1. Database Creation:

```
mysql> create database school;
```

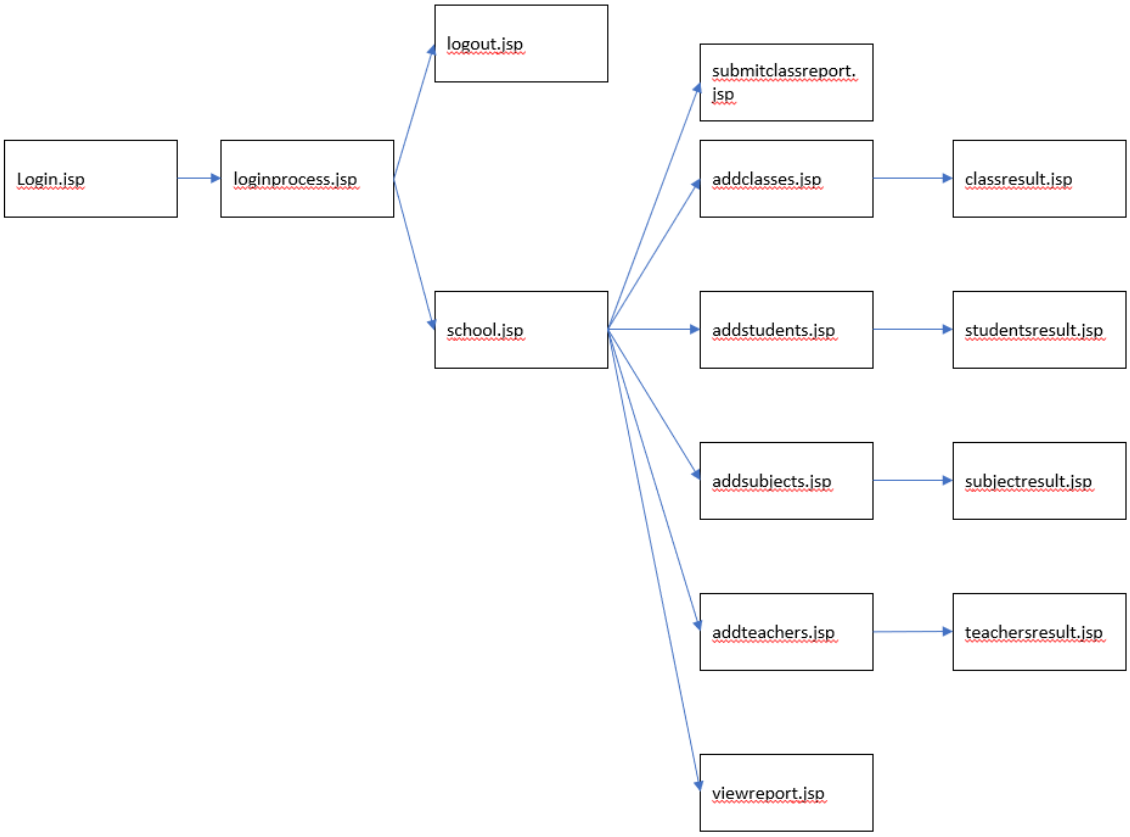
```
mysql> use database school
```

2. Tables Creation:

```
CREATE TABLE `subjects` (
  `subjects_name` varchar(30) NOT NULL,
  PRIMARY KEY (`subjects_name`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1 ;

CREATE TABLE `classes` (
  `classes_name` varchar(30) NOT NULL,
  PRIMARY KEY (`classes_name`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

CREATE TABLE `user` (
  `email` varchar(30) DEFAULT NULL,
  `password` varchar(30) DEFAULT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

CREATE TABLE `students` (
  `student_name` varchar(30) NOT NULL
) ENGINE=InnoDB  DEFAULT CHARSET=latin1;

CREATE TABLE `teachers` (

  `teacher_name` varchar(30) NOT NULL
```

```
) ENGINE=InnoDB  DEFAULT CHARSET=latin1;



CREATE TABLE `class_report` (

  `student_name` varchar(30) NOT NULL,

  `teacher_name` varchar(30) NOT NULL,
  `subjects_name` varchar(30) NOT NULL,
  `classes_name` varchar(30) NOT NULL,
  PRIMARY KEY (`student_name`)
) ENGINE=InnoDB AUTO_INCREMENT=8990 DEFAULT CHARSET=latin1;
```

