

# **A Project Report ON *ONLINE EXAMINATION SYSTEM***

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## **ACKNOWLEDGEMENT**

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His readiness to discuss all important matters at work deserves special attention. We would also like to thank whole team of Globsyn for their cooperation and important support.

## 2>Requirement Specification

### DOMAIN DESCRIPTION

- *Online Examination System* is being launched because a need for a destination that is beneficial for both institutes and students. With this site, institutes can (after buying) host online exams. Students can give exams and view their results. This site is an attempt to remove the existing flaws in the manual system of conducting exams.
- 
- *Online Examination System* fulfills the requirements of the institutes to conduct the exams online. They do not have to go to any software developer to make a separate site for being able to conduct exams online. They just have to register on the site and enter the exam details and the lists of the students which can appear in the exam.
- Students can give exam without the need of going to any physical destination. They can view the result at the same time.
- Thus the purpose of the site is to provide a system that saves the efforts and time of both the institutes and the students.

### **What is Online Exams System all about?**

- *Online Exams System* is a web application that establishes a network between the institutes and the students. Institutes enter on the site the questions they want in the exam. These questions are displayed as a test to the eligible students. The answers enter by the students are then evaluated and their score is calculated and saved. This score then can be accessed by the Administrator/institutes to determine the passes students or to evaluate their performance.
- *Online Exams System* provides the platform but does not directly participate in, nor is it involved in any tests conducted. Questions are posted not by the site, but Administrator/Institute of the site. The site requires an Administrator/Institute to register before posting the questions.

The system entitled “Online Examination System” is application software, which aims at providing services to the institutes and providing them with an option of selecting the eligible students by themselves. It is developed by using JEE technology and related database.

### PROBLEM DEFINATION

- This website reduces the manual work, maintaining accuracy, increasing efficiency and saving time. Also institutes need not go to develop a new software each time, instead they just register and conduct a test. For students, it saves time of going too far away centers and also they can view their result then and there.
- As the website is online so will be easily portable on various systems. The website will be also easily portable on any windows based system that has any web browser installed.

Also this website will remove the flaws of existing Manual Systems like:  
reducing the manual labour (Decreases Overheads).

- Avoiding Mistakes Due To Human Error (Accurate).
- Will Increase Efficiency and Save Time.
- Will Allow Neat Handling Of Data Rather Than Error Prone Records.

The Administrator/Institutes will login with a unique login name and password, the unique id will be issued to the institutes by the Administrator.

- They will enter exam details like number of questions, options, answer, etc.
- Then they will enter the questions along with the answers which can later be deleted and edited.
- Also they will enter the list of eligible candidates with their id names which can also be edited later.
- Institutes will be able to view the students list along with their respective results.

Also for students:

- They should be able to login with their Id number and name.
- They should be able to give the exam as per the details entered by respective institutes.
- Also they should be able to view their score after test finishes.
- If already given the test then they should just be able to view their scores.

Other users can take sample tests to get feel and look of how the online tests are conducted. Other key points:

- Different set of questions are given to different calibre of students.

### **3>Functional Requirements**

There are various functional requirements such as:

- Adding the IDs of the students which would be participating in the online examination beforehand.
- Adding the questions desired by the exam conductor in the appropriate heading.
- Supplying the correct option to the above said questions.

### **HARDWARE /SOFTWARE REQUIREMENTS**

On the Client side:

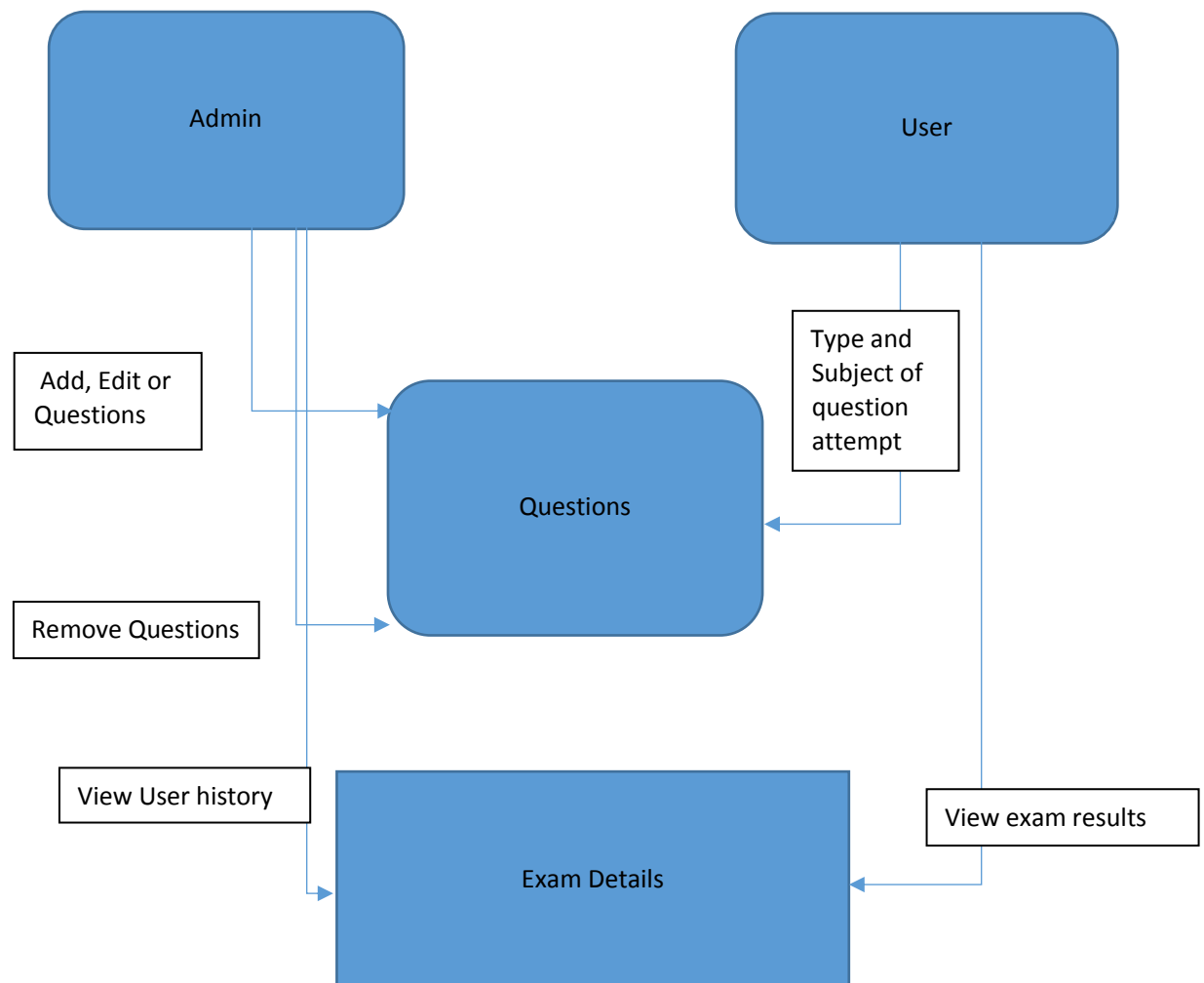
- Support for printer for printing results then and there.
- Screen resolution of at least 800X600 is required for proper and complete viewing of screens. Higher resolution will be accepted.
- Any windows based operating system with a web browser.
- At least 512 MB RAM and 5 MB space on hard disk will be required for running the application.

On the Server side:

-----

## 4>Database Design

### ER DIAGRAM



## TABLE DESCRIPTION

There are 4 tables used in this project, as follows:

### ➤ ADMIN

- Name (varchar2(30))
- Userid (varchar2(20))
- Password (varchar2(20))

### ➤ USERDETAILS

- Name (varchar2(30))
- Password (varchar2(20))
- Gender (varchar2(2))
- Date (Date)
- Userid (Number(20)-Primary key)

### ➤ QUESTIONS

- QID (Number(5))
- Question (varchar2(200))
- OptA (varchar2(200))
- OptB (varchar2(200))
- OptC (varchar2(200))
- OptD (varchar2(200))
- Answer (varchar2(200))
- Title (varchar2(200))
- Dlevel (varchar2(200))

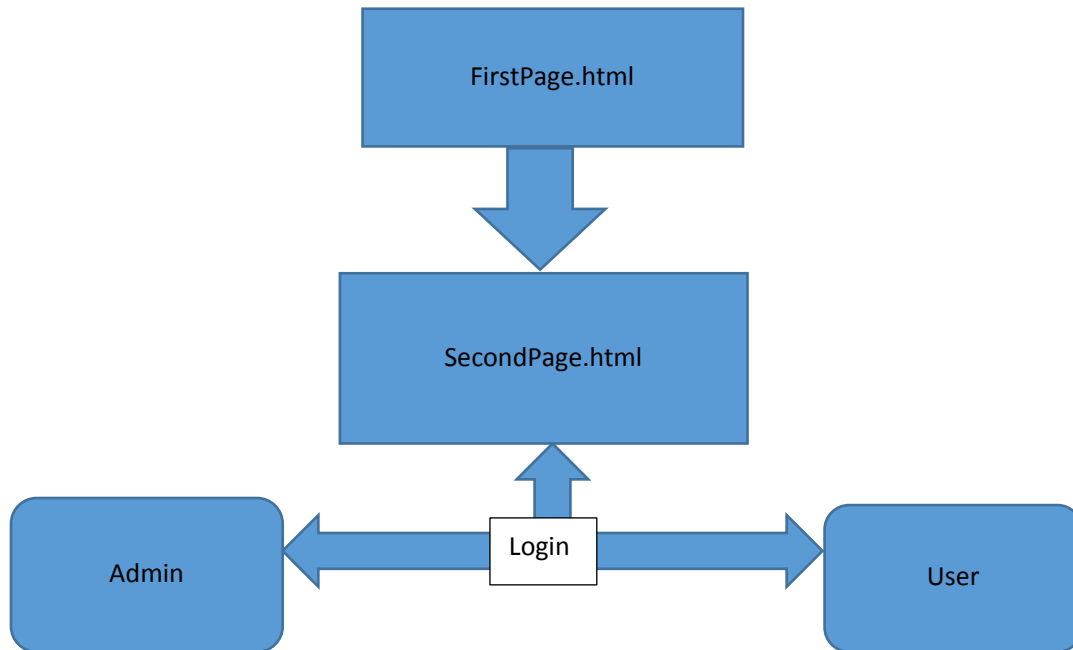
### ➤ EXAMDETAILS

- UserID (Number(5))
- Name (varchar2(30))
- Title (varchar2(30))
- Marks (Number(5))

