Source Code files for phase 2 project – Admin Learner’s Academy

**Admin Login Page – Index.jsp**

**<%@page contentType=*"text/html"* pageEncoding=*"UTF-8"*%>**

**<!DOCTYPE html>**

**<html>**

**<head>**

**<meta http-equiv=*"Content-Type"* content=*"text/html; charset=UTF-8"*>**

**<title>Admin Login</title>**

**</head>**

**<body bgcolor=*"silver"*>**

**<form method=*"post"* action=*"LoginAdmin"*>**

**<div align = *"center"*>**

**<table border= *"1"* width=*"30%"* cellpadding=*"3"*>**

**<thead>**

**<tr>**

**<th colspan=*"2"*>Admin Login</th>**

**</tr>**

**</thead>**

**<tbody>**

**<tr>**

**<td>Username</td>**

**<td><input type=*"text"* name=*"userName"* value=*""*></td>**

**</tr>**

**<tr>**

**<td>Password</td>**

**<td><input type=*"password"* name=*"password"* value=*""*></td>**

**</tr>**

**<tr>**

**<td><input type=*"submit"* value=*"Login"* /></td>**

**<td><input type=*"reset"* value=*"Reset"* /></td>**

**</tr>**

**</tbody>**

**</table>**

**</div>**

**</form>**

**</body>**

**</html>**

**Servlet “LoginAdmin” to connect to database – LoginAdmin.java**

**package admin;**

**import java.io.IOException;**

**import java.io.PrintWriter;**

**import java.sql.Connection;**

**import java.sql.DriverManager;**

**import java.sql.ResultSet;**

**import java.sql.Statement;**

**import javax.servlet.ServletException;**

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

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

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

**/\*\***

**\* Servlet implementation class LoginAdmin**

**\*/**

**public class LoginAdmin extends HttpServlet**

**{**

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

**/\*\***

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

**\*/**

**public LoginAdmin()**

**{**

**super();**

**// TODO Auto-generated constructor stub**

**}**

**/\*\***

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

**\*/**

**protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException**

**{**

**PrintWriter out = response.getWriter();**

**response.setContentType("text/html");**

**out.println("<html><body bgcolor=silver>");**

**String userName = request.getParameter("userName");**

**String password = request.getParameter("password");**

**try**

**{**

**Class.*forName*("com.mysql.jdbc.Driver");**

**Connection con = DriverManager.*getConnection*("jdbc:mysql://localhost:3306/mysql",**

**"root", "");**

**Statement st = con.createStatement();**

**ResultSet rs = st.executeQuery("select \* from users where username='" + userName + "' and password='" +password + "'");**

