>
        </font>
<input type="submit" value="submit" >    
<input type="reset" value="reset" > </p>
</form>
</body>
</html>
```

5.3.17 Saving.asp

```
<!--#include file="Connection.asp"-->
<%
' if the page is opened by end of time
' then calculating the result and forwarding to
' confirmation page.
if request.Form("Qstart") = "" then
        Session("skiped")= Session("skiped")+ 5
                select case Session("PageCounter")
                case 1
                        response.Redirect "confirmation.asp"
                case 2
                        response.Redirect "confirmation.asp"
                end select

        if Session("Counter")=15 then
                response.redirect "result.asp"
        else
                response.redirect "testing1.asp"
        end if
```

```
end if

' opening the database
Dim  objRS, Rn, ApplicantAnswer, DatabaseAnswer, QStart, QEnd, Ary(5)
Set objRS = Server.CreateObject("ADODB.Recordset")


Session("Counter") = request.Form("QEnd")
QStart = request.Form("QStart")
QEnd = request.Form("QEnd")
Rn = 1
' putting different answers of user in an array
Ary(1) = CInt(request.Form("Member1"))
Ary(2) = CInt(request.Form("Member2"))
Ary(3) = CInt(request.Form("Member3"))
Ary(4) = CInt(request.Form("Member4"))
Ary(5) = CInt(request.Form("Member5"))

QEnd = QEnd + 1
' checking each answer from table
' and calculating result accordingly
Do
        strSQL = "SELECT Answer FROM vocab WHERE Qno = " & QStart & ";"
        objRS.Open StrSQL, objConn
        DatabaseAnswer = objRS("Answer")
        ApplicantAnswer = Ary(Rn)
                if ApplicantAnswer = DatabaseAnswer then
                        Session("correct")= Session("correct")+ 1
                elseif ApplicantAnswer = 0 then
                        Session("skiped")= Session("skiped")+ 1
                else
                        Session("Wrong")= Session("Wrong")+ 1
                end if
        QStart = QStart + 1
        Rn = Rn + 1
        objRs.Close
Loop while QStart < QEnd
QEnd = QEnd - 1

'closing the conncetion
objConn.Close
Set objRs = Nothing
Set objConn = Nothing

' forwarding the the confirmation page
select case Session("PageCounter")
case 1
        response.Redirect "confirmation.asp"
case 2
        response.Redirect "confirmation.asp"
```

```
end select

' checking weather questions are complete
' so as to forward to the desired page
if QEnd=15 then
        response.redirect "result.asp"
else
        response.redirect "testing1.asp"
end if
%>
```

5.3.18 Confirmation.asp

```
<BASEFONT FACE="Comic Sans MS" COLOR="DarkBlue">
<html>
<head>
<title>Confirmation</title>
</head>
<body BGCOLOR="#FFFF80">
<center>
<h1><b>Confirming your Identity</b></h1>
</center>
              &
nbsp; 
<br>
<%
' User's second attempt for giving confirmation
If Request("SecondTry") = "True" Then
        response.Write "<center>"
        response.Write "Your identity didn't matched. Try again" & "<br>"
        response.Write "This is your last chance. if you didn't" & "<br>"
        response.Write "prove yourself you will be logged out. " & "<br>"
        response.Write "</center>"
end if
' forwarding to the confirmation page after each page
Select case Session("PageCounter")
        case 1
        response.Write "     Please write your city "
        Session("Rn")= 1
        case 2
        response.Write "     Plase write your Postal Code "
        Session("Rn")= 2
end select
%>        
<FORM ACTION="confirming.asp<%If Request("SecondTry")="True" Then
                Response.Write "?SecondTry=True"
                End If%>" METHOD="POST">
     
 <input type="text" name="T1" size="20">
 <br><br>
```

```
    
<input type="submit" value="submit">  
<input type="reset" value="reset">
</form>
</body>
</html>
```

5.3.19 Confirming.asp

```
<!--#include file="Connection.asp"-->

<%

Set objRS = Server.CreateObject("ADODB.Recordset")
strSQL = "SELECT * FROM person WHERE EMailAddress = '" & Session("EMailAddress") &
"';"
objRS.Open StrSQL, objConn
Rn = Session("Rn")
' confirming the answer given in confirmation question
' and taking action accordingly
select case Rn
        case 1
                if request.Form("T1") = objRs("city") then
                        response.Redirect "testing1.asp"
                else if Request("SecondTry") = "True" then
                        response.Redirect "AbandonMessage.asp"
                else
                        response.Redirect "Confirmation.asp?SecondTry=True"
                end if
                end if
        case 2
                if request.Form("T1") = objRs("PostalCode") then
                        response.Redirect "testing1.asp"
                else if Request("SecondTry") = "True" then
                        response.Redirect "ForceAbandon.asp"
                else
                        response.Redirect "Confirmation.asp?SecondTry=True"
                end if
                end if
end select
%>
```

5.3.20 AbandonMessage.asp

```
<%
' finishes the session with the user
session.abandon
%>
<BASEFONT FACE="Comic Sans MS" COLOR="DarkBlue">
```

```
<html>
<head>
<title>Online Examination System</title>
</head>
<body BGCOLOR="#FFFF80">
<center>
<h1>
Identity Mismatched</h1>

</center>

<h1 align="justify">
Sorry You Didn't Prove Your Identity so You are logged out.
If you are right person then <a href="login.asp">click here</a> to login again or
<a href="Introduction.asp">click here</a> to go to home page
</h1>

</body>
</html>
```

5.3.21 Result.asp

```
<%
' checking if result have been already stored
' if already stored than Rn have been zero for other tests
if Session("Rn")= 0 then
response.Redirect "ExaminationMenu.asp"
end if
%>

<!--#include file="Connection.asp"-->
<BASEFONT FACE="Comic Sans MS" COLOR="DarkBlue">
<HTML>
<HEAD>
<TITLE>Online Examination System</TITLE>
</HEAD>
<BODY BGCOLOR="#FFFF80">
<CENTER>
<H1>Mr. <%= Session("GivenName") %> <br>
 Thankyou for giving the test<BR>your result is shown below</H1>
</CENTER>

<%
Dim objResult
Set objResult = Server.CreateObject("ADODB.Recordset")
objResult.Open "Result", objConn, adOpenStatic, adLockOptimistic, adCmdTable


'displays the result
response.Write "Right Answers = " & Session("correct") & "<br>"
```

```
response.Write "Wrong Answers = " & Session("Wrong") & "<br>"
response.Write "Skipped Questions = " & Session("Skiped") & "<br>"

' add the result to the database and close the database
objResult.AddNew
objResult("PersonID") = session("PersonID")
objResult("TestName") = session("TestName")
objResult("Right")= Session("correct")
objResult("Wrong")= Session("Wrong")
objResult("Skiped") = Session("Skiped")
objResult.Update
objResult.Close
Set objResult = Nothing
Set objConn = Nothing

' Sets the value of session to zero for other tests
Session ("correct")=0
Session ("counter")=0
Session ("skiped")=0
Session("Wrong") = 0
Session ("Rn")=0
Session ("PageCounter")=0
%>
<p
align="left">           &n
bsp;   
<a href="ExaminationMenu.asp">Main Menu</a>
             &
nbsp; 
<A HREF="SessionAbandon.asp">Logout</A> </p>
</BODY>
</HTML>
```

5.3.22 SessionAbandon.asp

```
<%
' closing the session with user and logging out
session.abandon
response.Redirect "Introduction.asp"
%>
```

5.3.23 Queries.asp

```
<HTML><HEAD>
<title>Online Examination system</title>
<BASEFONT FACE="Comic Sans MS" COLOR="darkblue">
</HEAD>

<BODY BGCOLOR="#ffff80">
```

```
<p align="center"><b><font size="7">Teacher's Quires Page</font></b></p>
<p>  Different Quires</p>
<p>  1. How many students have given test on particular date and thier details?</p>
<form method="post" action="qur1.asp?R=1" >
  
 Enter the date  <input name="Date1" > MM/DD/YY
<p></p>
 <p>  <input type="submit" value="Click here to find the Result"
name="B1">    
 </p>
</form>
<p>  2. How many students have given a particular test?</p>
<form method="post" action="qur1.asp?R=2">
<%'quiry.asp?R=2" >%>
  
 Enter the test Name  <input name="TestName" >
<p></p>
 <p>  <input type="submit" value="Click here to find the result"
name="B1">    
 </p>
</form>
<p>  3. Show All the user, test given by them and results obtained.</p>
<form method="post" action="qur1.asp?R=3" >
  