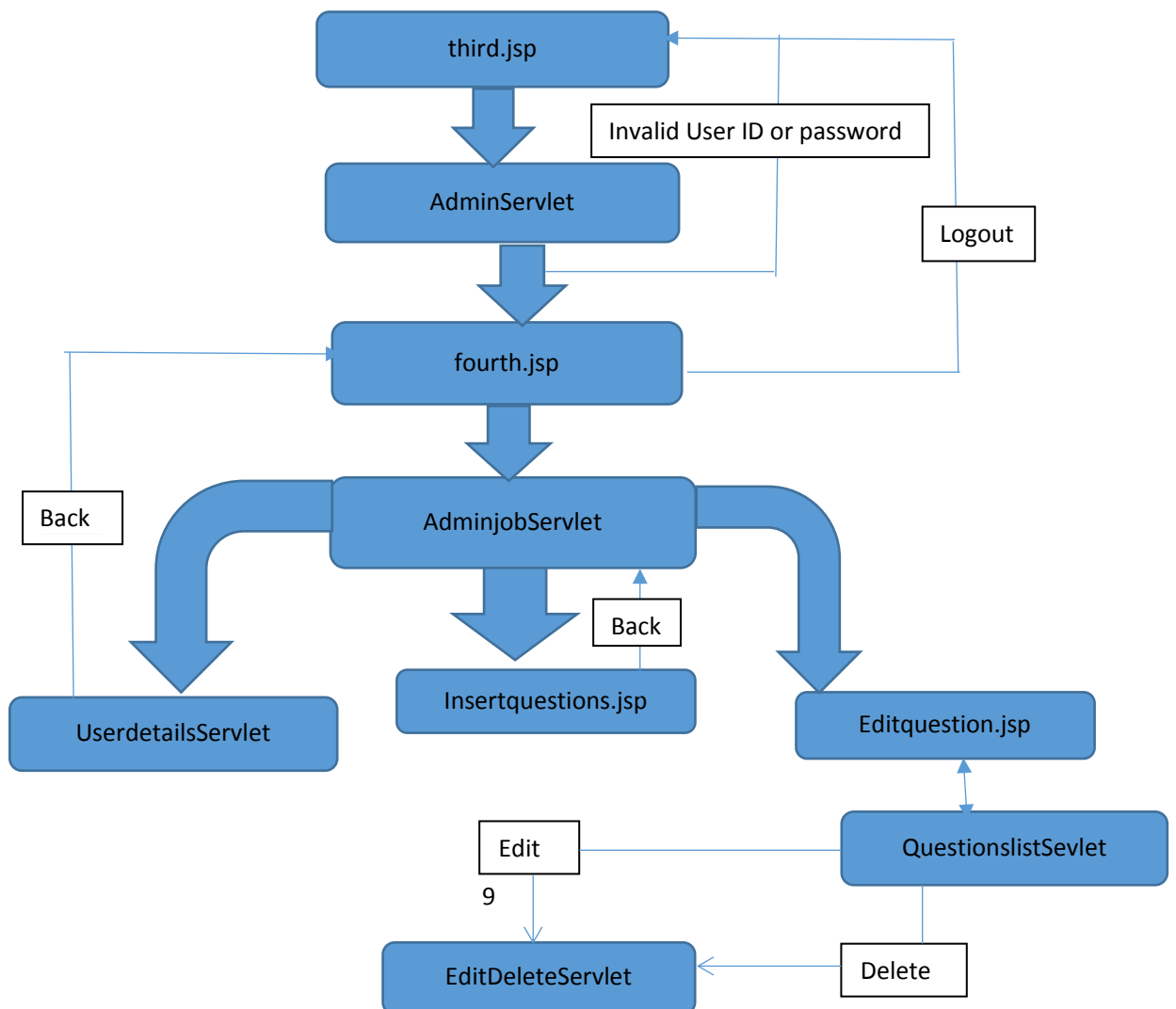


## 5>Page Flow diagrams

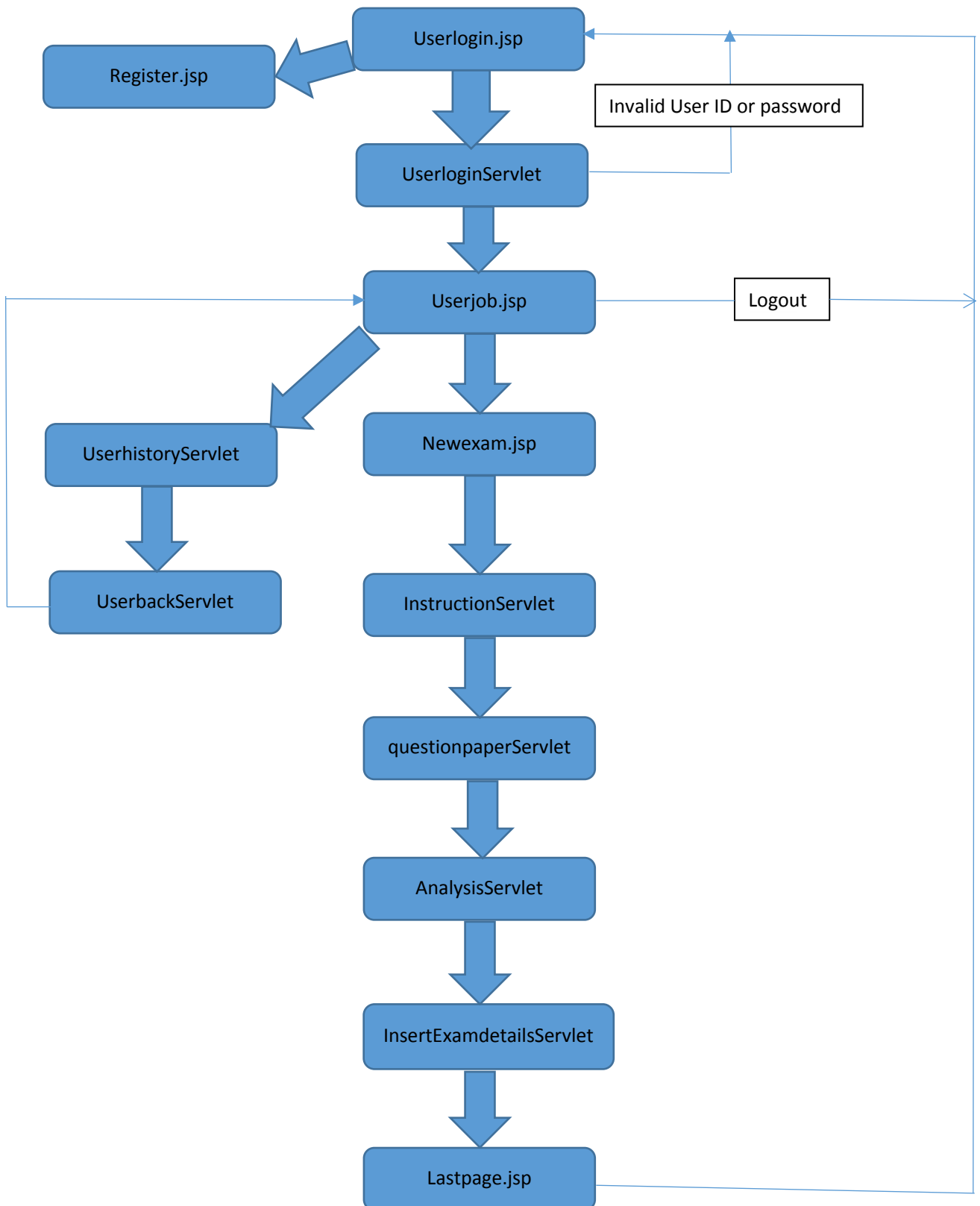
### COMMON:



### ADMINISTRATOR:

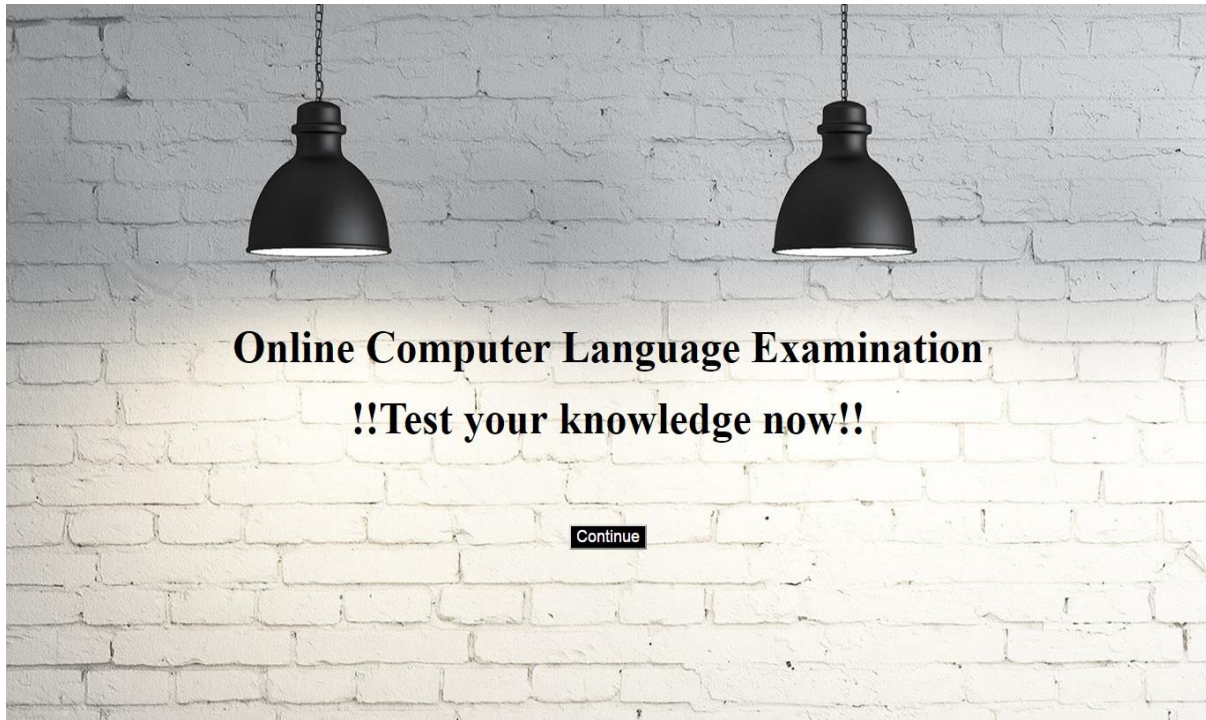


## USER:

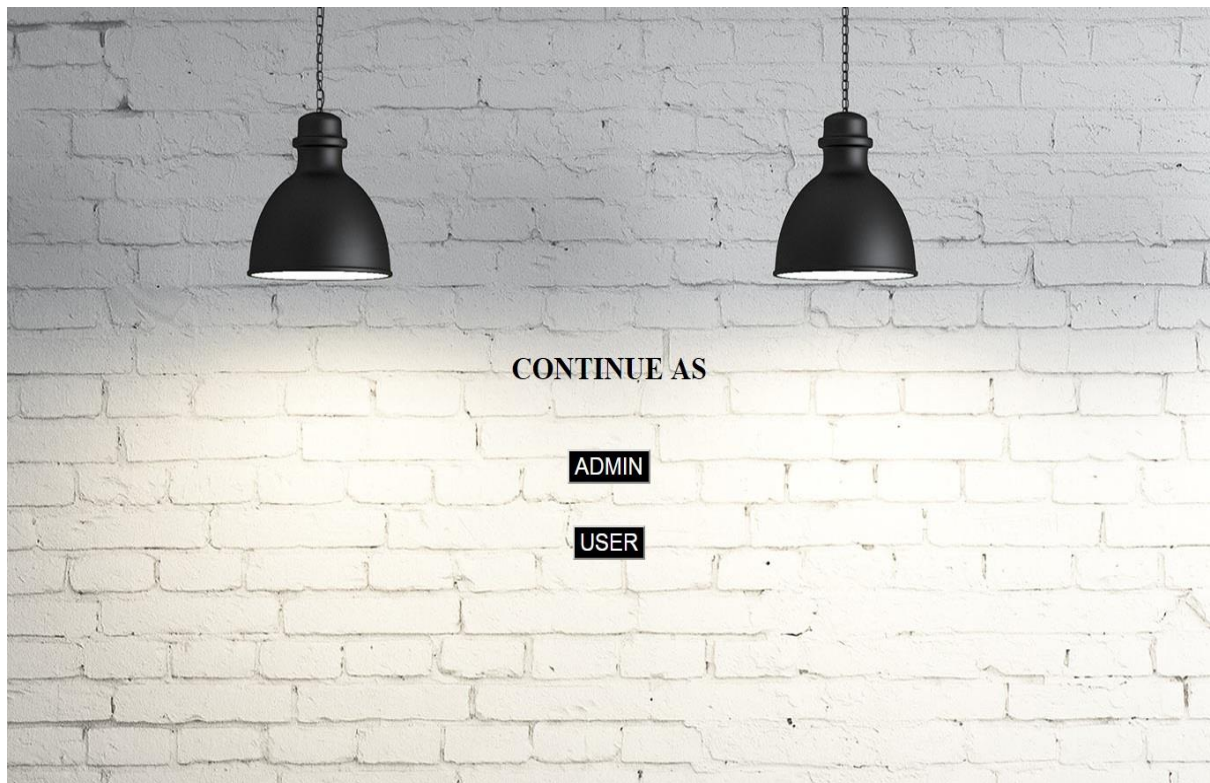


## **6<Screenshots:**

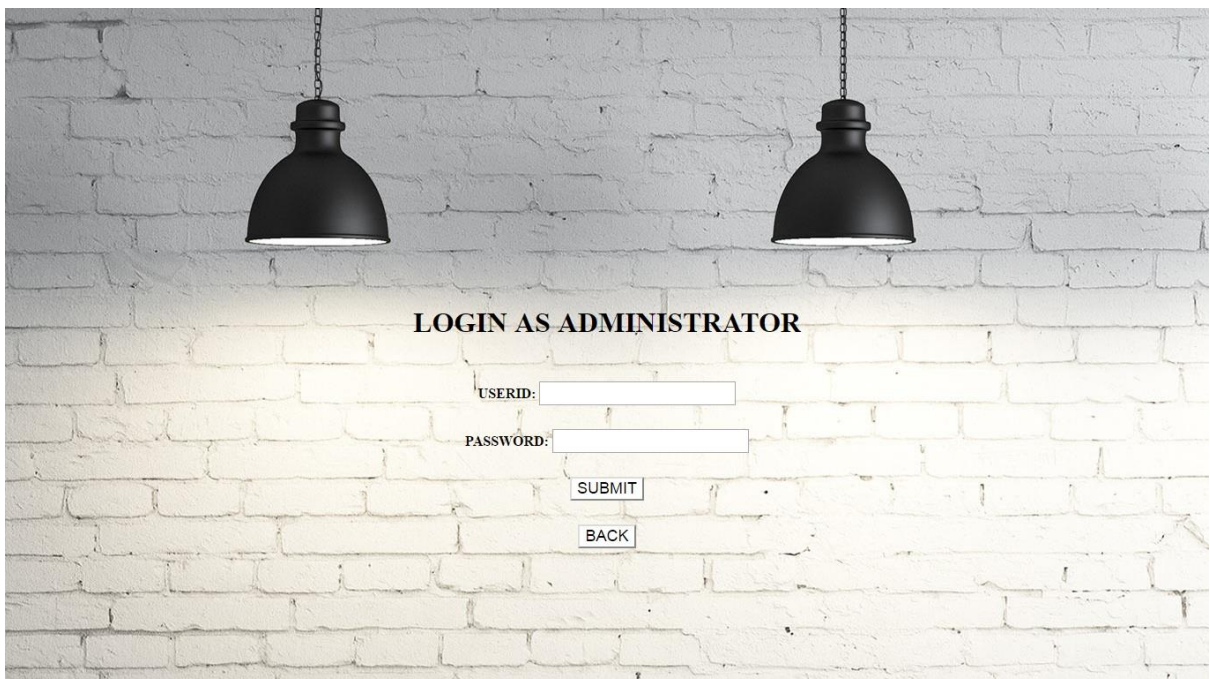
### **Firstpage.html**



### **Second.html**

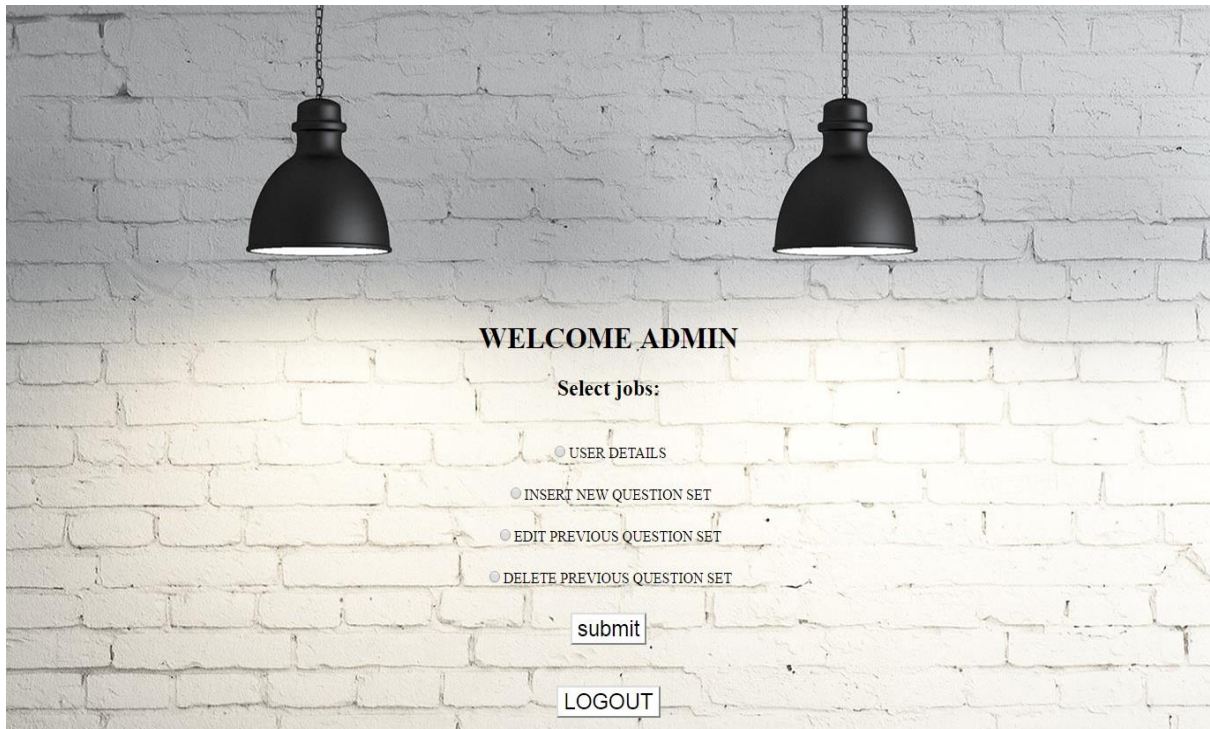


## Third.html





## Fourth.html

The image shows a web interface for an admin dashboard. It features a light gray brick wall background with two black pendant lamps hanging from the top. The text 'WELCOME ADMIN' is centered in a bold, black, serif font. Below it, the text 'Select jobs:' is followed by four radio button options: 'USER DETAILS', 'INSERT NEW QUESTION SET', 'EDIT PREVIOUS QUESTION SET', and 'DELETE PREVIOUS QUESTION SET'. A 'submit' button is located below the options, and a 'LOGOUT' button is at the bottom center.

**WELCOME ADMIN**

Select jobs:

☐ USER DETAILS

☐ INSERT NEW QUESTION SET

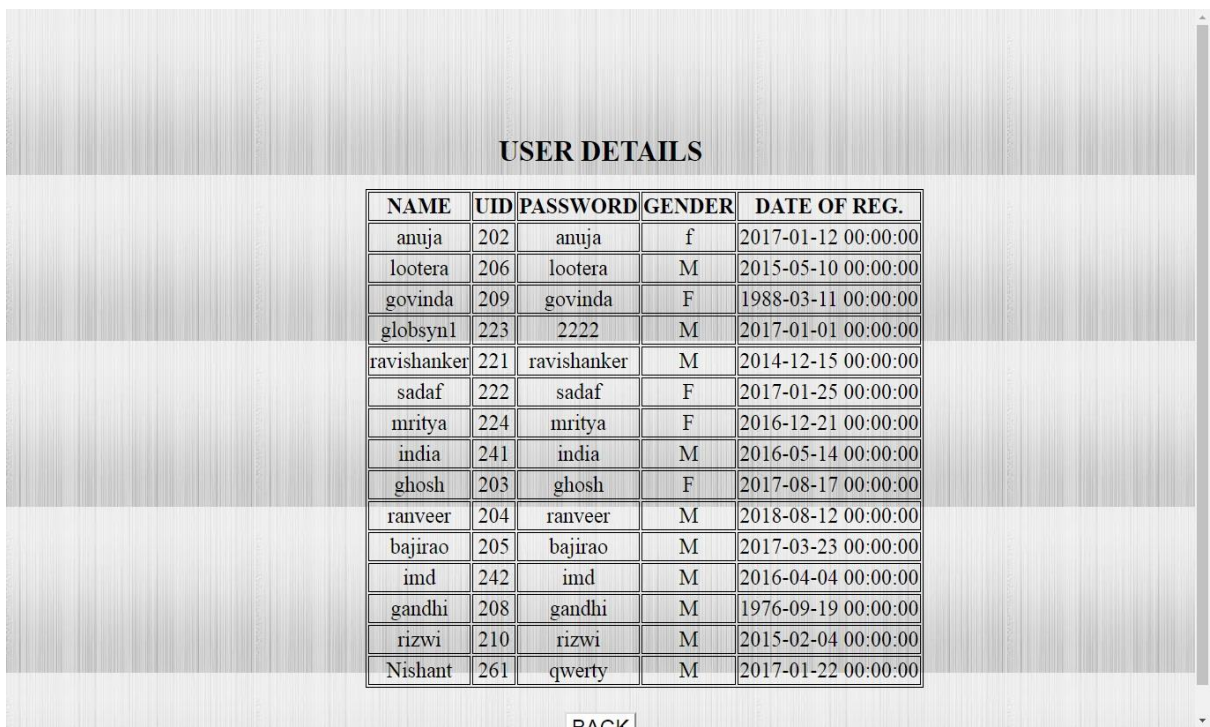
☐ EDIT PREVIOUS QUESTION SET

☐ DELETE PREVIOUS QUESTION SET

submit

LOGOUT

## UserdetailsServlet

The image shows a web interface for displaying user details. It features a light gray brick wall background with two black pendant lamps hanging from the top. The text 'USER DETAILS' is centered in a bold, black, serif font. Below it is a table with five columns: NAME, UID, PASSWORD, GENDER, and DATE OF REG. The table contains 16 rows of user data. A 'BACK' button is located at the bottom center.

**USER DETAILS**

NAME	UID	PASSWORD	GENDER	DATE OF REG.
anuja	202	anuja	f	2017-01-12 00:00:00
lootera	206	lootera	M	2015-05-10 00:00:00
govinda	209	govinda	F	1988-03-11 00:00:00
globsynl	223	2222	M	2017-01-01 00:00:00
ravishanker	221	ravishanker	M	2014-12-15 00:00:00
sadaf	222	sadaf	F	2017-01-25 00:00:00
mritya	224	mritya	F	2016-12-21 00:00:00
india	241	india	M	2016-05-14 00:00:00
ghosh	203	ghosh	F	2017-08-17 00:00:00
ranveer	204	ranveer	M	2018-08-12 00:00:00
bajirao	205	bajirao	M	2017-03-23 00:00:00
imd	242	imd	M	2016-04-04 00:00:00
gandhi	208	gandhi	M	1976-09-19 00:00:00
rizwi	210	rizwi	M	2015-02-04 00:00:00
Nishant	261	qwerty	M	2017-01-22 00:00:00

BACK

## Insertquestions.jsp

**ADD NEW QUESTION ALONG WITH FULL DETAILS**

QUESTION:

OPTA:

OPTB:

OPTC:

OPTD:

ANSWER:

TITLE:

DIFFICULTY LEVEL:

## Editquestions.jsp

**UPDATE PREVIOUS QUESTION SET**

SET TITLE:

CHOOSE DIFFICULTY LEVEL: ☒ AVERAGE ☐ DIFFICULT

## QuestionlistServlet

SUBJECT CHOSEN: c++ DIFFICULTY LEVEL: average

QID	QUESTION	EDIT	DELETE
140	Declare the following statement? "An array of three pointers to chars"	EDIT	DELETE
137	what is the similarity between a structure,union,enumeration?	EDIT	DELETE
138	In which stage the following code "#include" gets replaced by the contents of the file stdio.h	EDIT	DELETE
139	What will happen if in a C program you assign a value to an array element whose subscript exceeds the size of array?	EDIT	DELETE
170	Logical expressions produce _____ type results.	EDIT	DELETE
171	Scope resolution operator is used _____	EDIT	DELETE
163	Which of the following perfect set of operators can't be overloaded in CPP ?	EDIT	DELETE
164	When overloading unary operators using Friend function, it requires _____ argument/s.	EDIT	DELETE
165	Which of the following is/are valid ways to allocate memory for an integer by dynamic memory allocation in CPP?	EDIT	DELETE
169	Which of the following is not a casting operator in CPP?	EDIT	DELETE

BACK

## EditDeleteServlet(for editing)

140 Quest-> Declare the following statement? "An array of three pointers to chars"

Opta-> char \*ptr[3]();

Optb-> char \*ptr[3];

Optc-> char (\*ptr[3])();

Optd-> char \*\*ptr[3];