**if (rs.next())**

**{**

**response.sendRedirect("success.jsp");**

**}**

**else**

**{**

**out.println("<div align=center>");**

**out.println("<h3>Oops...Invalid Username or Password</h3>");**

**out.println("<form action=index.jsp>");**

**out.println("<input align=center type=submit value='Try Again'>");**

**out.println("</form></div>");**

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

**}**

**}**

**catch(Exception e)**

**{**

**out.println(e);**

**}**

**}**

**}**

Admin Dashboard Page – success.jsp

<%

**if** ((session.getAttribute("userName") == **null**) || (session.getAttribute("userName") == "")) {

%>

<body bgcolor=*"silver"*>

<div align = *"center"*>

<h1>"Welcome to the Admin Dashboard"</h1></h1><br/>

<table border=*"0"* width=*"30%"* cellpadding=*"3"*>

<thead>

<tr>

<th colspan=*"2"*><h2>List Of Tasks</h2></th>

</tr>

</thead>

<tbody>

<tr>

<td>

<form action=*"subject.jsp"*>

<input type=*"submit"* value=*"Set up Master List of all Subjects"*>

</form>

</td>

</tr>

<tr>

<td>

<form action=*"teacher.jsp"*>

<input type=*"submit"* value=*"Set up Master List of all Teachers"*>

</form>

</td>

</tr>

<tr>

<td>

<form action=*"class.jsp"*>

<input type=*"submit"* value=*"Set up Master List of all Classes"*>

</form>

</td>

</tr>

<tr>

<td>

<form action=*"ClassSubject.jsp"*>

<input type=*"submit"* value=*"Assign Classes for Subjects"*>

</form>

</td>

</tr>

<tr>

<td>

<form action=*"teacherclassSubject.jsp"*>

<input type=*"submit"* value=*"Assign teachers to a class for a subject"*>

</form>

</td>

</tr>

<tr>

<td>

<form action=*"student.jsp"*>

<input type=*"submit"* value=*"Add Student and Assign class"*>

</form>

</td>

</tr>

<tr>

<td>

<form method=*"post"* action=*"chooseclass.jsp"*>

<input type=*"submit"* value=*"Get a Master List of Students"*>

</form>

</td>

</tr>

<tr>

<td>

<form method = *"post"* action=*"classreport.jsp"*>

<input type=*"submit"* value=*"View Class Report"*>

</form>

</td>

</tr>

<tr>

<form action=*"logout.jsp"*>

<td><input type=*"submit"* value=*"Logout"* align=*center*></td>

</tr>

</tbody>

</table>

</div>

<%}

**else**

{

%>

<%=session.getAttribute("userid")%>

<a href=*'logout.jsp'*>Log out</a>

<%

}

%>

Add new Subject Page – subject.jsp

<%@page contentType=*"text/html"* pageEncoding=*"UTF-8"*%>

<!DOCTYPE html>

<html>

<head>

<meta http-equiv=*"Content-Type"* content=*"text/html; charset=UTF-8"*>

<title>Registration</title>

</head>

<body bgcolor=*"silver"*>

<form method=*"post"* action=*"addSubject"*>

<div align = *"center"*>

<table border=*"1"* width=*"30%"* cellpadding=*"5"*>

<thead>

<tr>

<th colspan=*"2"*>Enter Information Here</th>

</tr>

</thead>

<tbody>

<tr>

<td>Add new Subject</td>

<td><input type=*"text"* name=*"subname"* value=*""* /></td>

</tr>

<tr>

<td><input type=*"submit"* value=*"Submit"* /></td>

<td><input type=*"reset"* value=*"Reset"* /></td>

</tr>

</tbody>

</table>

</div>

</form>

</body>

</html>

Servlet “addSubject” to connect to database table “subject”

**package** subject.add;

**import** java.io.IOException;

**import** java.io.PrintWriter;

**import** java.sql.Connection;

**import** java.sql.DriverManager;

**import** java.sql.ResultSet;

**import** java.sql.Statement;

**import** javax.servlet.ServletException;

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

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

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

/\*\*

\* Servlet implementation class AddSubject

\*/

**public** **class** AddSubject **extends** HttpServlet

{

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

/\*\*

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

\*/

**public** AddSubject()

{

**super**();

// **TODO** Auto-generated constructor stub

}

/\*\*

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

\*/

**protected** **void** doPost(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException

{

PrintWriter out = response.getWriter();

String subname = request.getParameter("subname");

**try**

{

Class.*forName*("com.mysql.jdbc.Driver");

Connection con = DriverManager.*getConnection*("jdbc:mysql://localhost:3306/mysql",

"root", "");

Statement st = con.createStatement();

ResultSet s = st.executeQuery("select \*from subject where Subject = '"+subname+"'");

**if** (!s.isBeforeFirst())

{

st.executeUpdate("insert into subject(Subject) values ('" + subname + "')");

response.sendRedirect("subsuccess.jsp");

}

**else**

{

response.sendRedirect("subjectalreadyexist.jsp");

}

}

**catch**(Exception e)

{

out.println(e);

}

}

}

JSP Code for deleting subject – “deletesubject.jsp”

<%@ page import=*"java.sql.\*"*%>

<%

String subname = request.getParameter("s");

Class.forName("com.mysql.jdbc.Driver");

Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/mysql",

"root", "");

Statement st = con.createStatement();

// ResultSet s = st.executeQuery("select \*from class where Class = '"+cname+"'");

**int** i = st.executeUpdate("delete from subject where Subject = '" + subname + "'");

response.sendRedirect("subject.jsp");

%>

Jsp page to show successful addition of subject – subsuccess.jsp

<%@page contentType=*"text/html"* pageEncoding=*"UTF-8"*%>

<!DOCTYPE html>

<html>

<head>

<meta http-equiv=*"Content-Type"* content=*"text/html; charset=UTF-8"*>

<title>Subject Added</title>

</head>

<body bgcolor=*"silver"*>

<form method=*"post"* action=*"subject.jsp"*>

<div align = *"center"*>

<h3>New Subject Added to Master List Successfuly</h3>

<input type=*"submit"* value=*"Add More"*>

</div>

</form>

<form method=*"post"* action=*"success.jsp"*>

<div align=*"center"*>

<h3>Or Go back to</h3>

<input type=*"submit"* value=*"Admin Dashboard"*>

</div>

</form>

</body>

</html>

To show wrong input message for re-entering same subject addition of subject – subjectalreadyexist.jsp

<%@page contentType=*"text/html"* pageEncoding=*"UTF-8"*%>

<!DOCTYPE html>

<html>

<head>

<meta http-equiv=*"Content-Type"* content=*"text/html; charset=UTF-8"*>

<title>Subject Exist Already</title>

</head>

<body bgcolor=*"silver"*>

<form method=*"post"* action=*"subject.jsp"*>

<div align = *"center"*>

<h3>Wrong Input! Subject Already Exists in the list..</h3>

<input type=*"submit"* value=*"Try Again"*>

</div>

</form>

<form method=*"post"* action=*"success.jsp"*>

<div align=*"center"*>

<h3>Or Go back to</h3>

<input type=*"submit"* value=*"Admin Dashboard"*>

</div>

</form>

</body>

</html>

Add new Teacher – teacher.jsp

<%@page contentType=*"text/html"* pageEncoding=*"UTF-8"*%>

<!DOCTYPE html>

<html>

<head>

<meta http-equiv=*"Content-Type"* content=*"text/html; charset=UTF-8"*>

<title>New Teacher</title>

</head>

<body bgcolor=*"silver"*>

<form method=*"post"* action=*"addTeacher"*>

<div align = *"center"*>

<table border=*"1"* width=*"30%"* cellpadding=*"5"*>

<thead>

<tr>

<th colspan=*"2"*>Enter Information Here</th>

</tr>

</thead>

<tbody>

<tr>

<td>Teacher's Name</td>

<td><input type=*"text"* name=*"tname"* value=*""* /></td>

</tr>

<tr>

<td><input type=*"submit"* value=*"Submit"* /></td>

<td><input type=*"reset"* value=*"Reset"* /></td>

</tr>

</tbody>

</table>

</div>

</form>

</body>

</html>

Servlet “addTeacher” to connect to database table “teacher” to add new teacher – AddTeacher.java