 <input type="submit" value="Click here to see the results" name="B1"> 
</form>
<p align="left">  4.  Show the record of student who's email address
is</p>

<form method="post" action="qur1.asp?R=4"> 
 Email Address <input name="Email" >
<p></p>
 <p align="left"> 
 <input type="submit" value="Click here to see the result" name="B1"></p>
</form>
<p align="left">  5. Show the record of student who's Name is</p>

<form method="post" action="qur1.asp?R=5"> 
 Give Name  <input name="Name" >
<p></p>
 <p align="left"> 
 <input type="submit" value="Click here to see the result" name="B1"></p>
</form>
<p align="left">   6. Show the record of student's from</p>

<form method="post" action="qur1.asp?R=6"> 
 City  <input name="City" >
<p></p>
 <p align="left"> 
 <input type="submit" value="Click here to see the result" name="B1"></p>
```

```
</form>
<p align="left"> </p>

<p align="center"><a href="Introduction.asp">Main Page</a></p>

</BODY></BASEFONT></HTML>
```

5.3.24 QueryResult.asp

```
<!-- METADATA TYPE="typelib"
        FILE="c:\Program Files\Common Files\System\ado\msado15.dll" -->

<%
strConnect = "Provider=Microsoft.Jet.OLEDB.4.0; " & _
          "Data Source= E:\asp 3 book\final\papers.mdb"
%>
<HEAD>
<TITLE>Online Examination System</TITLE>
</HEAD>
<BODY BGCOLOR="#FFFF80">
<CENTER>
<H1>Query Result </H1>
<br>
<%
'response.Write TypeName(Request.Form("Date1"))& "<Br>"
'response.Write Request.Form("Date1")& "<Br>"
'response.Write TypeName(cDate(Request.Form("Date1")))& "<Br>"
'response.Write cdate(Request.Form("Date1")) & "<Br>"
  Dim objCommand, objRS, heading
  Set objCommand = Server.CreateObject("ADODB.Command")

  objCommand.ActiveConnection = strConnect
  select case Cint(request("R"))
        case 1
                objCommand.CommandText = "SELECT Person.GivenName,
 Person.EMailAddress, Result.TestName, " & _
                "Result.Right, Result.Wrong, Result.Skiped, Result.Date " & _
      "FROM Result INNER JOIN Person ON Result.PersonID= Person.PersonID " & _
      "WHERE Result.Date ='" & cdate(Request.Form("Date1")) & "';"
      heading = "Record of test given on date " & cdate(Request.Form("Date1"))
        case 2
                objCommand.CommandText = "SELECT Person.GivenName,
 Person.EMailAddress, Result.TestName, " & _
                "Result.Right, Result.Wrong, Result.Skiped, Result.Date " & _
      "FROM Result INNER JOIN Person ON Result.PersonID= Person.PersonID " & _
      "WHERE Result.TestName = '" & Request.Form("TestName") & "'"
      heading = Request.Form("TestName") & _
                        " test is given by following students along with there records" & "<br>"
    case 3
```

```
                objCommand.CommandText = "SELECT Person.GivenName,
Person.EMailAddress, Result.TestName, " & _
                "Result.Right, Result.Wrong, Result.Skiped, Result.Date " & _
    "FROM Result INNER JOIN Person ON Result.PersonID= Person.PersonID " & _
                "order by Result.PersonID"
                heading = "Record of all the students "
        case 4
                objCommand.CommandText = "SELECT Person.GivenName,
Person.EMailAddress, Result.TestName, " & _
                "Result.Right, Result.Wrong, Result.Skiped, Result.Date " & _
    "FROM Result INNER JOIN Person ON Result.PersonID= Person.PersonID " & _
    "WHERE Person.EmailAddress = '" & Request.Form("Email") & "'"
    heading = "The record of student having email address " & Request.Form("Email")
        case 5
                objCommand.CommandText = "SELECT Person.GivenName,
Person.EMailAddress, Result.TestName, " & _
                "Result.kight, Result.Wrong, Result.Skiped, Result.Date " & _
    "FROM Result INNER JOIN Person ON Result.PersonID= Person.PersonID " & _
    "WHERE Person.GivenName = '" & Request.Form("Name") & "'"
    heading = "The record of Mr. " & Request.Form("Name")
        case 6
                objCommand.CommandText = "SELECT Person.GivenName,
Person.EMailAddress, Result.TestName, " & _
                "Result.Right, Result.Wrong, Result.Skiped, Result.Date " & _
    "FROM Result INNER JOIN Person ON Result.PersonID= Person.PersonID " & _
    "WHERE Person.City = '" & Request.Form("City") & "'"
    heading = "The record of student giving the test from " & Request.Form("City")
end select

objCommand.CommandType = adCmdText

 set objRS = objCommand.Execute

 set objCommand = Nothing

 'while not objRS.EOF
        'response.Write objRS("GivenName")& "<Br>"
        'objRS.MoveNext
 'wend
 'response.Write type(Date(Request.Form("Date1")))
 If Not objRS.EOF Then
        response.Write "<H2><B>" & heading & "</B></H2><BR>"
        Response.Write "<TABLE BORDER=1><TR><TD><B>Student Name </B></TD>"
&_
        "<TD><B>Email Address </B></TD><TD><B>Test Name </B>" & _
        "</TD><TD><B>Right Answers </B></TD><TD><B>Wrong Answers </B></TD>" &
_
        "<TD><B>Skiped Questions </B></TD><TD><B>Date </B></TD></TR>"
    While Not objRS.EOF
    Response.Write "<TR><TD>" & objRS("GivenName") & "</TD>" & _
                "<TD>" & objRS("EMailAddress") & "</TD>" & _
```

```
                "<TD>" & objRS("TestName") & "</TD>" & _
                "<TD>" & objRS("Right") & "</TD>" & _
                  "<TD>" & objRS("Wrong") & "</TD>" & _
                  "<TD>" & objRS("Skiped") & "</TD>" & _
                  "<TD>" & objRS("Date") & "</TD></TR>" & _
     objRS.MoveNext
    Wend
    Response.Write "</TABLE>"
Else
Response.Write "<h1><B>" & "RECORD NOT FOUND" & "</B></h1><br>"
end if

 objRS.Close
 Set objRS = nothing
 %>

 <br>
<a href="Introduction.asp">Main Page </a>
             &
nbsp;  
      