Ans-> b

ENTER CORRECT QUESTION

ENTER OPTION A

ENTER OPTION B

ENTER OPTION C

ENTER OPTION D

ENTER CORRECT ANSWER

EDIT QUESTION

BACK



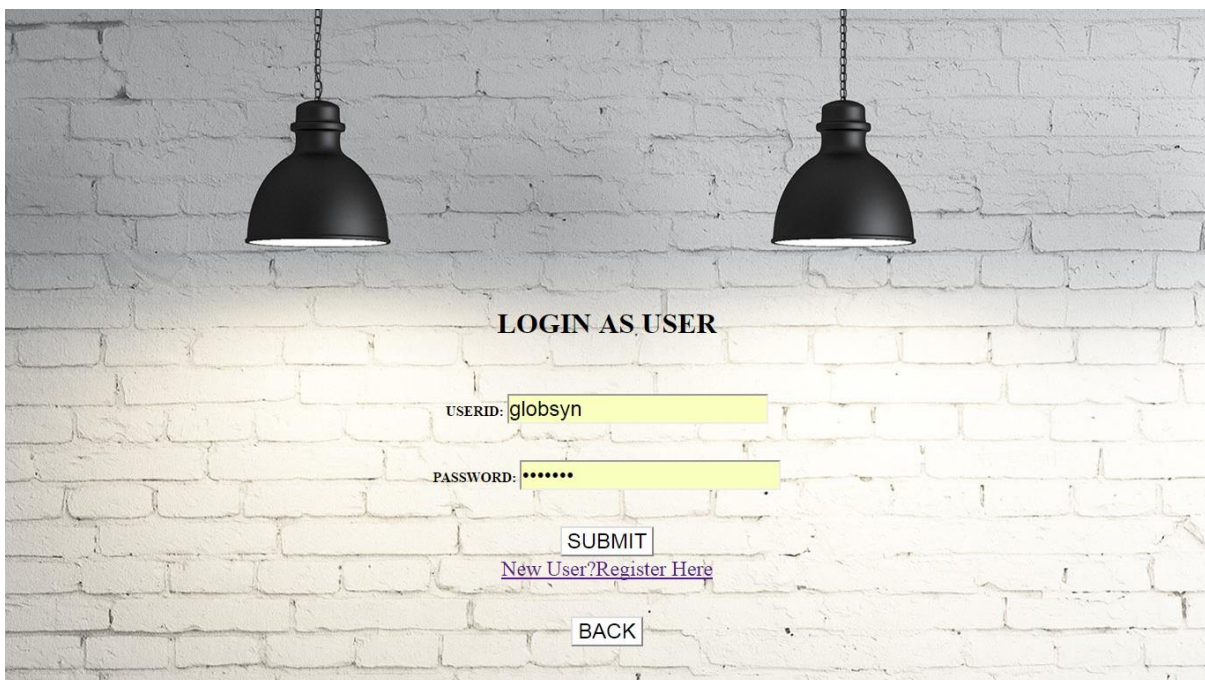
## EditDeleteServlet(for deleting)

124 Quest-> In C Programming array index is always starts from  
Opta-> 0  
Optb-> 1  
Optc-> 2  
Optd-> 4  
Ans-> a

DELETE

BACK

## Userlogin.jsp



LOGIN AS USER

USERID: globsyn

PASSWORD: .....

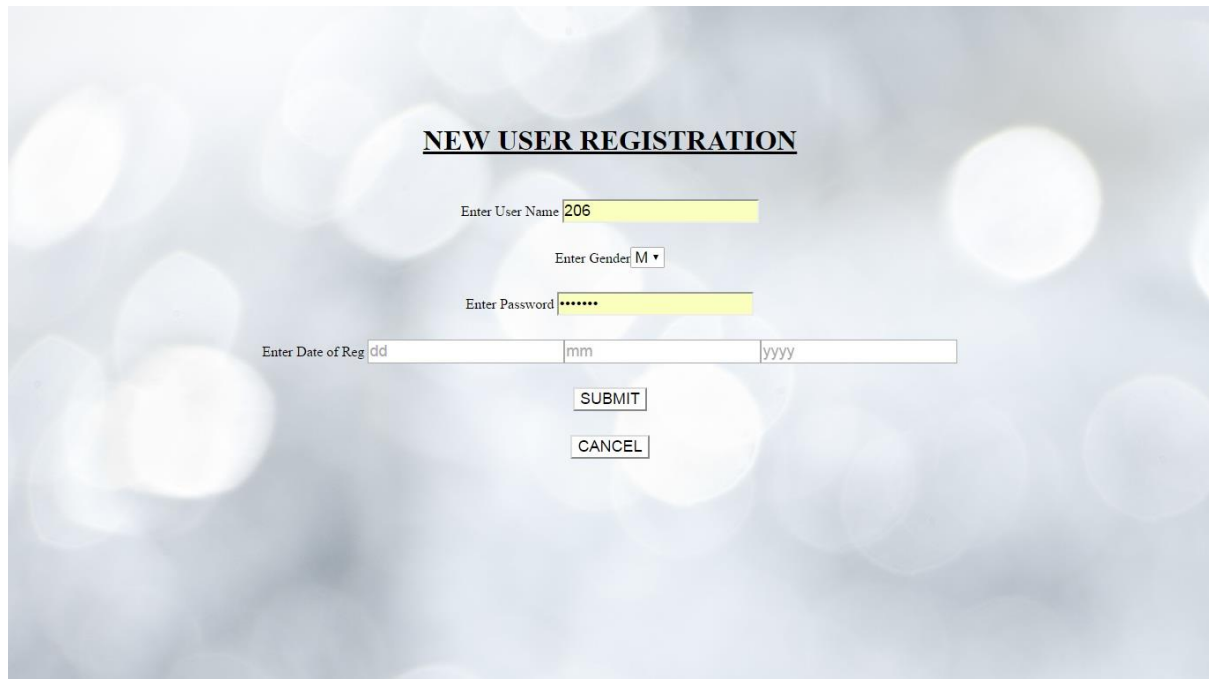
SUBMIT

[New User?Register Here](#)

BACK



## Register.jsp



**NEW USER REGISTRATION**

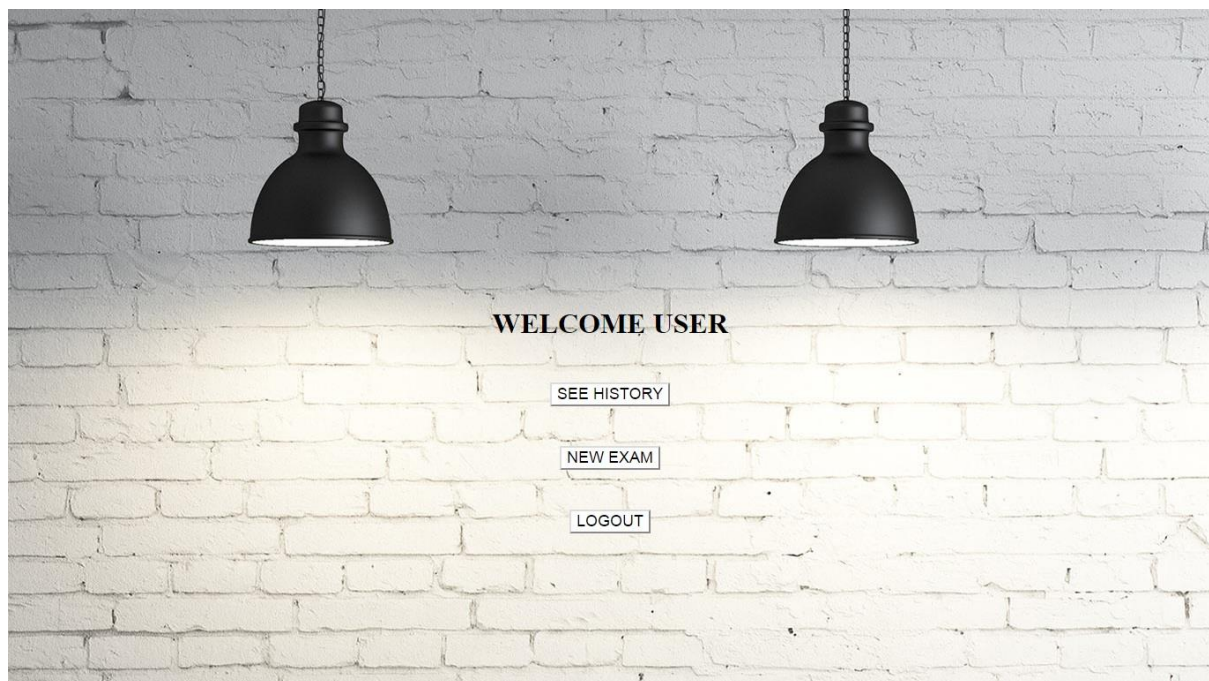
Enter User Name

Enter Gender

Enter Password

Enter Date of Reg

## Userjob.jsp



**WELCOME USER**

## Userhistoryservlet

**CURRENT USER NAME=lootera**

UID	NAME	TITLE OF EXAM	MARKS(%)	DATE OF EXAM
206	lootera	java	20	2017-01-21
206	lootera	java	80	2017-01-21
206	lootera	c++	0	2017-01-21
206	lootera	c	60	2017-01-21
206	lootera	c	60	2017-01-21

## NewExam.jsp

Choose your subject title

Choose Difficulty level: ☒ AVERAGE ☐ DIFFICULT

## InstructionServlet

**SUBJECT TITLE CHOSEN: C**

**INSTRUCTIONS**  
Please read instructions carefully

- you will have 5 questions based on ur chosen difficulty level
- Each question will have 4 options mentioned
- Choose the correct option as there is only one correct answer
- Click finish only once and only u r done

## Questionpaperservlet

**SUBJECT CHOSEN: c DIFFICULTY LEVEL: difficult**

**1. what is the similarity between a structure,union and enumeration?**

- ☐ all of them let you define new values
- ☐ all of them let you define new data types
- ☐ all of them let you define new pointers
- ☐ all of them let you define new structures

**2. Following is the invalid inclusion of a file to the current program.Identify it.**

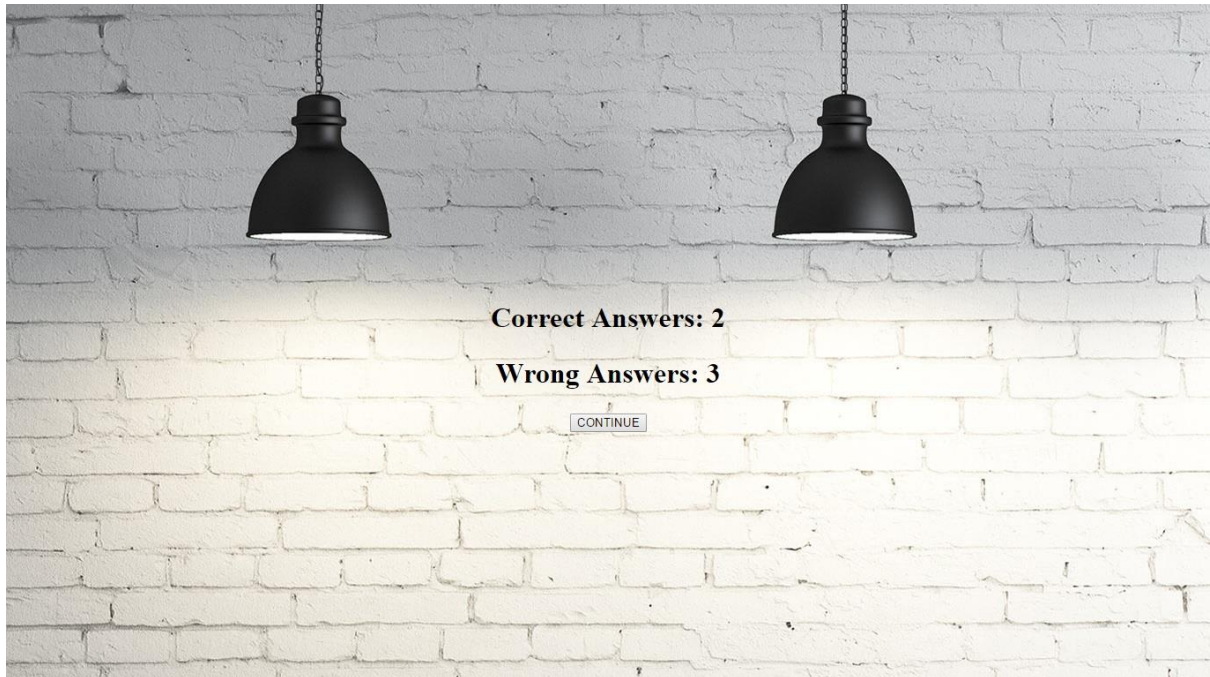
- ☐ #include
- ☐ #include "file"
- ☐ #include < file
- ☐ all of the above are invalid