**package** teacher.add;

**import** java.io.IOException;

**import** java.io.PrintWriter;

**import** java.sql.Connection;

**import** java.sql.DriverManager;

**import** java.sql.ResultSet;

**import** java.sql.Statement;

**import** javax.servlet.ServletException;

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

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

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

/\*\*

\* Servlet implementation class AddTeacher

\*/

**public** **class** AddTeacher **extends** HttpServlet

{

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

/\*\*

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

\*/

**public** AddTeacher()

{

**super**();

// **TODO** Auto-generated constructor stub

}

/\*\*

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

\*/

**protected** **void** doPost(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException

{

PrintWriter out = response.getWriter();

String tname = request.getParameter("tname");

**try**

{

Class.*forName*("com.mysql.jdbc.Driver");

Connection con = DriverManager.*getConnection*("jdbc:mysql://localhost:3306/mysql",

"root", "");

Statement st = con.createStatement();

ResultSet s = st.executeQuery("select \*from teacher where Teacher = '"+tname+"'");

**if** (!s.isBeforeFirst())

{

st.executeUpdate("insert into teacher(teacher) values ('" + tname + "')");

response.sendRedirect("tsuccess.jsp");

}

**else**

{

response.sendRedirect("teacheralreadyexist.jsp");

}

}

**catch**(Exception e)

{

out.println(e);

}

}

}

JSP Code to delete teacher from database – deleteteacher.jsp

<%@ page import=*"java.sql.\*"*%>

<%

String tname = request.getParameter("t");

Class.forName("com.mysql.jdbc.Driver");

Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/mysql",

"root", "");

Statement st = con.createStatement();

// ResultSet s = st.executeQuery("select \*from class where Class = '"+cname+"'");

**int** i = st.executeUpdate("delete from teacher where Teacher = '" + tname + "'");

response.sendRedirect("teacher.jsp");

%>

Jsp page to show successful addition of teacher – tsuccess.jsp

<%@page contentType=*"text/html"* pageEncoding=*"UTF-8"*%>

<!DOCTYPE html>

<html>

<head>

<meta http-equiv=*"Content-Type"* content=*"text/html; charset=UTF-8"*>

<title>Teacher Added</title>

</head>

<body bgcolor=*"silver"*>

<form method=*"post"* action=*"teacher.jsp"*>

<div align = *"center"*>

<h3>New Teacher Added to the Master List Successfully</h3>

<input type=*"submit"* value=*"Add More"*>

</div>

</form>

<form method=*"post"* action=*"success.jsp"*>

<div align=*"center"*>

<h3>Or Go back to</h3>

<input type=*"submit"* value=*"Admin Dashboard"*>

</div>

</form>

</body>

</html>

Jsp page to show teacher already exist in teacher table– teacheralreadyexist.jsp

<%@page contentType=*"text/html"* pageEncoding=*"UTF-8"*%>

<!DOCTYPE html>

<html>

<head>

<meta http-equiv=*"Content-Type"* content=*"text/html; charset=UTF-8"*>

<title>Teacher Exist Already</title>

</head>

<body bgcolor=*"silver"*>

<form method=*"post"* action=*"teacher.jsp"*>

<div align = *"center"*>

<h3>Teacher is already in the list. Please check.</h3>

<input type=*"submit"* value=*"Try Again"*>

</div>

</form>

<form method=*"post"* action=*"success.jsp"*>

<div align=*"center"*>

<h3>Or Go back to</h3>

<input type=*"submit"* value=*"Admin Dashboard"*>

</div>

</form>

</body>

</html>

Add class page to database table “class” – class.jsp

<%@page contentType=*"text/html"* pageEncoding=*"UTF-8"*%>

<!DOCTYPE html>

<html>

<head>

<meta http-equiv=*"Content-Type"* content=*"text/html; charset=UTF-8"*>

<title>Add New Class</title>

</head>

<body bgcolor=*"silver"*>

<form method=*"post"* action=*"addClass"*>

<div align = *"center"*>

<table border=*"1"* width=*"30%"* cellpadding=*"5"*>

<thead>

<tr>

<th colspan=*"2"*>Enter Information Here</th>

</tr>

</thead>

<tbody>

<tr>

<td>Add New Class</td>

<td><input type=*"text"* name=*"cname"* value=*""* /></td>

</tr>

<tr>

<td><input type=*"submit"* value=*"Submit"* /></td>

<td><input type=*"reset"* value=*"Reset"* /></td>

</tr>

</tbody>

</table>

</div>

</form>

</body>

</html>

Servlet “addClass” to connect to database table “class” to add new class – AddClass.java

**package** classadd;

**import** java.io.IOException;

**import** java.io.PrintWriter;

**import** java.sql.Connection;

**import** java.sql.DriverManager;

**import** java.sql.ResultSet;

**import** java.sql.Statement;

**import** javax.servlet.ServletException;

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

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

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

/\*\*

\* Servlet implementation class AddClass

\*/

**public** **class** AddClass **extends** HttpServlet {

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

/\*\*

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

\*/

**public** AddClass() {

**super**();

// **TODO** Auto-generated constructor stub

}

/\*\*

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

\*/

**protected** **void** doPost(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException

{

PrintWriter out = response.getWriter();