<a href="Quires.asp">Another query </a>

</CENTER>
</body>
</Html>
```

Chapter 6

Guide for Teachers

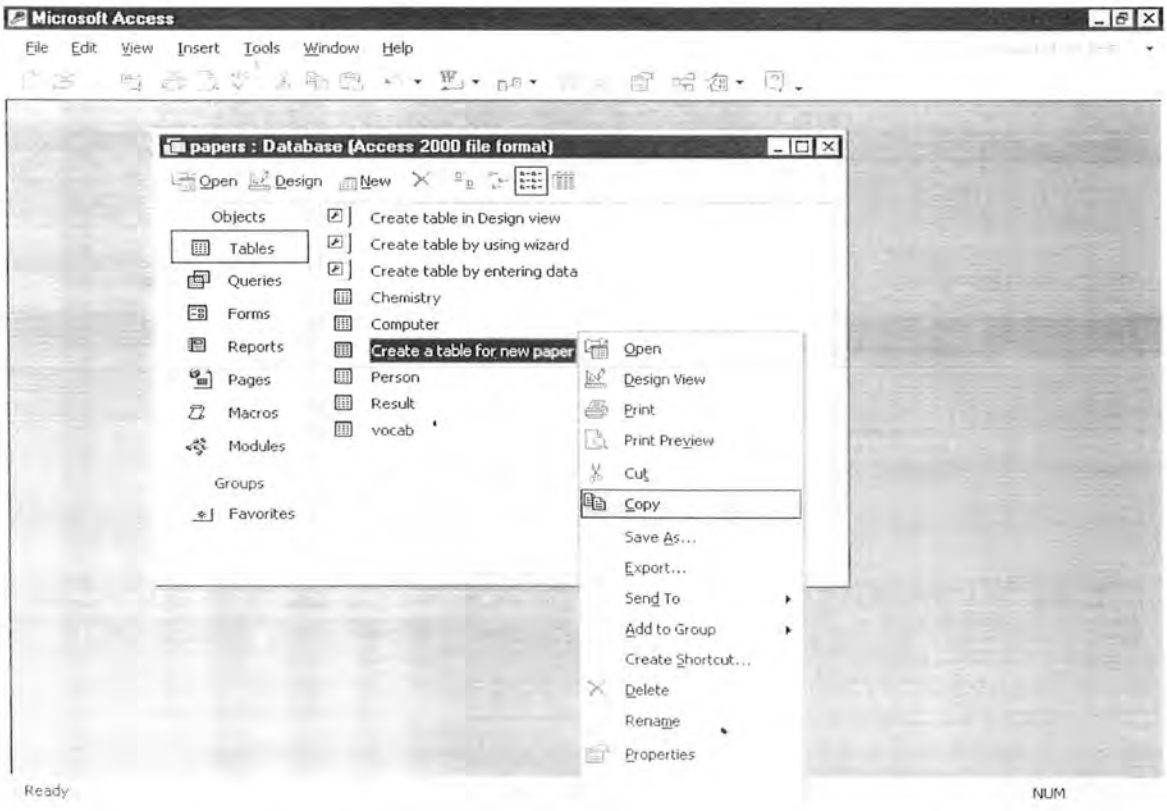
GUIDE FOR TEACHERS

There are three aspects which a teacher has to learn so as to make a new paper and update it for the students.

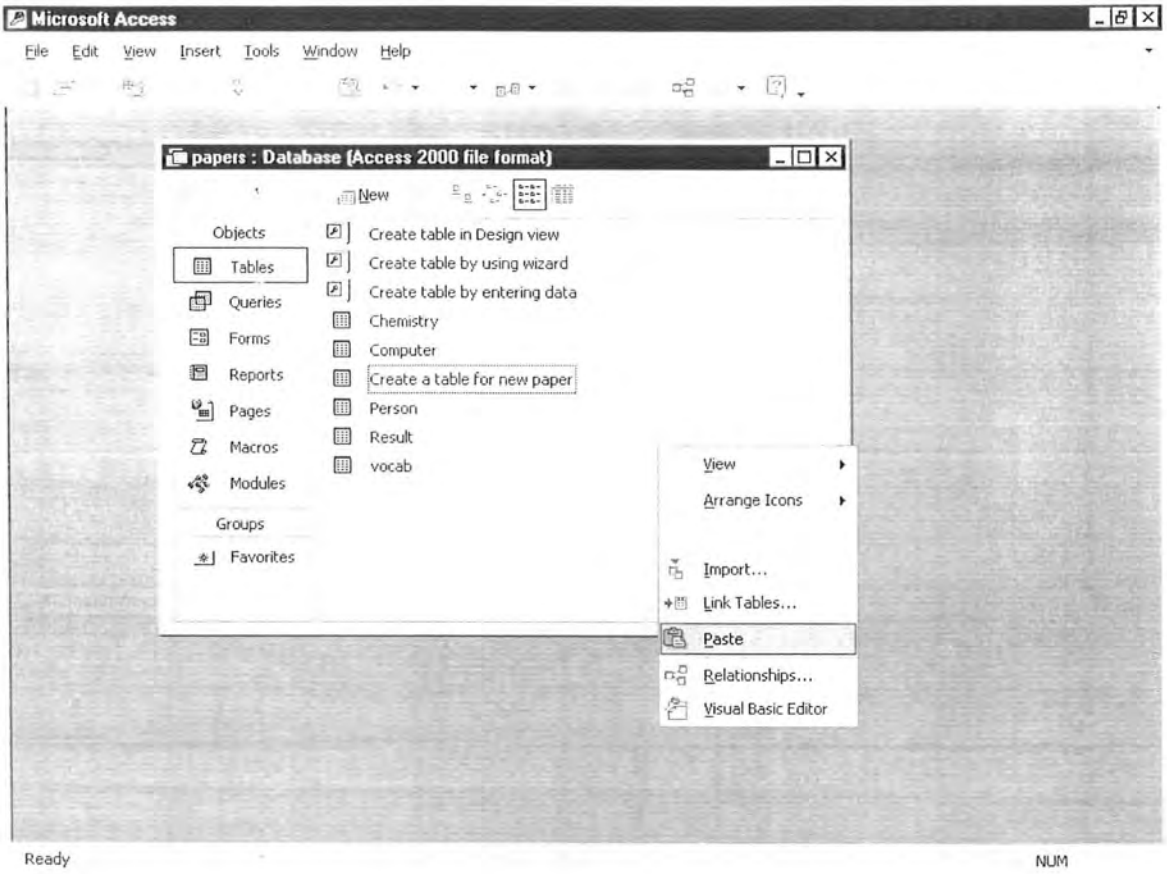
6.1 Create a new paper:

For creating a new paper a teacher has to create a new table for it. Which he can do by following steps.

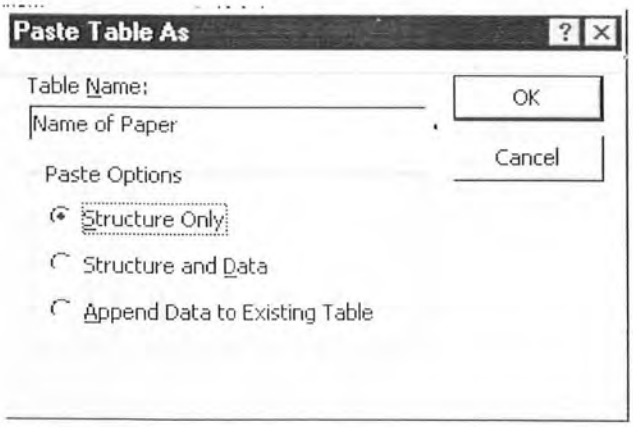
1. Open the database **Papers**.
2. In the database window he will find a table named **Create a table for new paper.**
3. Select it.
4. Right click the table and Select copy. As shown in the picture below.



5. Now click any where in the database window.
6. Right click
7. Click paste. As shown in the picture.

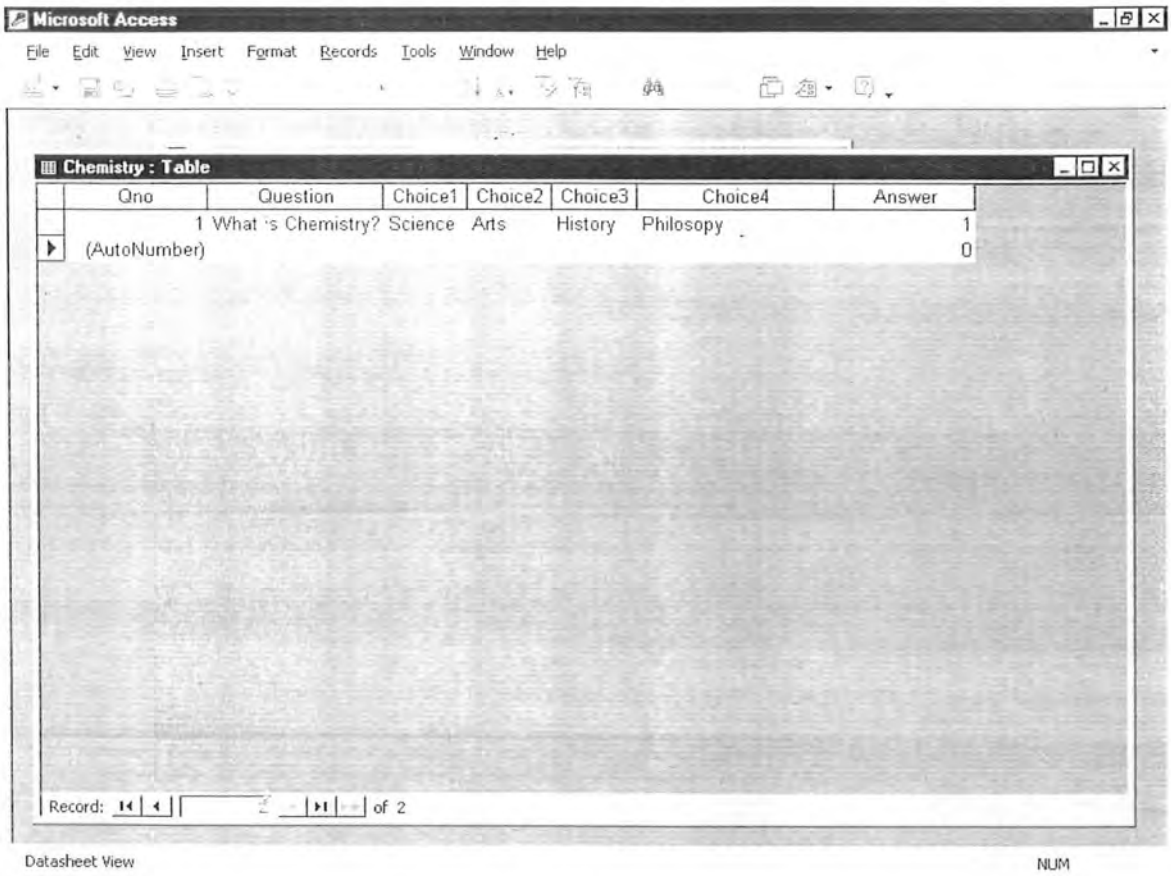


8. You will be displayed following window.



9. In the Table Name type the name of paper you want to create.

10. Select the option of Structure only and click ok.