**3. What will be output if you will compile and execute the following c code? void main(){char c=125;c=c+10;printf("%d",c);}**

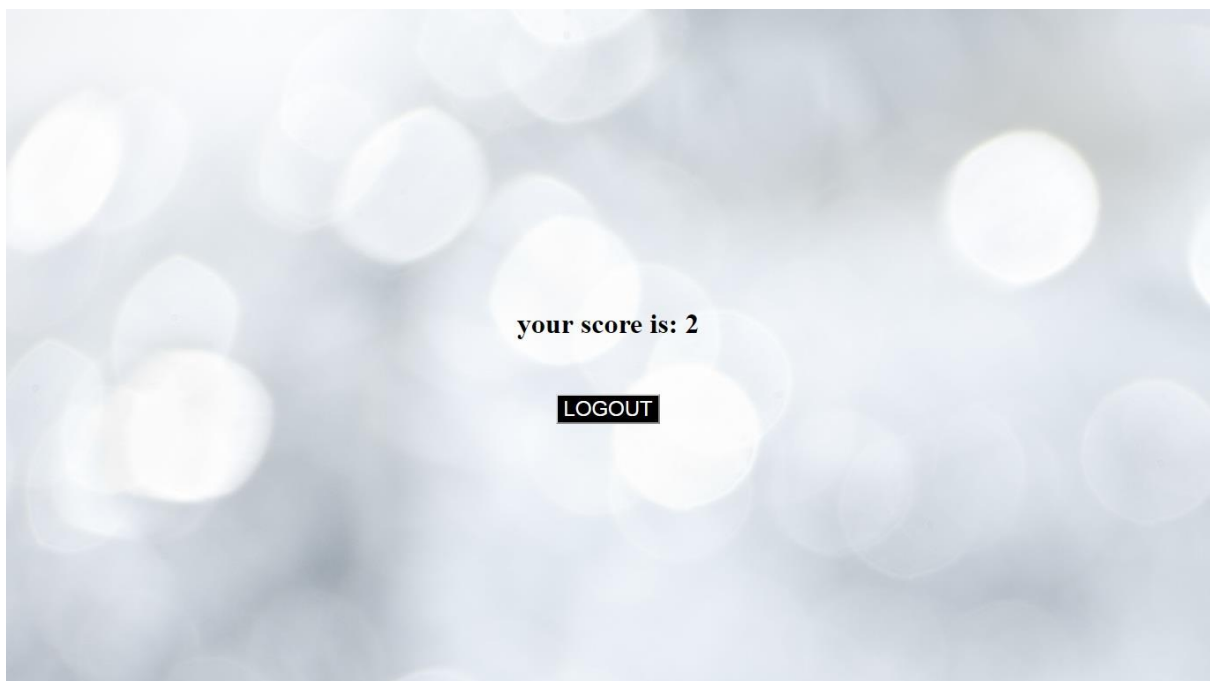
- ☐ 135
- ☐ +INF
- ☐ -121



## AnalysisServlet



## Lastpage.jsp



## 7<Future Scope of Improvement:

- A Timer can be added at the start of the examination to show the amount of time left.
- A 'forgot password' option can be added at the login page to help administrator or students alike in the case they forget their password.
- A leaderboard table can be added to encourage students to score higher than their classmates.
- An algorithm can be added which customizes a test according to the students weakness, on statistical data gathered from his previous tests.

## 8<CODE:

### Firstpage.html

```
<html>
<head>
<title>First page</title>
<style type="text/css">
  body {background-image:url(black.jpg);}
  h1 {font-style:bold;
      text-align:center;
      color:black;
      margin-top:25%;
      font-size:xx-large;}
  img {height:350px;
        width:350px;
        margin-left:10%;}
  h3 {
      text-align:center;
  }
  form{text-align:center;}
  input{background-color:black;
        color:white;
        font-size:large;
        margin-top:5%;
  }
</style>
</head>
<body>
<h1><font size="10">Online Computer Language Examination</font></h1>
<h3><font size="7" face="bold">!!Test your knowledge now!!</font></h3>
<form action="second.html">
<input type="submit" value="Continue"/>
</form>
</body>
</html>
```

## Second.html

```
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
<title>Online Examination</title>
<style type="text/css">
    body {background-image:url(black.jpg);}
    h1 {font-style:bold;
        text-align:center;
        color:black;
        margin-top:25%;
        font-size:xx-large;}
    form{text-align:center;}
    input{background-color:black;
        color:white;
        font-size:x-large;
        margin-top:3%;}
</style>
</head>
<body>
<h1>CONTINUE AS</h1>
<form action="third.jsp">
    <input type="submit" value="ADMIN"/>
</form>
<form action="UserLogin.jsp">
    <input type="submit" value="USER"/>
</form>
</body>
</html>
```

## Third.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<title>ONLINE EXAMINATION</title>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">

<style type="text/css">
    body {background-image:url(black.jpg);}
    h1 {font-style:bold;
        text-align:center;
        color:black;
        margin-top:25%;
        font-size:xx-large;}
    form{text-align:center;}
    input{ background-color:white;
```

```

                text-color:black;
                font-size:Large;
                margin-top:2%;
            }
            div{text-align:center;}
</style>
</head>
<body>

<h1>LOGIN AS ADMINISTRATOR</h1>
<%
    String errmsg=request.getParameter("error");
    if(errmsg!=null){
%>
<div><font color="red" size="4">INVALID ID AND PASSWORD</font></div><%} %>
<form action="Admin" method="post">
<strong>USERID: </strong><input type="text" name="userid"/><br/>
<strong>PASSWORD: </strong><input type="password" name="pass"/><br/>
<input type="submit" value="SUBMIT"/>
</form>
<form action="second.html">
<input type="submit" value="BACK"/>
</form>
</body>
</html>

```

## AdminServlet.java

```
package org.project;
```

```
import java.io.IOException;
import java.io.PrintWriter;
import java.sql.SQLException;
```

```
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;
```

```
/**
 * Servlet implementation class AdminServlet
 */
```

```

@WebServlet("/Admin")
public class AdminServlet extends HttpServlet {
    private static final long serialVersionUID = 1L;

    /**
     * @see HttpServlet#HttpServlet()
     */
    public AdminServlet() {
        super();
        // TODO Auto-generated constructor stub
    }

    /**
     * @see HttpServlet#doGet(HttpServletRequest request,
    HttpServletResponse response)
     */
    protected void doGet(HttpServletRequest request,
    HttpServletResponse response) throws ServletException,
    IOException {
        // TODO Auto-generated method stub
    }

    /**
     * @see HttpServlet#doPost(HttpServletRequest request,
    HttpServletResponse response)
     */
    protected void doPost(HttpServletRequest request,
    HttpServletResponse response) throws ServletException,
    IOException {
        // TODO Auto-generated method stub
    }
}

```



```

        response.setContentType("text/html");
        PrintWriter out=response.getWriter();
        out.println("<html><body>");
        String userid=request.getParameter("userid");
        String pass=request.getParameter("pass");
        try{
            DataAccess da=new DataAccess();
            boolean b=da.validate(userid,pass);
            if(b)
            {
                response.sendRedirect("fourth.jsp");
            }
            else
            {
                response.sendRedirect("third.jsp?error=invalid")
            }
        }
        catch (SQLException e) {
            // TODO Auto-generated catch block
            e.printStackTrace();

            out.println("<h3>ERROR:"+e.getMessage()+"</h3>");
        }

        out.println("</body></html>");
        out.close();
    }
}

```

}

## Fourth.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
<title>ONLINE EXAMINATION</title>
<script
src="http://ajax.googleapis.com/ajax/libs/jquery/1.9.1/jquery.min.js"></script>
    <script src="http://ajax.googleapis.com/ajax/libs/jqueryui/1.10.2/jquery-
ui.min.js">
    </script>
<style type="text/css">
    body {background-image:url(black.jpg);}
    h1 {font-style:bold;
        text-align:center;
        color:black;
        margin-top:25%;
        font-size:xx-large;}
    h2{font-style:bold;
        text-align:center;
        color=black;
        font-size:x-large;}
    form{text-align:center;}
    a{text-align:center;}
    input{ background-color:white;
           text-color:black;
           font-size:x-large;
           font-style:bold;
           margin-top:2%;}
    div{text-align:center;}
</style>
</head>
<body>
<h1>WELCOME ADMIN</h1>
<%
    String emsg=request.getParameter("msg");
    if(emsg!=null){
%>
<h2><font color="black">QUESTION ADDED SUCCESSFULLY</font></h2><%> %>
<h2>Select jobs:</h2>
<form action="adminjob">
<input type="radio" name="job" value="user"/>USER DETAILS<br/>
<input type="radio" name="job" value="insert"/>INSERT NEW QUESTION SET<br/>
<input type="radio" name="job" value="edit"/>EDIT PREVIOUS QUESTION SET<br/>
<input type="radio" name="job" value="delete"/>DELETE PREVIOUS QUESTION SET<br/>
<input type="submit" value="submit"/>
</form>
<form action="third.jsp">
<input type="submit" value="LOGOUT"/></form>
</body>
```

```

<script>
    $(document).ready(function() {
        function disableBack() { window.history.forward() }
        window.onload = disableBack();
        window.onpageshow = function(evt) { if (evt.persisted) disableBack() }
    });
</script>
</html>

```

## **AdminjobServlet.java**

```
package org.project;
```

```
import java.io.IOException;
```

```
import java.io.PrintWriter;
```

```
import javax.servlet.ServletException;
```

```
import javax.servlet.annotation.WebServlet;
```

```
import javax.servlet.http.HttpServlet;
```

```
import javax.servlet.http.HttpServletRequest;
```

```
import javax.servlet.http.HttpServletResponse;
```

```
import javax.servlet.http.HttpSession;
```

```
/**
```

```
 * Servlet implementation class AdminjobServlet
```

```
 */
```

```
@WebServlet("/adminjob")
```

```
public class AdminjobServlet extends HttpServlet {
```

```
    private static final long serialVersionUID = 1L;
```

```
    /**
```

```
     * @see HttpServlet#HttpServlet()
```

```
     */
```

```
    public AdminjobServlet() {
```

```
        super();
```

```
        // TODO Auto-generated constructor stub
```

```
    }
```

```

/**
 * @see HttpServlet#doGet(HttpServletRequest request,
 * HttpServletResponse response)
 */
protected void doGet(HttpServletRequest request,
HttpServletResponse response) throws ServletException,
IOException {
    // TODO Auto-generated method stub
    response.setContentType("text/html");
    PrintWriter out=response.getWriter();
    //HttpSession session=request.getSession(false);
    //if(session!=null){
    out.println("<html><body>");

    String udetails=request.getParameter("job");
    if(udetails.equals("user")){
        response.sendRedirect("userdetails");
    }
    else if(udetails.equals("insert"))
    {
        response.sendRedirect("insertquestions.jsp");
    }
    else if(udetails.equals("edit"))
    {
        response.sendRedirect("Editquestions.jsp");
    }
    else if(udetails.equals("delete"))
    {
        response.sendRedirect("Editquestions.jsp");
    }
}

```

```

        out.println("</body></html>");
        out.close();
    }

    /**
     * @see HttpServlet#doPost(HttpServletRequest request,
     * HttpServletResponse response)
     */
    protected void doPost(HttpServletRequest request,
        HttpServletResponse response) throws ServletException,
        IOException {
        // TODO Auto-generated method stub
        doGet(request, response);
    }

}

```

### **Userdetailsservlet.java**

```

package org.project;

import java.io.IOException;
import java.io.PrintWriter;
import java.sql.SQLException;
import java.util.ArrayList;

import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