String cname = request.getParameter("cname");

**try**

{

Class.*forName*("com.mysql.jdbc.Driver");

Connection con = DriverManager.*getConnection*("jdbc:mysql://localhost:3306/mysql",

"root", "");

Statement st = con.createStatement();

ResultSet s = st.executeQuery("select \*from class where Class = '"+cname+"'");

**if**(!s.isBeforeFirst())

{

//response.sendRedirect("success.jsp");

st.executeUpdate("insert into class(Class) values ('" + cname + "')");

response.sendRedirect("csuccess.jsp");

}

**else**

{

response.sendRedirect("classalreadyexist.jsp");

}

}

**catch**(Exception e)

{

out.println(e);

}

}

}

JSP Code to delete class from database – deleteclass.jsp

<%@ page import=*"java.sql.\*"*%>

<%

String cname = request.getParameter("c");

Class.forName("com.mysql.jdbc.Driver");

Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/mysql",

"root", "");

Statement st = con.createStatement();

// ResultSet s = st.executeQuery("select \*from class where Class = '"+cname+"'");

**int** i = st.executeUpdate("delete from class where Class = '" + cname + "'");

response.sendRedirect("class.jsp");

%>

JSP Page to display successful addition of new class – csuccess.jsp

<%@page contentType=*"text/html"* pageEncoding=*"UTF-8"*%>

<!DOCTYPE html>

<html>

<head>

<meta http-equiv=*"Content-Type"* content=*"text/html; charset=UTF-8"*>

<title>Class Added</title>

</head>

<body bgcolor=*"silver"*>

<form method=*"post"* action=*"class.jsp"*>

<div align = *"center"*>

<h3>New Class Added Successfuly</h3>

<input type=*"submit"* value=*"Add More"*>

</div>

</form>

<form method=*"post"* action=*"success.jsp"*>

<div align=*"center"*>

<h3>Or Go back to</h3>

<input type=*"submit"* value=*"Admin Dashboard"*>

</div>

</form>

</body>

</html>

JSP Page to display class already exist if re-entered– classalreadyexist.jsp

<%@page contentType=*"text/html"* pageEncoding=*"UTF-8"*%>

<!DOCTYPE html>

<html>

<head>

<meta http-equiv=*"Content-Type"* content=*"text/html; charset=UTF-8"*>

<title>Class Exist Already</title>

</head>

<body bgcolor=*"silver"*>

<form method=*"post"* action=*"class.jsp"*>

<div align = *"center"*>

<h3>Class Already Exist!..</h3>

<input type=*"submit"* value=*"Try Again"*>

</div>

</form>

<form method=*"post"* action=*"success.jsp"*>

<div align=*"center"*>

<h3>Or Go back to</h3>

<input type=*"submit"* value=*"Admin Dashboard"*>

</div>

</form>

</body>

</html>

JSP Page to assign class a new subject ClassSubject.jsp

<%@ page import=*"java.sql.\*"* %>

<%ResultSet cname, subname;%>

<html>

<head>

<title>Select element drop down box</title>

</head>

<body bgcolor=*"silver"*>

<form method = *"post"* action = *"assignclassSubject "*>

<div align = *center*>

<%

**try**

{

Connection connection = DriverManager.getConnection("jdbc:mysql://localhost:3306/mysql",

"root", "");

Statement statement = connection.createStatement() ;

cname =statement.executeQuery("select \*from class") ;

%>

<center>

<h4> Select Class Name</h1>

<select name = *"cname"*>

<% **while**(cname.next()){ %>

<option><%=cname.getString(2)%></option>

<% } %>

</select>

</center>

<%

}

**catch**(Exception e)

{

out.println("wrong entry"+e);

}

%>

<%

**try**{

Connection connection = DriverManager.getConnection("jdbc:mysql://localhost:3306/mysql",

"root", "");

Statement statement = connection.createStatement();

subname =statement.executeQuery("select \* from subject");

%>

<center>

<h4> Select Subject Name</h1>

<select name =*"subname"*>

<% **while**(subname.next()){ %>

<option><%=subname.getString(2)%></option>

<% } %>

</select>

</center>

<%

}

**catch**(Exception e)

{

out.println("wrong entry"+e);

}

%>

<input type= *"submit"* Value = *"Assign"*>

</div>

</form>

</body>

</html>

Servlet “assignclassSubject.java” to connect to database table “classsubject” and assigning subject to class - AssignClassSubject.java

**package** subjectclassmapping;

**import** java.io.IOException;

**import** java.io.PrintWriter;

**import** java.sql.Connection;

**import** java.sql.DriverManager;

**import** java.sql.ResultSet;

**import** java.sql.Statement;

**import** javax.servlet.ServletException;

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

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

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

/\*\*

\* Servlet implementation class AssignClassSubject

\*/

**public** **class** AssignClassSubject **extends** HttpServlet {

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

/\*\*

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

\*/

**public** AssignClassSubject() {

**super**();

// **TODO** Auto-generated constructor stub

}

/\*\*

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

\*/

**protected** **void** doPost(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException

{

PrintWriter out = response.getWriter();