11. A new table with that name will be created and will be displayed in the database window.
12. Now double click that new created table and feed the paper as shown below.



In this way a teacher can create a new table for his new paper and add the records.

6.2 Edit/ Update existing paper:

To edit and update the existing paper a teacher has to do following steps.

1. Open the **Paper** database.
2. Double click the paper table he want to edit or update.
3. Select the question he wants to update.
4. Edit the in formation in it. As shown in the picture on next page where we edit Question No. 13

Qno	Question	Choice1	Choice2	Choice3	Choice4	Answer
1	Abate	Boast	Essence	Lesson	Obvious	
2	Abbreviation	Short Form	Long form	Medium form	Paraphrase	
3	Abdicate	Resign	Disperse	Harass	Trick	
4	Abhor	Dislike	Hate	Adorn	Difference	
5	Abode	Restaurant	Dwelling place	Road	Chamber room	
6	Abolish	Complete	Simplify	do away with	carry away	
7	Abreast	informed	opposite	smart	side by side	
8	Abstemious	moderate	confused	diligent	sophisticated	
9	Abundant	scarcity	plenty	excess	access	
10	Accelerate	to surpass	enliven	impede	increase the speed of	
11	Accentuate	to speed up	emphasize	agree	act strongly	
12	Access	an elongated addition	means of entern	large surplus	a keeping in repair	
13	Acclamation	harmony of feeling	possession of s	appointment	enthusiastic approval	
14	Acclimation	strom's start	keeness	decline	adaptation	
15	Accomplice	companion	realist	companion in cr	idle	
16	Accumulate	to gather	to collect	to pile	to store	
17	Acerbate	to irritate	scour	claim positively	accuse	
18	Acerbic	obvious	calm	weak	bitter	
19	Acidulous	slightly sour	sharp	self-righteousne	indolent	
20	Acrimonious	bitter	provocate	cheap	volatile	
(AutoNumber)						

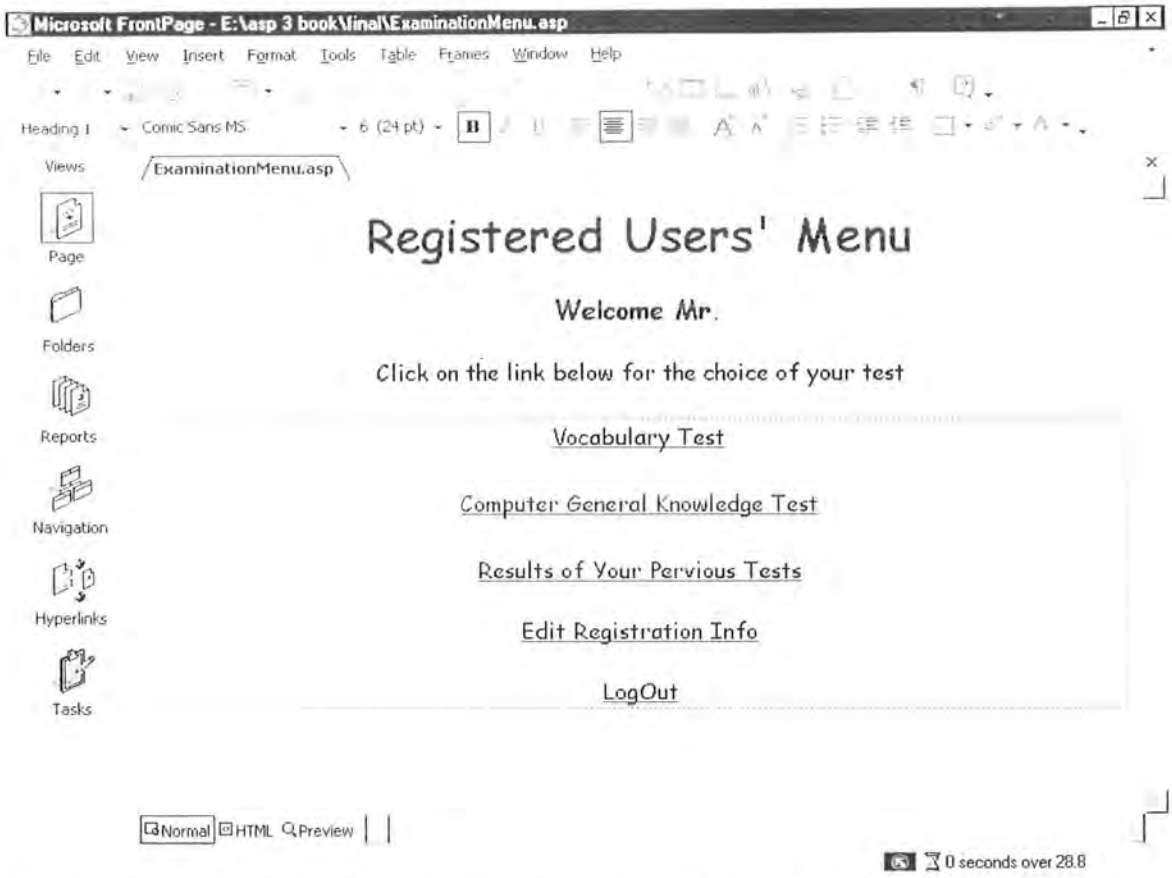
5. If he wants to add more data click on the end of all the questions in the question field next to the (**Auto Number**). As shown below.

In this way you can edit, add and update the existing question paper.

6.3 Create Link of New Paper:

If the teacher has created a new paper by following first step i.e. **part 6.1** than he have to create link of that paper in the students personal page so that they can access that test. For creating link follow these steps.

1. Open asp page **ExaminationMenu.asp** in the FrontPage. Shown on next page.



2. Now type the name of test as shown in the above picture on the line before Result of your previous tests.
3. Now select the written name.
4. Right click and select **Hyperlink Properties.**
5. You will see the following window.

6. In the address box type the Following **Rules.asp?TestName=Computer** and click ok. As shown in the above picture.
7. In the address box we have written **computer** as test name but you will write the name of table you have created for your new paper.
8. Now save the **ExaminationMenu.asp** page and close the FrontPage.

In this way a teacher can create the link of the paper he has created. But one further step which a teacher has to do is to write a few codes in ASP page **Testing1.asp** which is used to connect to the database so as to access the paper's questions. For this do the following steps.

1. Open **testing1.asp** in FrontPage and open it in HTML view as shown in the figure.

2. Now over there you have to write two lines of code which will create a link to database.
3. In the above picture we see two highlighted lines. Copy these two lines and paste before **end select** and after the copied lines. As shown below in italic.

   *case "**Test Name**"*
   *strSQL = "SELECT * FROM **Test Name** WHERE Qno = " & QEnd & ";"*

4. In the above lines write the test name of the table you have created in the step one.
5. Now save the **Testing1.asp** and close it.

Now our test paper is connected to web page and a student can at any time give it and gets the result.

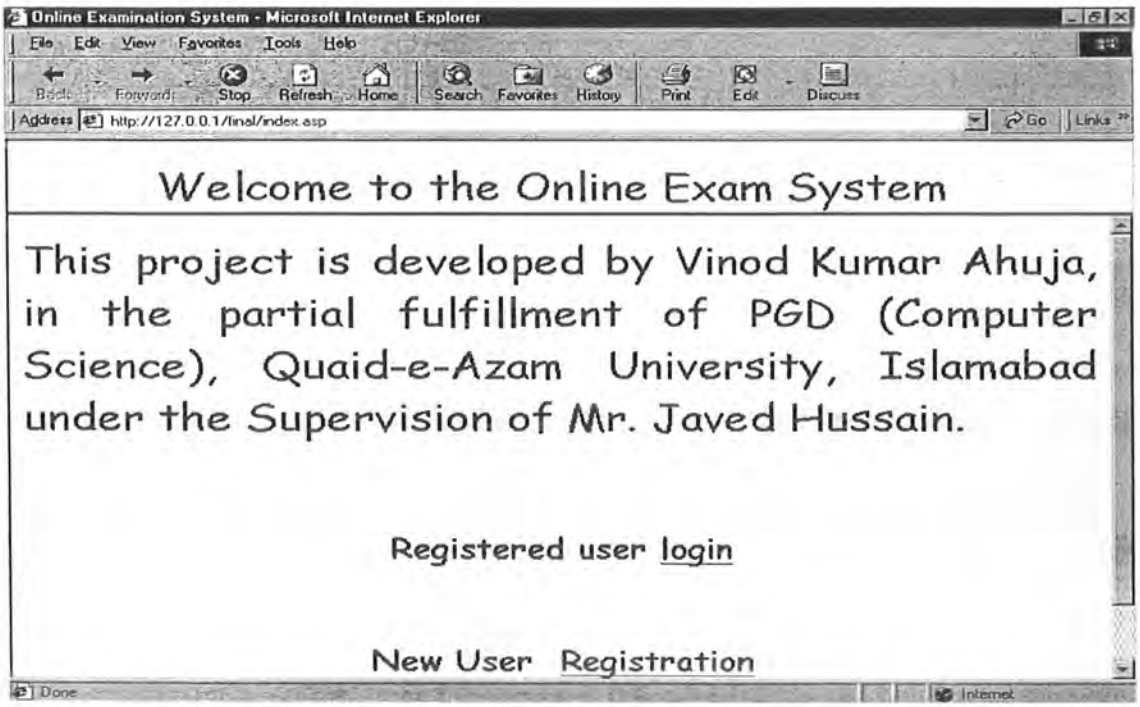
These are the few steps through which a teacher can make new tests, edit and update them and can create their link to the web page.

Chapter 7

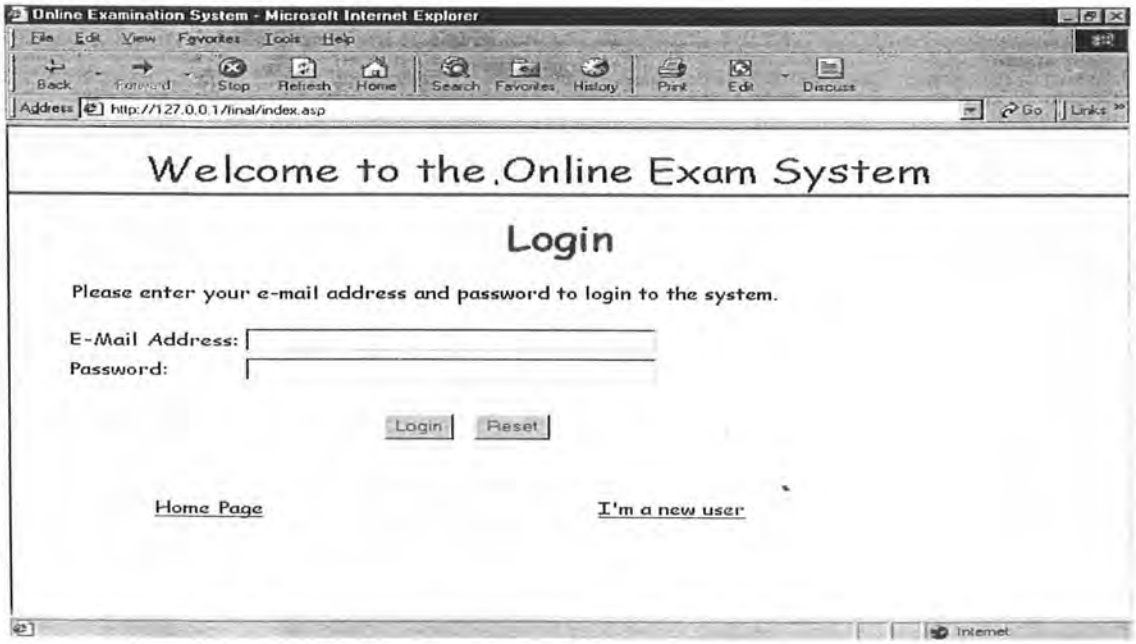
Pictures

Pictures of Different Pages

Index.asp

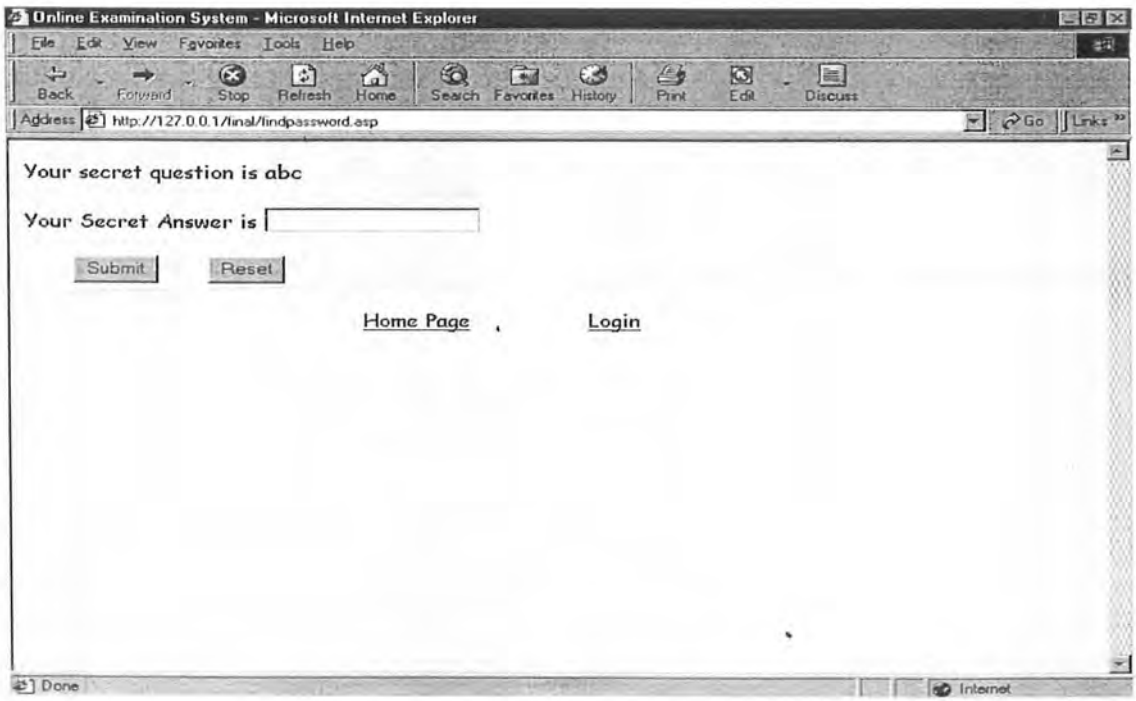


Login.asp



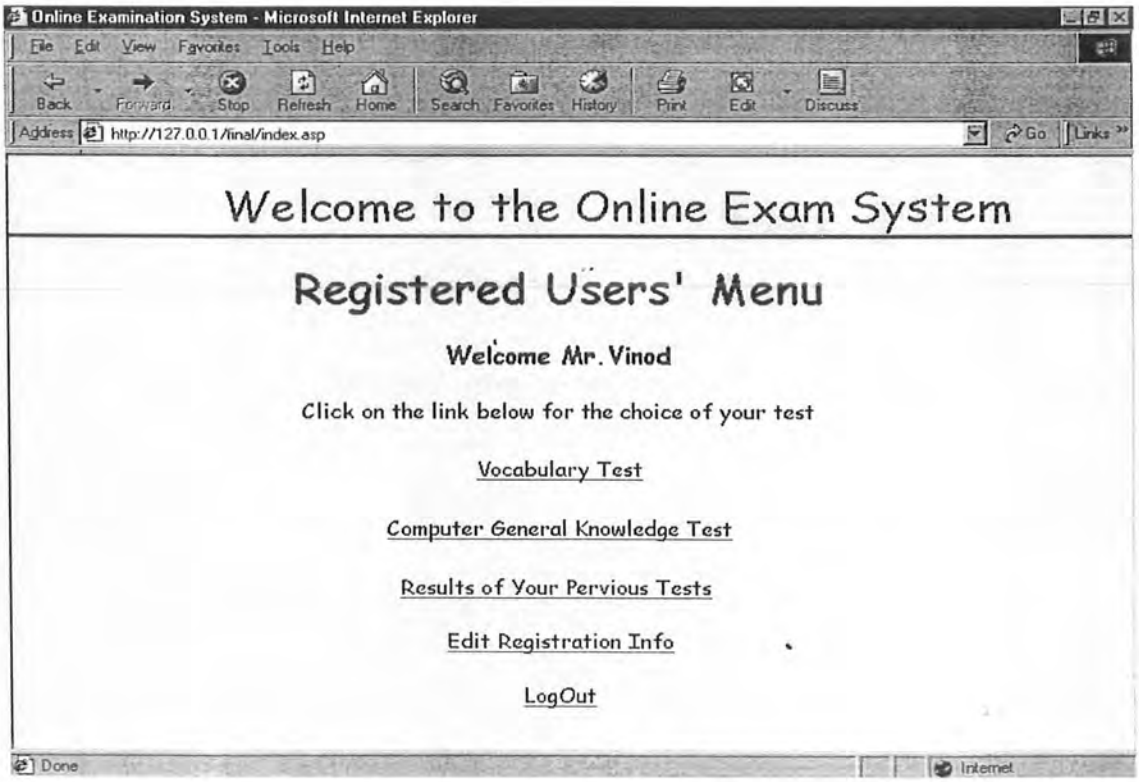