```

```

/**
 * Servlet implementation class UserDetailsServlet
 */
@WebServlet("/userdetails")
public class UserDetailsServlet extends HttpServlet {
    private static final long serialVersionUID = 1L;

    /**
     * @see HttpServlet#HttpServlet()
     */
    public UserDetailsServlet() {
        super();
        // TODO Auto-generated constructor stub
    }

    /**
     * @see HttpServlet#doGet(HttpServletRequest request,
     HttpServletResponse response)
     */
    protected void doGet(HttpServletRequest request,
        HttpServletResponse response) throws ServletException,
        IOException {
        // TODO Auto-generated method stub
        response.setContentType("text/html");
        PrintWriter out=response.getWriter();
        out.println("<html><head>");
        out.println("<style type=\"text/css\">"
            +"body {background-image:url(do.jpg);}");
    }
}

```

```

        out.println("h1 {font-style:bold;text-align:center;text-color:black;margin-top:10%;font-size:xx-large;}");
out.println("table{font-style:bold;margin-left:30%;"+
        +"text-align:center;text-color:black;"
        +"font-size:x-large;border-color:black;}"
+"form{text-align:center;}"
+"input{ background-color:white;"
        +"        text-color:black;"
        +"font-size:x-large;"
        +"font-style:bold;"
        +"margin-top:2%;}");
out.println("</style></head><body>");
out.println("<h1>USER DETAILS</h1>");
String errmsg=request.getParameter("msg");
if(errmsg!=null)
{
    out.println("<h1>change successful</h1>");
}
try {
    DataAccess da=new DataAccess();
    ArrayList<Udetails> ud=da.getuserdetails();
    if(ud!=null){
        out.println("<div><table border=\"1\">");

        out.println("<tr><th>NAME</th><th>UID</th><th>PASSWORD</th><th>GENDER</th><th>DATE OF REG.</th></tr>");
        for(Udetails u:ud)
        {

```

```

        out.println("<tr><td>" + u.getName() + "</td><td>" +
u.getId() + "</td><td>" + u.getPassword() + "</td><td>"
+ u.getGender() + "</td><td>" + u.getDor() + "</td></
tr>");
    }
    out.println("</table></div>");}
else{
    out.println("<h1>NO USER DETAILS</h1>");
}
    out.println("<form
action=\"fourth.jsp\"><input type=\"submit\"
value=\"BACK\"/></form>");

        } catch (SQLException e) {
// TODO Auto-generated catch block
e.printStackTrace();

        out.println("<h3>ERROR:="+e.getMessage()+"</h
3>");
    }
    out.println("</body></html>");
    out.close();
}

/**
 * @see HttpServlet#doPost(HttpServletRequest request,
HttpServletResponse response)
 */

```



```
protected void doPost(HttpServletRequest request,
HttpServletRequest response) throws ServletException,
IOException {
```

```
    // TODO Auto-generated method stub
    doGet(request, response);
```

```
}
```

```
}
```

## Insertquestions.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
<title>ONLINE EXAMINATION</title>
<style type="text/css">
    body {background-image:url(animal.jpg);}
    h1 {font-style:bold;
        text-align:center;
        color:black;
        font-size:xx-large;}
    h2{font-style:bold;
        text-align:center;
        color=black;
        font-size:x-large;}
    form{text-align:center;}
    input{ background-color:white;
           text-color:black;
           font-size:x-large;
           font-style:bold;
           margin-top:2%;}
    select{
        background-color:white;
        text-color:black;
        font-size:x-large;
        font-style:bold;
        margin-top:2%;
    }
    div{text-align:center;}
</style>
</head>
<body>
<h1>ADD NEW QUESTION ALONG WITH FULL DETAILS</h1>
<form action="insertquest">
QUESTION: <input type="text" name="ques"/><br/>
```

```

OPTA: <input type="text" name="a"/><br/>
OPTB: <input type="text" name="b"/><br/>
OPTC: <input type="text" name="c"/><br/>
OPTD: <input type="text" name="d"/><br/>
ANSWER: <input type="text" name="ans"/><br/>
TITLE: <input type="text" name="title"/><br/>
DIFFICULTY LEVEL:<select name="option">
<option>average</option>
<option>difficult</option>
</select><br/>
<input type="submit" value="SAVE"/>
</form>
<form action="fourth.jsp"><input type="submit" value="BACK"/></form>
</body>
</html>

```

## Editquestions.jsp

```

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
<title>ONLINE EXAMINATION</title>
<style type="text/css">
    body {background-image:url(black.jpg);}
    h1 {font-style:bold;
        text-align:center;
        color:black;
        margin-top:25%;
        font-size:xx-large;}
    h2{font-style:bold;
        text-align:center;
        color:red;
        font-size:x-large;}
    form{text-align:center;}
    input{ background-color:white;
        text-color:black;
        font-size:x-large;
        font-style:bold;
        margin-top:2%;}
    select{
        background-color:white;
        text-color:black;
        font-size:x-large;
        font-style:bold;
        margin-top:2%;
    }
    div{text-align:center;}
</style>
</head>
<body>
<h1>UPDATE PREVIOUS QUESTION SET</h1>
<%
    String errmsg=request.getParameter("msg");
    if(errmsg!=null){
%>
<h2>Change successfully saved</h2>

```

```

<%} %>
<form action="questionlist">
SET TITLE <select name="option">
<option>c</option>
<option>c++</option>
<option>java</option>
</select><br/>
CHOOSE DIFFICULTY LEVEL<input type="radio" name="dlevel"
value="average"/>AVERAGE<input type="radio" name="dlevel"
value="difficult"/>DIFFICULT
<br/><input type="submit" value="SUBMIT"/><br/>
</form>
<form action="fourth.jsp">
<input type="submit" value="BACK">;
</form>
</body>
</html>

```

## Questionslist.java

```
package org.project;
```

```

import java.io.IOException;
import java.io.PrintWriter;
import java.sql.SQLException;
import java.util.ArrayList;

```

```

import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

```

```

/**
 * Servlet implementation class Questionlist
 */
@WebServlet("/questionlist")
public class Questionlist extends HttpServlet {
private static final long serialVersionUID = 1L;

```

```

/**
 * @see HttpServlet#HttpServlet()
 */
public Questionlist() {
    super();
    // TODO Auto-generated constructor stub
}

/**
 * @see HttpServlet#doGet(HttpServletRequest request,
HttpServletResponse response)
 */
protected void doGet(HttpServletRequest request,
HttpServletResponse response) throws ServletException,
IOException {
    // TODO Auto-generated method stub
    response.setContentType("text/html");
    PrintWriter out=response.getWriter();
    out.println("<html><head>");
    out.println("<style type=\"text/css\">"
        +"body {background-
image:url(animal.jpg);}");
    out.println("h1 {font-style:bold;text-
color:black;font-size:xx-large;}");
    out.println("h2 {text-align:right;text-
color:black;font-size:xx-large;}");
    out.println("form{"
        +"font-size:x-large;"
        +"font-style:bold;}");
    out.println("table {margin-left:10%}");
    out.println("</style></head><body>");

```

```

String title=request.getParameter("option");
String level=request.getParameter("dlevel");
request.getSession().setAttribute("TITLE", title);
out.println("<h1>SUBJECT CHOSEN: "+title );
out.println(" DIFFICULTY LEVEL: "+level+"
</h1><br/>");
try {
    DataAccess da=new DataAccess();
    ArrayList<Questions>
ques=da.getquestionpaper(title, level);

    out.println("<table border=\"1\">");

    out.println("<tr><th>QID</th><th>QUESTION</th>
><th>EDIT</th><th>DELETE</th></tr>");
    for(Questions u:ques)
    {
        out.println("<tr><td> "+u.getQid()+
</td><td> "+u.getQuestion()+" </td><td><form
action=\"editdelete\"><input type=\"hidden\"
name=\"hidden\" value= \" "+u.getQid()+\" /><input
type=\"submit\" name=\"choice\"
value=\"EDIT\"/></td><td><input type=\"submit\"
name=\"choice\" value=\"DELETE\"></td></form></tr>");

    }
    out.println("</table>");
} catch (SQLException e) {
    // TODO Auto-generated catch block
    e.printStackTrace();
    out.println("<h3>ERROR:
"+e.getMessage()+"</h3>");
}

```

```

        }
        out.println("<form
action=\"Editquestions.jsp\"><input type=\"submit\"
value=\"BACK\"/></form>");
        out.println("</body></html>");
        out.close();
    }

/**
 * @see HttpServlet#doPost(HttpServletRequest request,
HttpServletResponse response)
 */
protected void doPost(HttpServletRequest request,
HttpServletResponse response) throws ServletException,
IOException {
    // TODO Auto-generated method stub
    doGet(request, response);
}

}

```

## **EditDeleteServlet.java**

```

package org.project;

import java.io.IOException;
import java.io.PrintWriter;
import java.sql.SQLException;
import java.util.ArrayList;

import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;

```

```

import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

/**
 * Servlet implementation class EditDeleteServlet
 */
@WebServlet("/editdelete")
public class EditDeleteServlet extends HttpServlet {
    private static final long serialVersionUID = 1L;

    /**
     * @see HttpServlet#HttpServlet()
     */
    public EditDeleteServlet() {
        super();
        // TODO Auto-generated constructor stub
    }

    /**
     * @see HttpServlet#doGet(HttpServletRequest request,
     HttpServletResponse response)
     */
    protected void doGet(HttpServletRequest request,
        HttpServletResponse response) throws ServletException,
        IOException {
        // TODO Auto-generated method stub
        response.setContentType("text/html");
        PrintWriter out=response.getWriter();
        out.println("<html><head>");
        out.println("<style type=\"text/css\">")
    }
}

```

```

        +"body {background-
image:url(animal.jpg);}");
        out.println("h2 {text-align:left;text-
color:black;font-size:x-large;}");
        out.println("div {margin-left:5%;}");
        out.println("form{"
            +"font-size:x-large;"
            +"font-style:bold;}");
        out.println("</style></head><body>");
        String q=request.getParameter("hidden");
        int qid=Integer.parseInt(q);
        request.getSession().setAttribute("QID", qid);
        System.out.println("qid in editdelete= "+qid);
        try {
            DataAccess da=new DataAccess();
            Questions ques=da.getquestion(qid);
            out.println("<h2>"+qid);
            out.println("Quest->
"+ques.getQuestion()+"<br/>");
            out.println("Opta-> "+ques.getOpta()+"<br/>");
            out.println("Optb-> "+ques.getOptb()+"<br/>");
            out.println("Optc-> "+ques.getOptc()+"<br/>");
            out.println("Optd-> "+ques.getOptd()+"<br/>");
            out.println("Ans->
"+ques.getAnswer()+"</h2><br/>");
            String choice=request.getParameter("choice");
            if(choice.equals("EDIT"))
            {
                out.println("<form action=\"edit\">");
                out.println("ENTER CORRECT QUESTION<input
type=\"text\" name=\"question\"/><br/>");
            }
        }
    }
}

```



```

        out.println("ENTER OPTION A<input
type=\"text\" name=\"opa\"/><br/>");
        out.println("ENTER OPTION B<input
type=\"text\" name=\"opb\"/><br/>");
        out.println("ENTER OPTION C<input
type=\"text\" name=\"opc\"/><br/>");
        out.println("ENTER OPTION D<input
type=\"text\" name=\"opd\"/><br/>");
        out.println("ENTER CORRECT ANSWER<input
type=\"text\" name=\"ans\"/><br/>");
        out.println("<input type=\"submit\"
value=\"EDIT QUESTION\"/>");
        out.println("</form>");
    }
    else if(choice.equals("DELETE"))
    {
        out.println("<form action=\"delete\">");
        out.println("<input type=\"submit\"
value=\"DELETE\"/>");
        out.println("</form>");
    }

} catch (SQLException e) {
    // TODO Auto-generated catch block
    e.printStackTrace();
    out.println("<h3>ERROR:
"+e.getMessage()+"</h3>");
}
    out.println("<form
action=\"Editquestions.jsp\"><input type=\"submit\"
value=\"BACK\"/></form>");
    out.println("</body></html>");

```

```

        out.close();
    }

    /**
     * @see HttpServlet#doPost(HttpServletRequest request,
     * HttpServletResponse response)
     */
    protected void doPost(HttpServletRequest request,
        HttpServletResponse response) throws ServletException,
        IOException {
        // TODO Auto-generated method stub
        doGet(request, response);
    }