String cname = request.getParameter("cname");

String subname = request.getParameter("subname");

**try**

{

Class.*forName*("com.mysql.jdbc.Driver");

Connection con = DriverManager.*getConnection*("jdbc:mysql://localhost:3306/mysql",

"root", "");

Statement st = con.createStatement();

ResultSet s = st.executeQuery("select \*from classsubject where Class = '"+cname+"' and Subject = '"+subname+"'");

**if** (!s.isBeforeFirst())

{

st.executeUpdate("insert into classsubject(Class, Subject) values ('" + cname + "' , '" + subname + "')");

response.sendRedirect("assignclasssuccess.jsp");

}

**else**

{

response.sendRedirect("alreadyexist.jsp");

}

}

**catch**(Exception e)

{

out.println(e);

}

}

}

JSP Page to show successful assignment of a class - assignclasssuccess.java

<%@page contentType=*"text/html"* pageEncoding=*"UTF-8"*%>

<!DOCTYPE html>

<html>

<head>

<meta http-equiv=*"Content-Type"* content=*"text/html; charset=UTF-8"*>

<title>Class-Subject</title>

</head>

<body bgcolor=*"silver"*>

<form method=*"post"* action=*"ClassSubject.jsp"*>

<div align = *"center"*>

<h3>New Subject assigned to class successfully</h3>

<input type=*"submit"* value=*"Assign More"*>

</div>

</form>

<form method=*"post"* action=*"success.jsp"*>

<div align=*"center"*>

<h3>Or Go back to</h3>

<input type=*"submit"* value=*"Admin Dashboard"*>

</div>

</form>

</body>

</html>

JSP Page to show unsuccessful assignment of a subject to a class if already exist- alreadyexist.jsp

<%@page contentType=*"text/html"* pageEncoding=*"UTF-8"*%>

<!DOCTYPE html>

<html>

<head>

<meta http-equiv=*"Content-Type"* content=*"text/html; charset=UTF-8"*>

<title>Class-Subject-Exist</title>

</head>

<body bgcolor=*"silver"*>

<form method=*"post"* action=*"ClassSubject.jsp"*>

<div align = *"center"*>

<h3>Class with same Subject already there in the list. Please check!</h3>

<input type=*"submit"* value=*"Try Again"*>

</div>

</form>

<form method=*"post"* action=*"success.jsp"*>

<div align=*"center"*>

<h3>Or Go back to</h3>

<input type=*"submit"* value=*"Admin Dashboard"*>

</div>

</form>

</body>

</html>

Assign Teacher to class for a subject – teacherclassSubject.jsp

<%@ page import=*"java.sql.\*"* %>

<%ResultSet cname, subname, tname;%>

<html>

<head>

<title>Select element drop down box</title>

</head>

<body bgcolor=*"silver"*>

<form method = *"post"* action = *"assignteacherclassSubject"*>

<div align = *center*>

<%

**try**{

Class.forName("com.mysql.jdbc.Driver").newInstance();

Connection connection = DriverManager.getConnection("jdbc:mysql://localhost:3306/mysql","root", "");

Statement statement = connection.createStatement() ;

cname =statement.executeQuery("select \*from class") ;

%>

<center>

<h4> Select Class Name</h1>

<select name = *"cname"*>

<% **while**(cname.next()){ %>

<option><%=cname.getString(2)%></option>

<% } %>

</select>

</center>

<%

}

**catch**(Exception e)

{

out.println("wrong entry"+e);

}

%>

<%

**try**

{

Connection connection = DriverManager.getConnection("jdbc:mysql://localhost:3306/mysql","root", "");

Statement statement = connection.createStatement();

subname =statement.executeQuery("select \* from subject");

%>

<center>

<h4> Select Subject Name</h1>

<select name =*"subname"*>

<% **while**(subname.next()){ %>

<option><%=subname.getString(2)%></option>

<% } %>

</select>

</center>

<%

}

**catch**(Exception e)

{

out.println("wrong entry"+e);

}

%>

<%

**try**

{

Class.forName("com.mysql.jdbc.Driver").newInstance();

Connection connection = DriverManager.getConnection("jdbc:mysql://localhost:3306/mysql","root", "");

Statement statement = connection.createStatement();

tname =statement.executeQuery("select \* from teacher");

%>

<center>

<h4> Select Teacher Name</h1>

<select name =*"tname"*>

<% **while**(tname.next()){ %>

<option><%=tname.getString(2)%></option>

<% } %>

</select>

</center>

<%

}

**catch**(Exception e)

{

out.println("wrong entry"+e);

}

%>

<input type= *"submit"* Value = *"Assign"*>

</div>

</form>

</body>

</html>

Servlet “assignteacherclassSubject” to connect to database table “tcs” for teacher class and subject mapping – AssignTeacherClassSubject.java

**package** teacherclasssubjectmapping;

**import** java.io.IOException;

**import** java.io.PrintWriter;

**import** java.sql.Connection;

**import** java.sql.DriverManager;

**import** java.sql.ResultSet;

**import** java.sql.Statement;

**import** javax.servlet.ServletException;

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

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

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

/\*\*

\* Servlet implementation class AssignTeacherClassSubject

\*/

**public** **class** AssignTeacherClassSubject **extends** HttpServlet

{

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

/\*\*

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

\*/

**public** AssignTeacherClassSubject()

{

**super**();

// **TODO** Auto-generated constructor stub

}

/\*\*

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

\*/

**protected** **void** doPost(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException

{

PrintWriter out = response.getWriter();