ForgotPassword.asp

FindPassword.asp

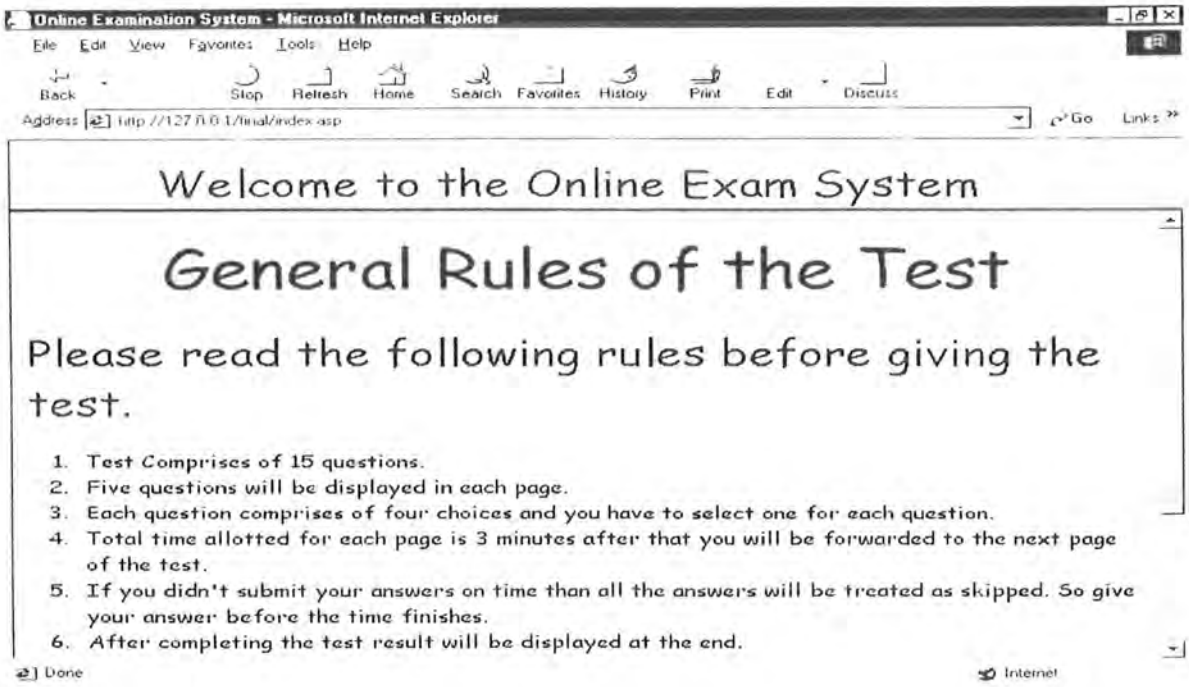


Password.asp

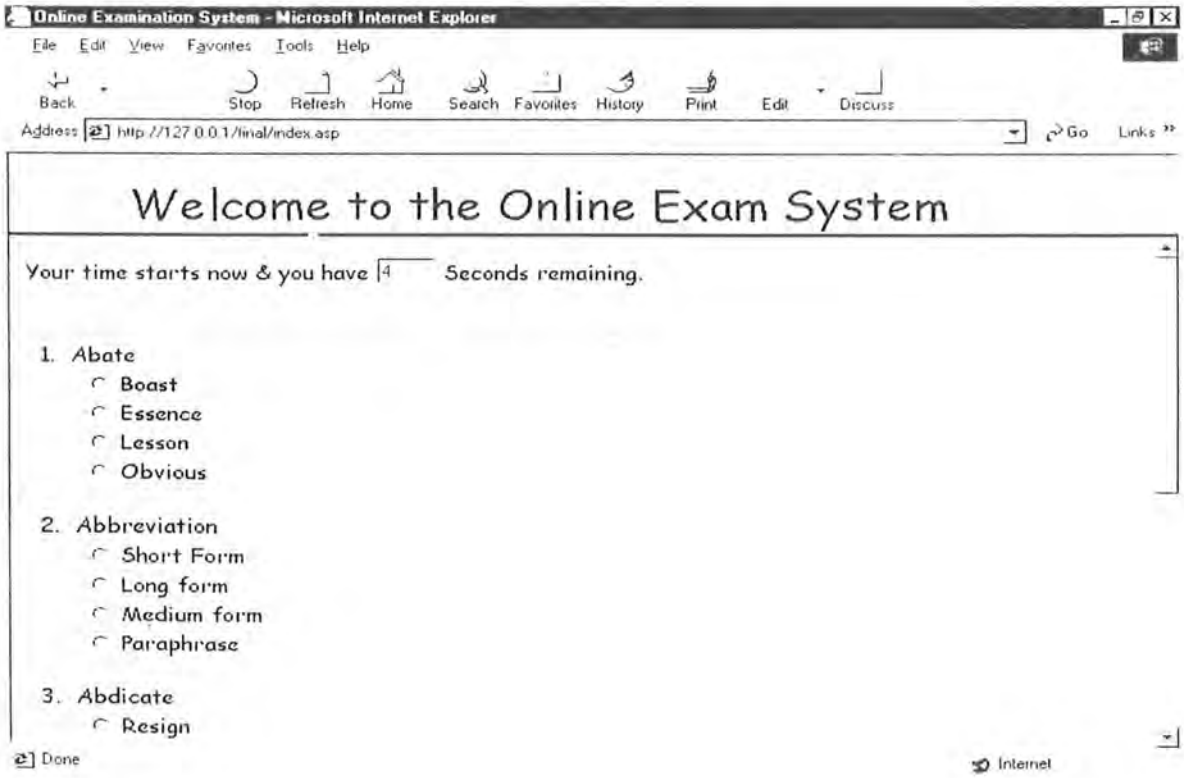
ExaminationMenu.asp



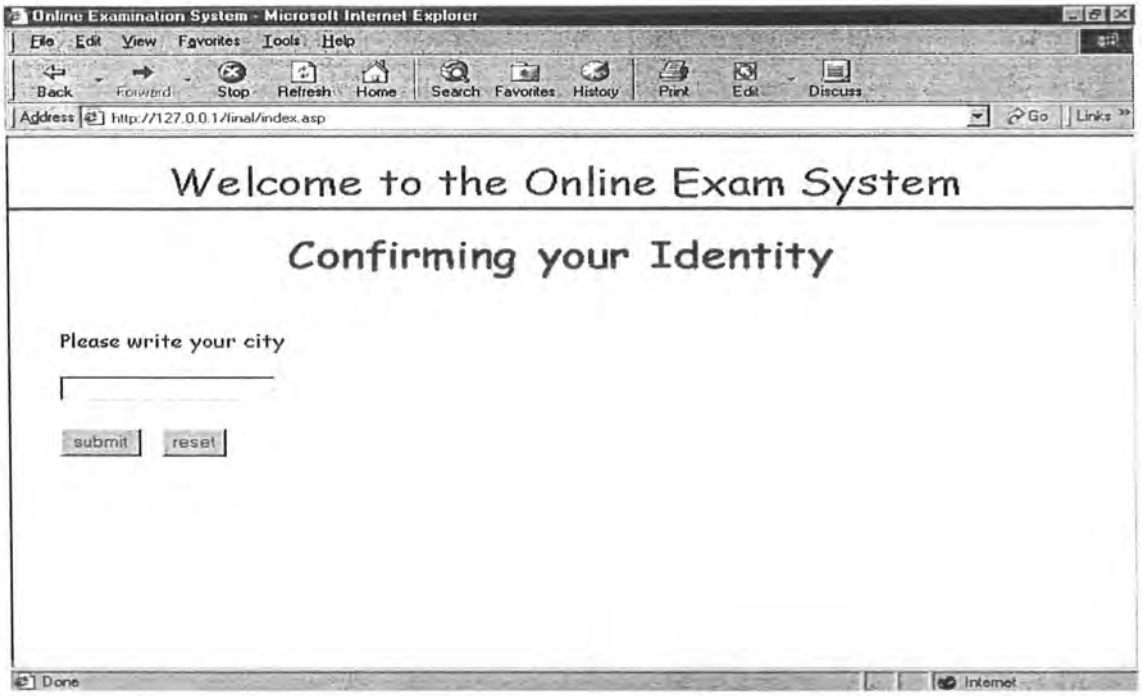
Rules.asp



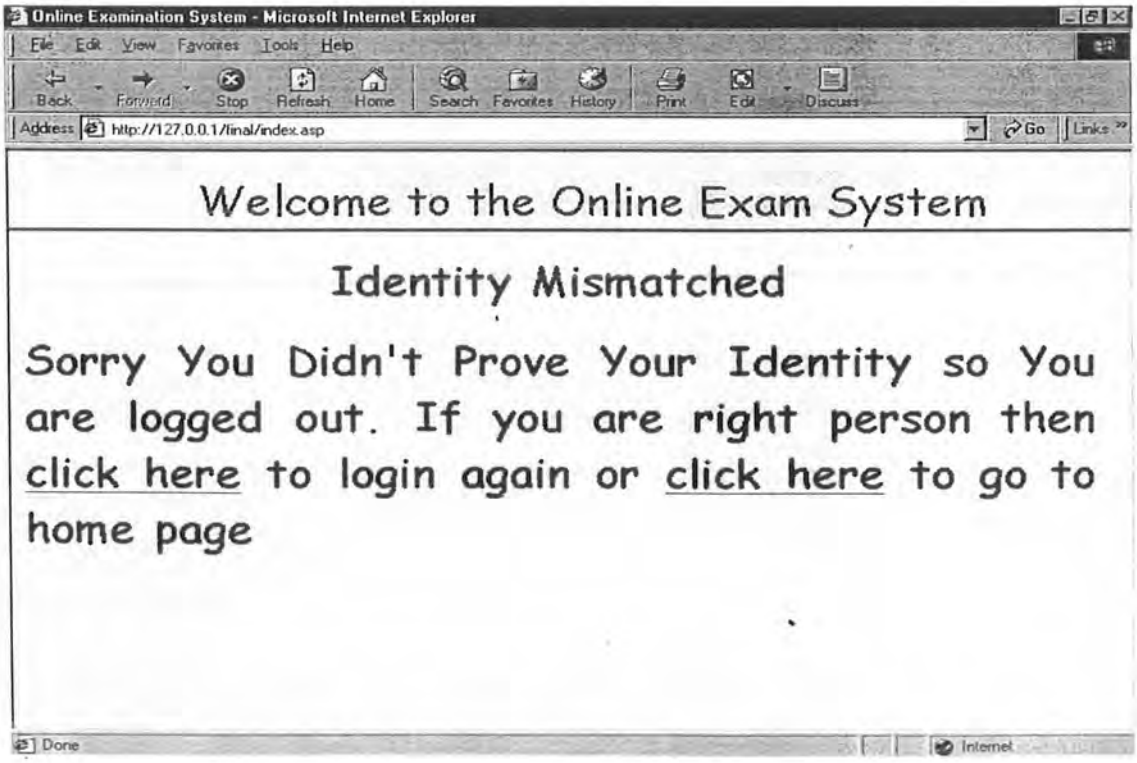
Testing1.asp



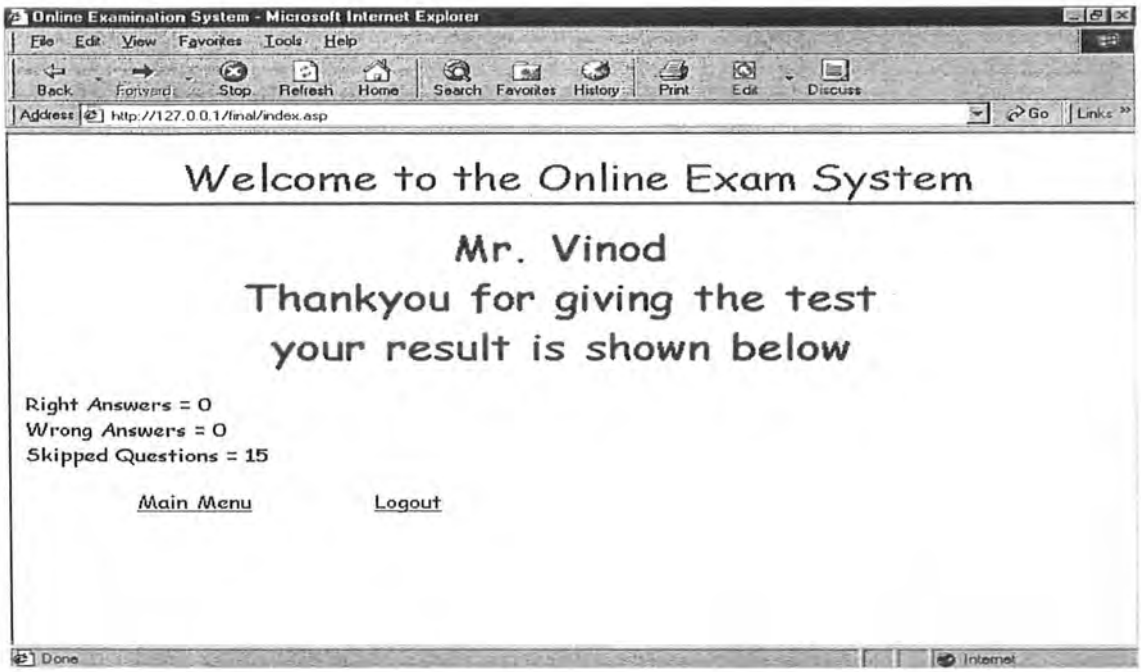
Comfirmation.asp



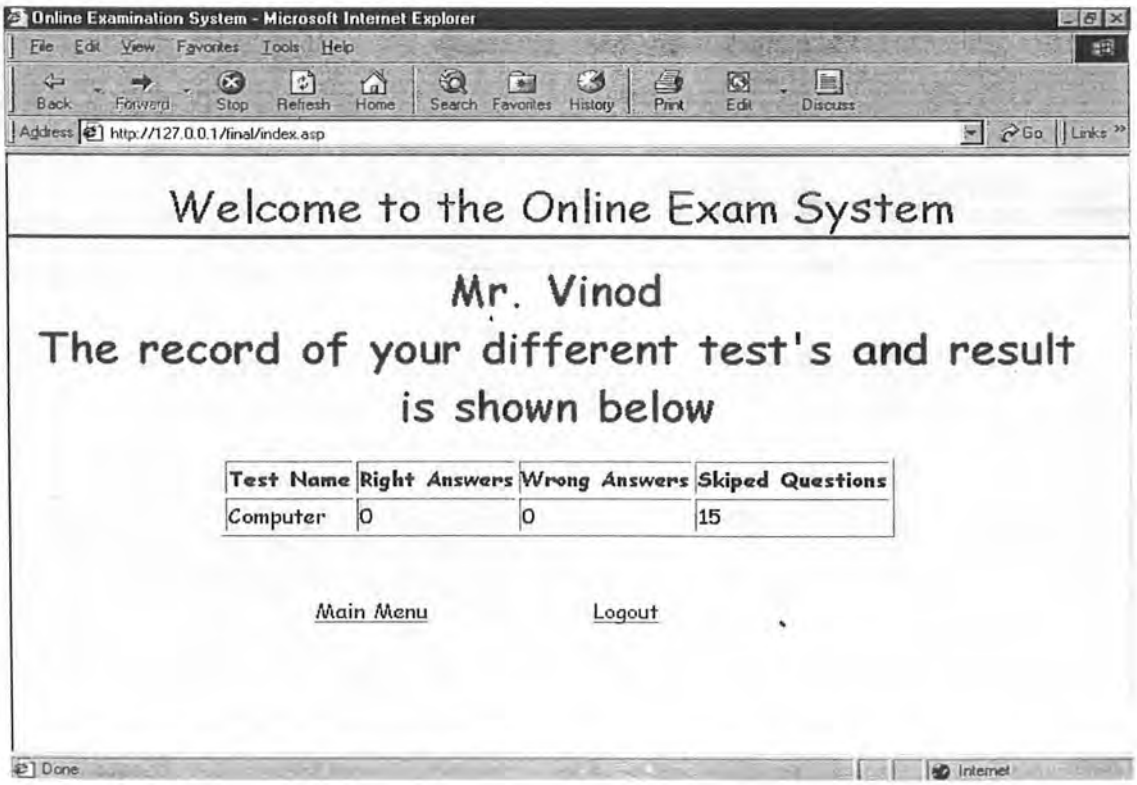
AbandonMessage.asp



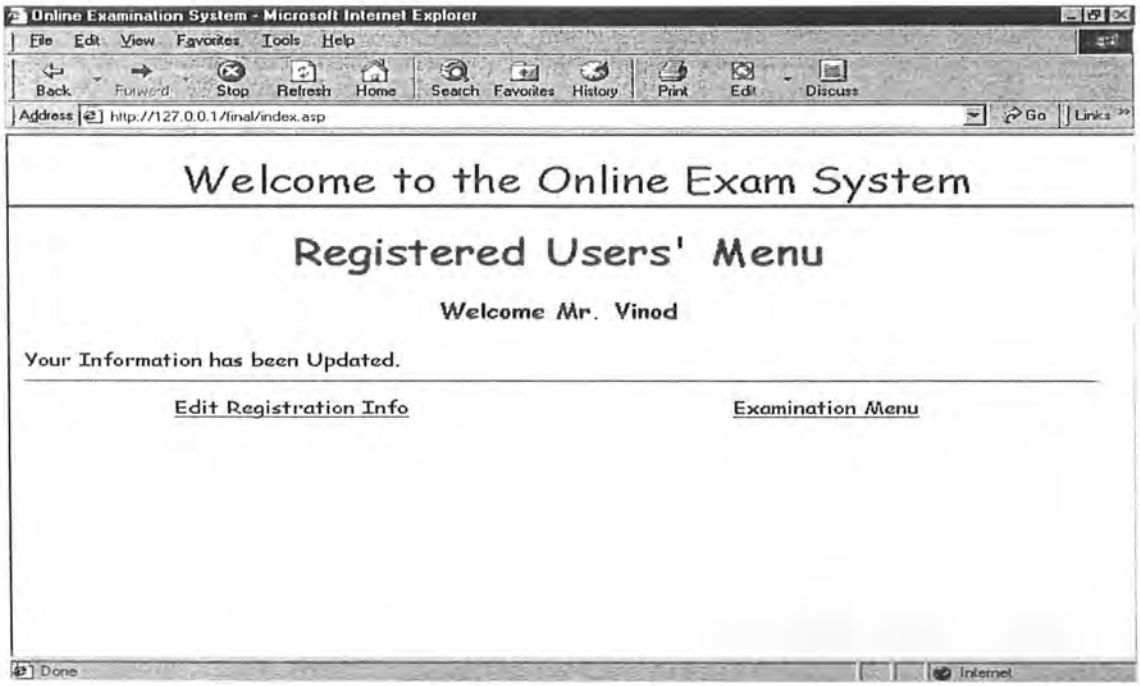
Result.asp



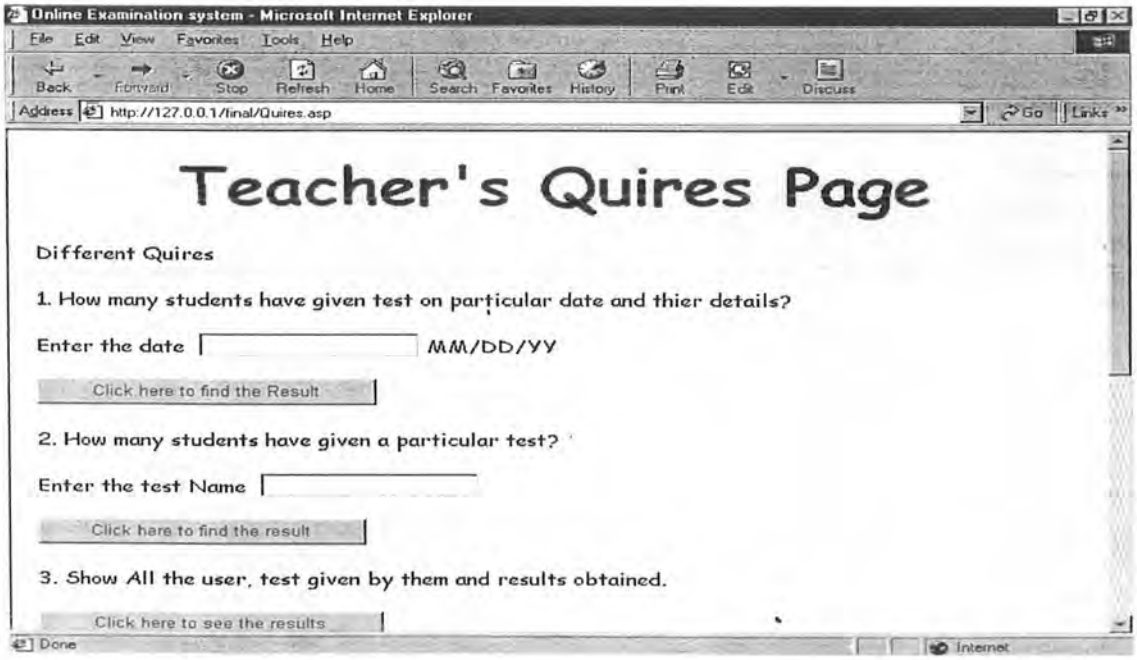
DirectResult.asp



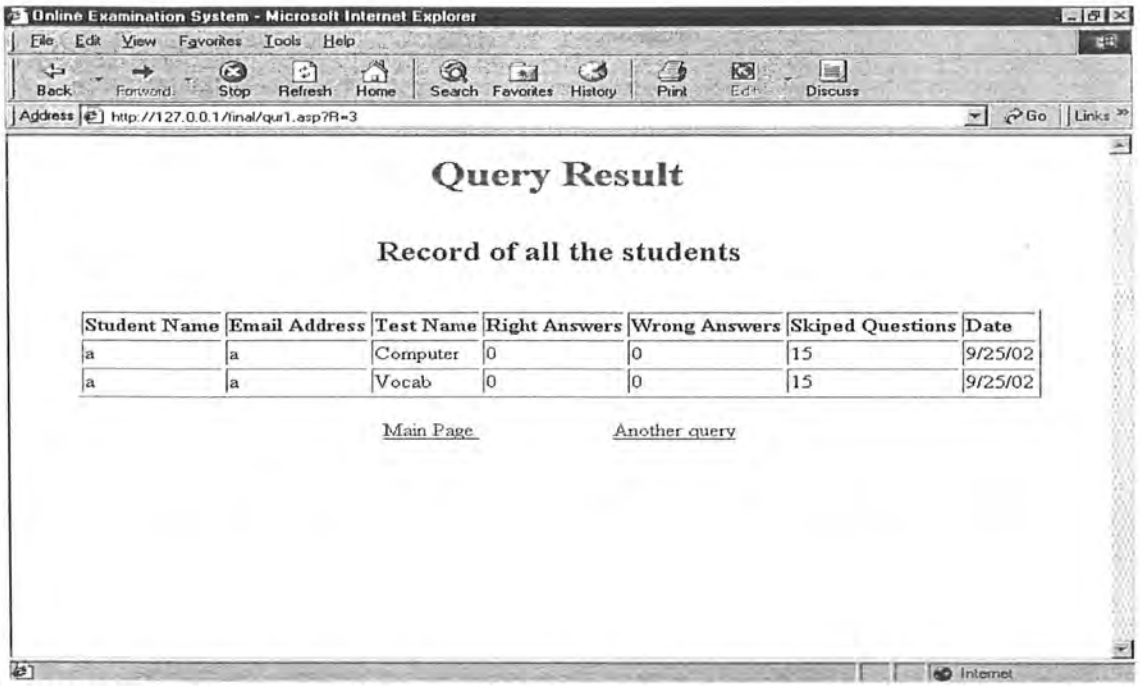
ThankYou.asp



Queries.asp



QueryResult.asp


Online Examination System - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Forward Stop Refresh Home Search Favorites History Print Edit Discuss
Address http://127.0.0.1/final/qur1.asp?R=3
Go Links
Query Result
Record of all the students
Student Name | Email Address | Test Name | Right Answers | Wrong Answers | Skiped Questions | Date
a | a | Computer | 0 | 0 | 15 | 9/25/02
a | a | Vocab | 0 | 0 | 15 | 9/25/02
Main Page
Another query
Internet

References