}

```

## Userlogin.jsp

```

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
    "http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
<title>ONLINE EXAMINATION</title>
<style type="text/css">
    body {background-image:url(black.jpg);}
    h1 {font-style:bold;
        text-align:center;
        color:black;
        margin-top:25%;
        font-size:xx-large;}
    div {text-align:center;
        font-size:x-large;}
    form{text-align:center;}
    a {margin-top:10%;}
    input{background-color:white;
        text-color:black;
        font-size:x-large;
        margin-top:3%;}
</style>
</head>

```

```

<body>
<h1>LOGIN AS USER</h1>
<%
    String errmsg=request.getParameter("error");
    if(errmsg!=null && errmsg.equals("invalid")){
%>
<div><font color="red" size="4">INVALID DATA</font></div>
<%}else if(errmsg!=null && !errmsg.equals("incorrect"))
{
    String userid=request.getParameter("error");
    int ud=Integer.parseInt(userid);
%>
<div><font color="red" size="4">USER REGISTERED,UID: <%=ud %> Use id and password
to login</font></div>
<%} %>
<form action="user">
<strong>USERID: </strong><input type="text" name="userid"/><br/>
<strong>PASSWORD: </strong><input type="password" name="pass"/><br/>
<input type="submit" value="SUBMIT"/>
<div><a href="register.jsp">New User?Register Here</a></div>
</form>
<form action="second.html"><input type="submit" value="BACK"></form>
</body>
</html>

```

## register.jsp

```

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
<title>ONLINE EXAMINATION</title>
<style type="text/css">
    body {background-image:url(animal.jpg);}
    h1 {font-style:bold;
        text-align:center;
        color:black;
        margin-top:10%;
        font-size:xx-large;}
    form{text-align:center;}
    input{ background-color:white;
        text-color:black;
        font-size:large;
        margin-top:2%;
    }
    select{background-color:white;
        text-color:black;
        font-size:large;
        margin-top:2%;
    }
    div{text-align:center;}
</style>
</head>
<body>
<h1><U>NEW USER REGISTRATION</U></h1>
<form action="userregister" method="post">
Enter User Name <input type="text" name="uname" required="required"/><br/>

```

```

Enter Gender<select name="option">
<option>M</option>
<option>F</option>
</select><br/>
Enter Password <input type="password" name="pwd" required="required"/><br/>
Enter Date of Reg <input type="text" name="date" required="required"
placeholder="dd"/><input type="text" name="month" required="required"
placeholder="mm"/><input type="text" name="year" required="required"
placeholder="yyyy"/><br/>
<input type="submit" value="SUBMIT"/>
</form>
<form action="Userlogin.jsp">
<input type="submit" value="CANCEL"/>
</form>
</body>
</html>

```

## UserloginServlet.java

## Userjob.jsp

```

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
<title>ONLINE EXAMINATION</title>
<script
src="http://ajax.googleapis.com/ajax/libs/jquery/1.9.1/jquery.min.js"></script>
    <script src="http://ajax.googleapis.com/ajax/libs/jqueryui/1.10.2/jquery-
ui.min.js">
    </script>
<style type="text/css">
    body {background-image:url(black.jpg);}
    h1 {font-style:bold;
        text-align:center;
        color:black;
        margin-top:25%;
        font-size:xx-large;}
    form{text-align:center;}
    input{ background-color:white;
        text-color:black;
        font-size:large;
        margin-top:2%;
    }
</style>
</head>
<body>
<h1>WELCOME USER</h1>
<form action="userhistory" method="post">
<input type="hidden" name="hidden" value="<%= (int)request.getAttribute("USERID")
%>"/>
<input type="submit" value="SEE HISTORY"/>
</form>
<br/>
<form action="newexam.jsp">
<input type="submit" value="NEW EXAM"/>
</form>

```

```

<br/>
<form action="UserLogin.jsp">
<input type="submit" value="LOGOUT">
</form>
</body>
<script>
    $(document).ready(function() {
        function disableBack() { window.history.forward() }
        window.onload = disableBack();
        window.onpageshow = function(evt) { if (evt.persisted) disableBack() }
    });
</script>
</html>

```

## **UserhistoryServlet.java**

**package org.project;**

**import java.io.IOException;**  
**import java.io.PrintWriter;**  
**import java.sql.SQLException;**  
**import java.text.NumberFormat;**  
**import java.util.ArrayList;**

**import javax.servlet.ServletException;**  
**import javax.servlet.annotation.WebServlet;**  
**import javax.servlet.http.HttpServlet;**  
**import javax.servlet.http.HttpServletRequest;**  
**import javax.servlet.http.HttpServletResponse;**

**/\*\***

**\* Servlet implementation class UserhistoryServlet**

**\*/**

**@WebServlet("/userhistory")**

**public class UserhistoryServlet extends HttpServlet {**  
**private static final long serialVersionUID = 1L;**

**/\*\***

**\* @see HttpServlet#HttpServlet()**

```

    */
    public UserhistoryServlet() {
        super();
        // TODO Auto-generated constructor stub
    }

    /**
     * @see HttpServlet#doGet(HttpServletRequest request,
     HttpServletResponse response)
     */
    protected void doGet(HttpServletRequest request,
        HttpServletResponse response) throws ServletException,
        IOException {
        // TODO Auto-generated method stub
    }

    /**
     * @see HttpServlet#doPost(HttpServletRequest request,
     HttpServletResponse response)
     */
    protected void doPost(HttpServletRequest request,
        HttpServletResponse response) throws ServletException,
        IOException {
        // TODO Auto-generated method stub
        response.setContentType("text/html");
        PrintWriter out=response.getWriter();
        out.println("<html><head>");
        out.println("<style type=\"text/css\">"
            +"body {background-
image:url(do.jpg);}");
    }

```

```

        out.println("h1 {font-style:bold;text-align:center;text-color:black;margin-top:10%;font-size:xx-large;}");
        out.println("table{font-style:bold;margin-left:30%;"+
            +"text-align:center;text-color:black;"
            +"font-size:x-large;border-color:black;}"
            +"form{text-align:center;}"
            +"input{ background-color:white;"
            +"      text-color:black;"
            +"      font-size:x-large;"
            +"      font-style:bold;"
            +"      margin-top:2%;}");
        out.println("</style></head><body>");
        String userid=request.getParameter("hidden");
        int uid=Integer.parseInt(userid);
        String
        username=(String)request.getSession().getAttribute("NAME");
        out.println("<h1>CURRENT USER NAME="+username+"</h1>");
        try {
            DataAccess da=new DataAccess();
            ArrayList<Examdetails>
list=da.getexamdetails(uid);
            int i;
            Double store;
            NumberFormat
m=NumberFormat.getNumberInstance();
            m.setMinimumFractionDigits(2);
            if(list==null){

```

```

        out.println("<h1>NO USER HISTORY
FOUND</h1>");
        out.println("<form action=\"userback\"
method=\"post\"><input type=\"hidden\"
name=\"hidden\" value=\"\"+uid+\"\"><input
type=\"submit\" value=\"BACK\"/></form>");
    }
    else
    {
        out.println("<div><table border=\"1\">");

        out.println("<tr><th>UID</th><th>NAME</th><th>
TITLE OF EXAM</th><th>MARKS(%)</th><th>DATE OF
EXAM</th></tr>");
        for(Examdetails u:list)
        {
            i=u.getMarks();
            i= (i*100/5);

            out.println("<tr><td>"+u.getUserid()+"</td><td>"+
u.getUsername()+"</td><td>"+u.getTitle()+"</td><td>"+

            +i+"</td><td>"+u.getExamdate()+"</td></tr>");

        }
        out.println("</table></div>");
        out.println("<form action=\"userback\"
method=\"post\"><input type=\"hidden\"
name=\"hidden\" value=\"\"+uid+\"\"><input
type=\"submit\" value=\"BACK\"/></form>");
    }
} catch (SQLException e) {

```



```

// TODO Auto-generated catch block
e.printStackTrace();

out.println("<h3>ERROR:"+e.getMessage()+"</h3>");
>");
}
out.println("</body></html>");
out.close();
}
}

```

## Newexam.jsp

```

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
<title>ONLINE EXAMINATION</title>
<style type="text/css">
    body {background-image:url(black.jpg);}
    h1 {font-style:bold;
        text-align:center;
        color:black;
        margin-top:25%;
        font-size:xx-large;}
    form{text-align:center;}
    select{        background-color:white;
                 text-color:black;
                 font-size:large;
                 margin-top:2%;
    }
    input{
        text-color:black;
        font-size:large;
        margin-top:2%;
    }
</style>
</head>
<body>
<form action="instruction">
<h1>Choose your subject title
<select name="option">
<option>c</option>
<option>c++</option>
<option>java</option>

```

```

</select></h1><br/>
<h2>Choose Difficulty level:
<input type="radio" name="difficulty" value="average" required="required"/>AVERAGE
<input type="radio" name="difficulty" value="difficult"
required="required"/>DIFFICULT
</h2>
<input type="submit" value="SUBMIT"/>
</form>
<form action="UserLogin.jsp"><input type="submit" value="BACK"/></form>
</body>
</html>

```

## **userbackServlet.java**

**package org.project;**

**import java.io.IOException;**

**import java.io.PrintWriter;**

**import javax.servlet.RequestDispatcher;**

**import javax.servlet.ServletException;**

**import javax.servlet.annotation.WebServlet;**

**import javax.servlet.http.HttpServlet;**

**import javax.servlet.http.HttpServletRequest;**

**import javax.servlet.http.HttpServletResponse;**

**/\*\***

**\* Servlet implementation class UserbackServlet**

**\*/**

**@WebServlet("/userback")**

**public class UserbackServlet extends HttpServlet {**

**private static final long serialVersionUID = 1L;**

**/\*\***

**\* @see HttpServlet#HttpServlet()**

**\*/**

**public UserbackServlet() {**

**super();**

```

        // TODO Auto-generated constructor stub
    }

    /**
     * @see HttpServlet#doGet(HttpServletRequest request,
     HttpServletResponse response)
     */
    protected void doGet(HttpServletRequest request,
        HttpServletResponse response) throws ServletException,
        IOException {
        // TODO Auto-generated method stub

    }

    /**
     * @see HttpServlet#doPost(HttpServletRequest request,
     HttpServletResponse response)
     */
    protected void doPost(HttpServletRequest request,
        HttpServletResponse response) throws ServletException,
        IOException {
        // TODO Auto-generated method stub
        response.setContentType("text/html");
        PrintWriter out=response.getWriter();
        out.println("<html><body>");
        String userid=request.getParameter("hidden");
        int uid=Integer.parseInt(userid);
        RequestDispatcher rd =
request.getRequestDispatcher("userjob.jsp");
        request.setAttribute("USERID", uid);
        rd.forward(request, response);
    }

```

```
        out.println("</body></html>");
        out.close();
    }

}
```

## **InstructionServlet.java**

```
package org.project;
```

```
import java.io.IOException;
import java.io.PrintWriter;
```

```
import javax.servlet.RequestDispatcher;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
```

```
/**
 * Servlet implementation class InstructionServlet
 */
@WebServlet("/instruction")
public class InstructionServlet extends HttpServlet {
    private static final long serialVersionUID = 1L;

    /**
     * @see HttpServlet#HttpServlet()
     */
    public InstructionServlet() {
        super();
    }
}
```

```

        // TODO Auto-generated constructor stub
    }

/**
 * @see HttpServlet#doGet(HttpServletRequest request,
HttpServletResponse response)
 */
protected void doGet(HttpServletRequest request,
HttpServletResponse response) throws ServletException,
IOException {
    // TODO Auto-generated method stub
    response.setContentType("text/html");
    PrintWriter out=response.getWriter();
    out.println("<html><head>");
    out.println("<style type=\"text/css\">"
        + "body {background-
image:url(animal.jpg);}");
    out.println("h1 {font-style:bold;text-
align:center;text-color:black;margin-top:10%;font-
size:xx-large;}");
    out.println("h2{text-align:center;}");
    out.println("div {text-align:center;"
        + "font-style:bold"
        + "text-color:black;}");
    out.println("form{text-align:center;}
        + "input{background-color:white;"
        + "text-color:black;"
        + "font-size:x-large;"
        + "font-style:bold;"
        + "margin-top:2%;}");
    out.println("</style></head><body>");

```