String cname = request.getParameter("cname");

String subname = request.getParameter("subname");

String tname = request.getParameter("tname");

**try**

{

Class.*forName*("com.mysql.jdbc.Driver");

Connection con = DriverManager.*getConnection*("jdbc:mysql://localhost:3306/mysql",

"root", "");

Statement st = con.createStatement();

ResultSet s = st.executeQuery("select \*from tcs where Class = '"+cname+"' and Subject = '"+subname+"' and Teacher = '"+tname+"'");

**if**(!s.isBeforeFirst())

{

st.executeUpdate("insert into tcs(Class , Subject, Teacher) values ('" + cname + "' , '" + subname + "' , '" + tname + "')");

response.sendRedirect("tcssuccess.jsp");

}

**else**

{

response.sendRedirect("tcsexist.jsp");

}

}

**catch**(Exception e)

{

out.println(e);

}

}

}

Jsp page to display successful assigning of teacher to a class for a subject – tcssuccess.jsp

<%@page contentType=*"text/html"* pageEncoding=*"UTF-8"*%>

<!DOCTYPE html>

<html>

<head>

<meta http-equiv=*"Content-Type"* content=*"text/html; charset=UTF-8"*>

<title>Teacher Added</title>

</head>

<body bgcolor=*"silver"*>

<form method=*"post"* action=*"teacher.jsp"*>

<div align = *"center"*>

<h3>New Teacher Added to the Master List Successfully</h3>

<input type=*"submit"* value=*"Add More"*>

</div>

</form>

<form method=*"post"* action=*"success.jsp"*>

<div align=*"center"*>

<h3>Or Go back to</h3>

<input type=*"submit"* value=*"Admin Dashboard"*>

</div>

</form>

</body>

</html>

Jsp page to display unsuccessful assigning of teacher while reentering the same teacher with same subject to a class for a subject – tcsexist.jsp

<%@page contentType=*"text/html"* pageEncoding=*"UTF-8"*%>

<!DOCTYPE html>

<html>

<head>

<meta http-equiv=*"Content-Type"* content=*"text/html; charset=UTF-8"*>

<title>Class-Subject-Teacher-Exist</title>

</head>

<body bgcolor=*"silver"*>

<form method=*"post"* action=*"teacherclassSubject.jsp"*>

<div align = *"center"*>

<h3>Teacher with same Subject and Class already added in the list. Please check! and</h3>

<input type=*"submit"* value=*"Try Again"*>

</div>

</form>

<form method=*"post"* action=*"success.jsp"*>

<div align=*"center"*>

<h3>Or Go back to</h3>

<input type=*"submit"* value=*"Admin Dashboard"*>

</div>

</form>

</body>

</html>

Add student to a class – student.jsp

<%@ page import=*"java.sql.\*"* %>

<%ResultSet cname, subname;%>

<%@page contentType=*"text/html"* pageEncoding=*"UTF-8"*%>

<!DOCTYPE html>

<html>

<head>

<meta http-equiv=*"Content-Type"* content=*"text/html; charset=UTF-8"*>

<title>Registration</title>

</head>

<body bgcolor=*"silver"*>

<form method=*"post"* action=*"addStudent"*>

<div align = *"center"*>

<table border=*"1"* width=*"30%"* cellpadding=*"5"*>

<thead>

<tr>

<th colspan=*"2"*>Enter Student Detials</th>

</tr>

</thead>

<tbody>

<tr>

<td>Student Name</td>

<td><input type=*"text"* name=*"studname"* value=*""* /></td>

</tr>

<tr>

<%

**try**{

//Class.forName("com.mysql.jdbc.Driver").newInstance();

Connection connection =

DriverManager.getConnection

("jdbc:mysql://localhost:3306/mysql",

"root", "");

Statement statement = connection.createStatement() ;

cname =statement.executeQuery("select \*from class") ;

%>

<td>Class Assigned</td>

<td><select name = *"cname"*>

<% **while**(cname.next()){ %>

<option><%=cname.getString(2)%></option>

<% } %>

</select></td>

<%

}

**catch**(Exception e)

{

out.println("wrong entry"+e);

}

%>

</tr>

<tr>

<td><input type=*"submit"* value=*"Submit"* /></td>

<td><input type=*"reset"* value=*"Reset"* /></td>

</tr>

</tbody>

</table>

</div>

</form>

</body>

</html>

Servlet “addStudent” to connect to database table “tcs” for teacher class and subject mapping – AddStudent.java

**package** studentclassmapping;

**import** java.io.IOException;

**import** java.io.PrintWriter;

**import** java.sql.Connection;

**import** java.sql.DriverManager;

**import** java.sql.ResultSet;

**import** java.sql.Statement;

**import** javax.servlet.ServletException;

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

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

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

/\*\*

\* Servlet implementation class AddStudent

\*/

**public** **class** AddStudent **extends** HttpServlet {

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

/\*\*

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

\*/

**public** AddStudent() {

**super**();

// **TODO** Auto-generated constructor stub

}

/\*\*

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

\*/

**protected** **void** doPost(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException

{

PrintWriter out = response.getWriter();

String studname = request.getParameter("studname");

String cname = request.getParameter("cname");

**try**

{

Class.*forName*("com.mysql.jdbc.Driver");

Connection con = DriverManager.*getConnection*("jdbc:mysql://localhost:3306/mysql",

"root", "");

Statement st = con.createStatement();

ResultSet s = st.executeQuery("select \*from student where Student = '"+studname+"' and Class = '"+cname+"'");

**if**(!s.isBeforeFirst())

{

st.executeUpdate("insert into student(Student, Class) values ('" + studname + "' , '" + cname +"')");

response.sendRedirect("studsuccess.jsp");

}

**else**

{

response.sendRedirect("studentexist.jsp");

}

}

**catch**(Exception e)

{

out.println(e);

}

}

}

JSP page to show successful addition of student to a class – studsuccess.jsp

<%@page contentType=*"text/html"* pageEncoding=*"UTF-8"*%>

<!DOCTYPE html>

<html>

<head>

<meta http-equiv=*"Content-Type"* content=*"text/html; charset=UTF-8"*>

<title>Student Added Successfully</title>

</head>

<body bgcolor=*"silver"*>

<form method=*"post"* action=*"student.jsp"*>

<div align = *"center"*>

<h3>New Student Added Successfuly</h3>

<input type=*"submit"* value=*"Add More"*>

</div>

</form>

<form method=*"post"* action=*"success.jsp"*>

<div align=*"center"*>

<h3>Or Go back to</h3>

<input type=*"submit"* value=*"Admin Dashboard"*>

</div>

</form>

</body>

</html>

JSP page to show unsuccessful addition of same student to a same class – studentexist.jsp

<%@page contentType=*"text/html"* pageEncoding=*"UTF-8"*%>

<!DOCTYPE html>

<html>

<head>

<meta http-equiv=*"Content-Type"* content=*"text/html; charset=UTF-8"*>

<title>Student Class</title>

</head>

<body bgcolor=*"silver"*>

<form method=*"post"* action=*"student.jsp"*>

<div align = *"center"*>

<h3>Wrong Input! Student with this name already exist in the class</h3>

<input type=*"submit"* value=*"Try Again"*>

</div>

</form>

<form method=*"post"* action=*"success.jsp"*>

<div align=*"center"*>

<h3>Or Go back to</h3>

<input type=*"submit"* value=*"Admin Dashboard"*>

</div>

</form>

</body>

</html>

Get Master list of all students according to class – chooseclass.jsp

<%@ page import=*"java.sql.\*"* %>

<%ResultSet cname;%>

<HTML>

<HEAD>

<TITLE>Select element drop down box</TITLE>

</HEAD>

<body bgcolor=*"silver"*>

<form method = *"post"* action=*"masterstudentlist"*>

<div align = *center*>

<h4> Select Class</h1>

<%

**try**{

//Class.forName("com.mysql.jdbc.Driver").newInstance();

Connection connection =

DriverManager.getConnection

("jdbc:mysql://localhost:3306/mysql",

"root", "");

Statement statement = connection.createStatement() ;

cname =statement.executeQuery("select \*from class") ;

%>

<center>

<select name = *"className"*>

<% **while**(cname.next()){ %>

<option><%=cname.getString(2)%></option>

<% } %>

</select>

</center>

<%

}

**catch**(Exception e)

{

out.println("wrong entry"+e);

}

%>

<input type= *"submit"* Value = *"Get Student List"*>

</div>

</form>

<form method=*"post"* action=*"success.jsp"*>

<div align = *"center"*>

<h3>Or Go back to</h3>

<input type=*"submit"* value=*"Admin Dashboard"*>

</div>

</form>

</body>

</html>

Servlet “masterstudentlist” to list of all students according to class from multiple database table student– MasterStudentList.java

**package** studentlist;

**import** java.io.IOException;

**import** java.io.PrintWriter;

**import** java.sql.Connection;

**import** java.sql.DriverManager;

**import** java.sql.ResultSet;

**import** java.sql.Statement;

**import** javax.servlet.ServletException;

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

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

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

/\*\*

\* Servlet implementation class MasterStudentList

\*/

**public** **class** MasterStudentList **extends** HttpServlet

{

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

/\*\*

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

\*/

**public** MasterStudentList()

{

**super**();

// **TODO** Auto-generated constructor stub

}

/\*\*

\* **@see** HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)

\*/

**protected** **void** doPost(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException

{

PrintWriter out = response.getWriter();

response.setContentType("text/html");

String c = request.getParameter("className");

// String c = request.getParameter("cname");

out.println("<html><body bgcolor=silver>");

**try**

{

Class.*forName*("com.mysql.jdbc.Driver");

Connection con = DriverManager.*getConnection*("jdbc:mysql://localhost:3306/mysql",

"root", "");

Statement stmt = con.createStatement();

ResultSet rs = stmt.executeQuery("select \*from student where Class = '"+c+"'");

out.println("<div align=center>");

out.println("<table border=1 width=50% height=15%>");

// out.println("<tr><th>studid</th><th>Student</th><th>Class</th><tr>");

out.println("<tr><th>studid</th><th>Student</th><tr>");

out.println("<h3>"+ "Students of Class " + c + "</h3>");