```

        String top=request.getParameter("option");
        String level=request.getParameter("difficulty");
        String title=top.toUpperCase();
        out.println("<h1>SUBJECT TITLE CHOSEN:
"+title+" </h1><br/>");
        out.println("<h2>INSTRUCTIONS<br/>");
        out.println("Please read instructions
carefully<br/>");
        out.println("<div><ul><li>you will have 5
questions based on ur chosen difficulty level</li>"
+ "<li>Each question will have 4 options
mentioned</li>"
+ "<li>Choose the correct option as there is
only one correct answer</li>"
+ "<li>Click finish only once and only u r
done</h2></li></ul></div>");
        out.println("<form action=\"qpaper\"><input
type=\"hidden\" name=\"title\" value= "+top+" />");
        out.println("<input type=\"hidden\"
name=\"level\" value= "+level+" />");
        out.println("<input type=\"submit\"
value=\"CONTINUE\"/></form>");
        out.println("<form
action=\"newexam.jsp\"><input type=\"submit\"
value=\"BACK\"/></form>");
        out.println("</body></html>");
        out.close();

    }

/**

```

```

    * @see HttpServlet#doPost(HttpServletRequest request,
    HttpServletResponse response)
    */
    protected void doPost(HttpServletRequest request,
    HttpServletResponse response) throws ServletException,
    IOException {
        // TODO Auto-generated method stub
        doGet(request, response);
    }

}

```

**questionpaperServlet.java**

```

package org.project;

import java.io.IOException;
import java.io.PrintWriter;
import java.sql.SQLException;
import java.util.ArrayList;
import java.util.Collections;

import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

/**
 * Servlet implementation class QuestionpaperServlet
 */
@WebServlet("/qpaper")
public class QuestionpaperServlet extends HttpServlet {

```



```
private static final long serialVersionUID = 1L;
```

```
/**  
 * @see HttpServlet#HttpServlet()  
 */  
public QuestionpaperServlet() {  
    super();  
    // TODO Auto-generated constructor stub  
}  
  
/**  
 * @see HttpServlet#doGet(HttpServletRequest request,  
 HttpServletResponse response)  
 */  
protected void doGet(HttpServletRequest request,  
 HttpServletResponse response) throws ServletException,  
 IOException {  
    // TODO Auto-generated method stub  
    response.setContentType("text/html");  
    PrintWriter out=response.getWriter();  
    out.println("<html><head>");  
    out.println("<script  
src=\"http://ajax.googleapis.com/ajax/libs/jquery/1.9.1/jq  
uery.min.js\"></script>");  
    out.println("<script  
src=\"http://ajax.googleapis.com/ajax/libs/jqueryui/1.10.  
2/jquery-ui.min.js\"></script>");  
    out.println("<style type=\"text/css\">  
        +\"body {background-  
image:url(animal.jpg);}\"");
```

```

        out.println("h1 {font-style:bold;text-
color:black;font-size:xx-large;}");
        out.println("h2 {text-align:right;text-
color:black;font-size:xx-large;}");
        out.println("div {margin-left:5%;}");
        out.println("form{"
            +"font-size:x-large;"
            +"font-style:bold;}");
        out.println("input {margin-left:10%;}");
        out.println("</style></head><body>");
        String title=request.getParameter("title");
        String level=request.getParameter("level");

        //this.getServletConfig().getServletContext().set
Attribute("TITLE", title);
        request.getSession().setAttribute("TITLE", title);
        out.println("<h1>SUBJECT CHOSEN: "+title );
        out.println(" DIFFICULTY LEVEL: "+level+"
</h1><br/>");
        try {
            DataAccess da=new DataAccess();
            ArrayList<Questions>
ques=da.getquestionpaper(title, level);
            Collections.shuffle(ques);
            ArrayList<Questions> alques=new
ArrayList<>(5);
            for(int i=0;i<5;i++){
                alques.add(ques.get(i));
            }
            int num=1;
            out.println("<form action=\"analysis\">");

```

```

        for(Questions q:alques)
        {
            out.println("<div><h3>" + num + ".
"+q.getQuestion()+"</div><br/>");
            out.println("<input type=\"radio\"
name=\""+q.getId()+"\"
value=\"a\"/>" + q.getOpta() + "<br/>");
            out.println("<input type=\"radio\"
name=\""+q.getId()+"\"
value=\"b\"/>" + q.getOptb() + "<br/>");
            out.println("<input type=\"radio\"
name=\""+q.getId()+"\"
value=\"c\"/>" + q.getOptc() + "<br/>");
            out.println("<input type=\"radio\"
name=\""+q.getId()+"\"
value=\"d\"/>" + q.getOptd() + "</h3>");
            num=num+1;
            if(num==6){
                break;
            }
        }
    } catch (SQLException e) {
        // TODO Auto-generated catch block
        e.printStackTrace();
        out.println("<h3>ERROR:
"+e.getMessage()+"</h3>");
    }
    out.println("<input type=\"submit\"
value=\"FINISH\"/></form>");
    out.println("</body>");

    out.println("<script>$(document).ready(function

```

```

n() {function disableBack() { window.history.forward()
>window.onload = disableBack();window.onpageshow =
function(evt) { if (evt.persisted) disableBack()
}});</script>");
        out.println("</html>");
        out.close();
    }

/**
 * @see HttpServlet#doPost(HttpServletRequest request,
HttpServletResponse response)
 */
protected void doPost(HttpServletRequest request,
HttpServletResponse response) throws ServletException,
IOException {
    // TODO Auto-generated method stub

}

}

```

## **AnalysisServlet.java**

```

package org.project;

import java.io.IOException;
import java.io.PrintWriter;
import java.sql.SQLException;
import java.util.Enumeration;

import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;

```

```

import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

/**
 * Servlet implementation class AnalysisServlet
 */
@WebServlet("/analysis")
public class AnalysisServlet extends HttpServlet {
    private static final long serialVersionUID = 1L;

    /**
     * @see HttpServlet#HttpServlet()
     */
    public AnalysisServlet() {
        super();
        // TODO Auto-generated constructor stub
    }

    /**
     * @see HttpServlet#doGet(HttpServletRequest request,
     HttpServletResponse response)
     */
    protected void doGet(HttpServletRequest request,
        HttpServletResponse response) throws ServletException,
        IOException {
        // TODO Auto-generated method stub
        int correct=0,wrong=0;
        response.setContentType("text/html");
        PrintWriter out=response.getWriter();
        out.println("<html><head>");
    }
}

```

```

        out.println("<script
src=\"http://ajax.googleapis.com/ajax/libs/jquery/1.9.1/jq
uery.min.js\"></script>");
        out.println("<script
src=\"http://ajax.googleapis.com/ajax/libs/jqueryui/1.10.
2/jquery-ui.min.js\"></script>");
        out.println("<style type=\"text/css\">"
+"body {background-
image:url(black.jpg);}");
        out.println("h1 {text-align:center;font-
style:bold;text-color:black;font-size:xx-large;margin-
top:25%;}");
        out.println("h2 {text-align:center;text-
color:black;font-size:xx-large;}");
        out.println("form{"
+"text-align:center;");
        out.println("input{background-
color:black;color:white;font-size:x-large;");
        out.println("</style></head><body>");
Enumeration<String>
en=request.getParameterNames();
while(en.hasMoreElements()){
    String v=(String)en.nextElement();
    String ans=request.getParameter(v);
    try {
        DataAccess da=new DataAccess();
        String answer=da.check(v);
        if(answer.equals(ans))
        {
            correct=correct+1;
        }
        else

```

```

        {
            wrong=wrong+1;
        }
    } catch (SQLException e) {
        // TODO Auto-generated catch block
        e.printStackTrace();

        out.println("<h2>ERROR:"+e.getMessage()+"</h2
>");
    }
}

    //this.getServletConfig().getServletContext().set
Attribute("MARKS", correct);
    request.getSession().setAttribute("MARKS",
correct);
    out.println("<h1>Correct Answers: "+correct+"
</h1>");
    out.println("<h2>Wrong Answers: "+wrong+"
</h2>");
    out.println("<form action=\"insexam\">");
    out.println("<input type=\"submit\"
value=\"CONTINUE\"/>");
    out.println("</form>");

    out.println("</body>");

    out.println("<script>$(document).ready(function() {function disableBack() { window.history.forward()
}window.onload = disableBack();window.onpageshow =
function(evt) { if (evt.persisted) disableBack()
}});</script>");

```



```

        out.println("</html>");
        out.close();

    }

    /**
     * @see HttpServlet#doPost(HttpServletRequest request,
     * HttpServletResponse response)
     */
    protected void doPost(HttpServletRequest request,
        HttpServletResponse response) throws ServletException,
        IOException {
        // TODO Auto-generated method stub
        doGet(request, response);
    }

}

```

### **InsertExamdetailsServlet.java**

```

package org.project;

import java.io.IOException;
import java.io.PrintWriter;
import java.sql.SQLException;
import java.util.ArrayList;

import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

```

```

/**
 * Servlet implementation class InsertExamDetailsServlet
 */
@WebServlet("/insexam")
public class InsertExamDetailsServlet extends
HttpServlet {
    private static final long serialVersionUID = 1L;

    /**
     * @see HttpServlet#HttpServlet()
     */
    public InsertExamDetailsServlet() {
        super();
        // TODO Auto-generated constructor stub
    }

    /**
     * @see HttpServlet#doGet(HttpServletRequest request,
    HttpServletResponse response)
     */
    protected void doGet(HttpServletRequest request,
    HttpServletResponse response) throws ServletException,
    IOException {
        // TODO Auto-generated method stub
        response.setContentType("text/html");
        PrintWriter out=response.getWriter();
        out.println("<html><body>");
        int
uid=(int)request.getSession().getAttribute("UID");
        int
marks=(int)request.getSession().getAttribute("MARKS");
    }
}

```

```

        try {
            DataAccess da=new DataAccess();
            String name=da.getUsername(uid);

            request.getSession().removeAttribute("NAME");
            request.getSession().setAttribute("NAME",
name);
            String
title=(String)request.getSession().getAttribute("TITLE");
            System.out.println("uid= "+uid+" name=
"+name+" title= "+title+" marks= "+marks);
            da.insertrecord(uid,name,title,marks);
            response.sendRedirect("lastpage.jsp");
        } catch (SQLException e) {
            // TODO Auto-generated catch block
            e.printStackTrace();

        }

        out.println("</body></html>");
        out.close();
    }

/**
 * @see HttpServlet#doPost(HttpServletRequest request,
HttpServletResponse response)
 */
protected void doPost(HttpServletRequest request,
HttpServletResponse response) throws ServletException,
IOException {
    // TODO Auto-generated method stub

```

}

}

## Lastpage.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
<title>ONLINE EXAMINATION</title>
<script
src="http://ajax.googleapis.com/ajax/libs/jquery/1.9.1/jquery.min.js"></script>
    <script src="http://ajax.googleapis.com/ajax/libs/jqueryui/1.10.2/jquery-
ui.min.js">
        </script>
<style type="text/css">
    body {background-image:url(animal.jpg);}
    h1 {font-style:bold;
        text-align:center;
        color:black;
        margin-top:25%;
        font-size:xx-large;}
    form{text-align:center;}
    input{background-color:black;
        color:white;
        font-size:x-large;
        margin-top:3%;}
</style>
</head>
<body>
<%int marks=(int)request.getSession().getAttribute("MARKS");%>
<h1>your score is: <%=marks %> </h1>
<form action="UserLogin.jsp?error=Last">
    <input type="submit" value="LOGOUT"/>
</form>
<%session.invalidate(); %>
</body>
<script>
    $(document).ready(function() {
        function disableBack() { window.history.forward() }
        window.onload = disableBack();
        window.onpageshow = function(evt) { if (evt.persisted) disableBack() }
    });
</script>
</html>
```

**Certificate**

This is to certify that Mr Rishu Raj of Heritage Institute of Technology, registration number: 141260110077, has successfully completed a project of Online Examination System using JEE under the guidance of Mr T.R. Chowdhury.

-----  
Mr T.R. Chowdhury  
Globsyn Finishing School

**Certificate**

This is to certify that Mr Raj Arya of National Institute of Technology: Durgapur registration number: 20150357, has successfully completed a project of Online Examination System using JEE under the guidance of Mr T.R. Chowdhury.

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Mr T.R. Chowdhury  
Globsyn Finishing School

**Certificate**

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Mr T.R. Chowdhury  
Globsyn Finishing School



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-----  
Mr T.R. Chowdhury  
Globsyn Finishing School