**while** (rs.next())

{

**int** n = rs.getInt("studid");

String nm = rs.getString("Student");

//String s = rs.getString("Class");

//out.println("<tr><td>" + n + "</td><td>" + nm + "</td><td>" + s + "</td></tr>");

out.println("<tr><td>" + n + "</td><td>" + nm + "</td></tr>");

}

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

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

out.println("<form action=chooseclass.jsp>");

out.println("<input type=submit value = 'GoBack'>");

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

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

con.close();

}

**catch** (Exception e)

{

out.println(e);

}

}

/\*\*

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

\*/

}

Generate class report page – classreport.jsp

<%@ page import=*"java.sql.\*"* %>

<%ResultSet cname;%>

<HTML>

<HEAD>

<TITLE>Select element drop down box</TITLE>

</HEAD>

<body bgcolor=*"silver"*>

<form method = *"post"* action=*"masterreport"*>

<div align = *center*>

<%

**try**{

Class.forName("com.mysql.jdbc.Driver").newInstance();

Connection connection =

DriverManager.getConnection

("jdbc:mysql://localhost:3306/mysql",

"root", "");

Statement statement = connection.createStatement() ;

cname =statement.executeQuery("select \*from class") ;

%>

<center>

<h4> Select Class Name</h1>

<select name = *"className"*>

<% **while**(cname.next()){ %>

<option><%=cname.getString(2)%></option>

<% } %>

</select>

</center>

<%

}

**catch**(Exception e)

{

out.println("wrong entry"+e);

}

%>

<input type= *"submit"* Value = *"Generate Report"*>

</div>

</form>

<form method=*"post"* action=*"success.jsp"*>

<div align = *"center"*>

<h3>Or Go back to</h3>

<input type=*"submit"* value=*"Admin Dashboard"*>

</div>

</form>

</body>

</html>

Servlet “masterreport” to connect to database tables- student , classsubject, tcs and fetch report in table– MasterReport.java

**package** masterlist;

**import** java.io.IOException;

**import** java.io.PrintWriter;

**import** java.sql.Connection;

**import** java.sql.DriverManager;

**import** java.sql.ResultSet;

**import** java.sql.Statement;

**import** javax.servlet.ServletException;

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

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

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

/\*\*

\* Servlet implementation class MasterReport

\*/

**public** **class** MasterReport **extends** HttpServlet

{

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

/\*\*

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

\*/

**public** MasterReport()

{

**super**();

// **TODO** Auto-generated constructor stub

}

/\*\*

\* **@see** HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)

\*/

**protected** **void** doPost(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException

{

// **TODO** Auto-generated method stub

PrintWriter out = response.getWriter();

response.setContentType("text/html");

String c = request.getParameter("className");

out.println("<html><body style=background:silver>");

**try**

{

Class.*forName*("com.mysql.jdbc.Driver");

Connection con = DriverManager.*getConnection*("jdbc:mysql://localhost:3306/mysql",

"root", "");

Statement stmt = con.createStatement();

Statement st = con.createStatement();

Statement ts = con.createStatement();

ResultSet rs = stmt.executeQuery("select \*from student where Class = '"+c+"'");

ResultSet sub = st.executeQuery("select Subject from classsubject where Class = '"+c+"'");

ResultSet t = ts.executeQuery("select Subject, Teacher from tcs where Class = '"+c+"'");

out.println("<h3 align=center>"+ "Report of Class " + c + "</h3>");

out.println("<div align=center>");

out.println("<table border=1 width=50% height=15% style=background-color:aqua;align=center>");

out.println("<tr><th>STUDENT\_ID</th><th>STUDENTS</th></tr>");

// out.println("<tr><th>studid</th><th>Student</th><tr>");

**while**(rs.next())

{

**int** n = rs.getInt("studid");

String nm = rs.getString("Student");

// String s = sub.getString("Subject");

out.println("<tr><td align=center>" + n + "</td><td align=center>" + nm + "</td></tr>");

//out.println("<tr><td>" + n + "</td><td>" + nm + "</td><td>" + s + "</td></tr>");

// out.println("<tr><td>" + n + "</td><td>" + nm + "</td></tr>");

}

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

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

//con.close();

out.println("<div align=center>");

out.println("<table border=1 width=50% height=1% style=background-color:yellow>");

out.println("<tr><th>SUBJECTS</th></tr>");

**while**(sub.next())

{

String s = sub.getString("Subject");

out.println("<tr><td align=center>" + s + "</td></tr>");

}

//}

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

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

out.println("<div align=center>");

out.println("<table border=1 width=50% height=10% style=background-color:pink>");

out.println("<tr><th>SUBJECTS</th><th>TEACHERS</th></tr>");

**while**(t.next())

{

String j = t.getString("Subject");

String k = t.getString("Teacher");

out.println("<tr><td align=center>" + j + "</td><td align=center>" + k + "</td></tr>");

}

//}

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

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

out.println("<form action=classreport.jsp>");

out.println("<input type=submit value = 'GoBack'>");

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

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

//con.close();

}

**catch** (Exception e)

{

out.println("Exception while retrieving : " + e.getMessage());

}

}

}

Logout jsp page – logout.jsp

<%

session.setAttribute("userName", **null**);

session.invalidate();

response.sendRedirect("index.jsp");

%>