3. JSP Flow Diagram



3. DAO java sources:

a.classesdao.java

```
package com.dao;


import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.util.ArrayList;
import java.util.List;


import com.school.bean.classes;
```

```
public class classesdao {
public static Connection getConnection(){
        Connection con=null;
        try{
          Class.forName("com.mysql.jdbc.Driver");
          con=DriverManager.getConnection("jdbc:mysql://localhost:3306/school","root","mysql");
        }catch(Exception e){System.out.println(e);}
        return con;
      }

public static int saveclasses(classes cl){
      int status = 0;
      try{
            Connection conn = getConnection();
            PreparedStatement ps =conn.prepareStatement("insert"
                        + " into classes(classes_name)values(?)");
            ps.setString(1,cl.getClass_name());
            status=ps.executeUpdate();
   }catch(Exception e){System.out.println(e);}
      return status;
      }


public static List<classes> getallclasses(){
      List<classes> list=new ArrayList<classes>();
      try{
            Connection conn=getConnection();
            PreparedStatement ps=conn.prepareStatement("select * from classes ");
```

```
                ResultSet rs=ps.executeQuery();
                while(rs.next()){
                        classes cl= new classes();
                        cl.setClass_name(rs.getString("classes_name"));
                        list.add(cl);

                }

        }catch(Exception e){System.out.println(e);}
        return list;

}

}
```

b. classreportdao.java

```
package com.dao;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.util.ArrayList;
import java.util.List;

import com.school.bean.class_report;

public class classreportdao {
```

```
public static Connection getConnection(){
        Connection con=null;
        try{
          Class.forName("com.mysql.jdbc.Driver");
          con=DriverManager.getConnection("jdbc:mysql://localhost:3306/school","root","mysql");
        }catch(Exception e){System.out.println(e);}
        return con;
      }

public static int saveclassreport(class_report  r){
      int status = 0;
      try{
            Connection conn=getConnection();
            PreparedStatement ps =conn.prepareStatement("insert"
                              + " into
class_report(student_name,teacher_name,subjects_name,classes_name)values(?,?,?,?)");

            ps.setString(1,r.getStudent_name());
            ps.setString(2, r.getTeacher_name());
            ps.setString(3, r.getSubjects_name());
            ps.setString(4,r.getClasses_name());

            status=ps.executeUpdate();
    }catch(Exception e){System.out.println(e);}
      return status;
      }

public static List<class_report> getallclassreport(){
```

```
        List<class_report> list=new ArrayList<class_report>();
        try{
                Connection conn=getConnection();
                PreparedStatement ps=conn.prepareStatement("select * from class_report ");
                ResultSet rs=ps.executeQuery();
                while(rs.next()){
                        class_report r = new class_report();



                        r.setStudent_name(rs.getString("student_name"));
                        r.setTeacher_name(rs.getString("teacher_name"));
                   r.setSubjects_name(rs.getString("subjects_name"));
                        r.setClasses_name(rs.getString("classes_name"));



                        list.add(r);

                }

        }catch(Exception e){System.out.println(e);}
        return list;

}
}
```

c. logindao.java

```
package com.dao;
```

```
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import com.school.bean.login;

public class logindao {



public static Connection getConnection(){
        Connection con=null;
        try{
          Class.forName("com.mysql.jdbc.Driver");
          con=DriverManager.getConnection("jdbc:mysql://localhost:3306/school","root","mysql");
        }catch(Exception e){System.out.println(e);}
        return con;
      }



public static boolean validatecredentials(login lg){
      boolean status=false;
      try{
            Connection conn=getConnection();
            PreparedStatement ps=conn.prepareStatement("select * from user where email=? and
password =?");
            ps.setString(1,lg.getEmail());
            ps.setString(2, lg.getPassword());

            ResultSet rs=ps.executeQuery();
```

```
                status=rs.next();


        }catch(Exception e){System.out.println(e);}
        return status;

}
}
```

e. studentsdao.java

```
package com.dao;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.util.ArrayList;
import java.util.List;

import com.school.bean.students;


public class studentsdao {


public static Connection getConnection(){
        Connection con=null;
        try{
           Class.forName("com.mysql.jdbc.Driver");
           con=DriverManager.getConnection("jdbc:mysql://localhost:3306/school","root","mysql");
```

```
        }catch(Exception e){System.out.println(e);}
        return con;
    }

public static int savestudents(students t){
    int status = 0;
    try{
        Connection conn = getConnection();
        PreparedStatement ps =conn.prepareStatement("insert"
                + " into students(student_name)values(?)");

        ps.setString(1,t.getStudent_name());
        status=ps.executeUpdate();
  }catch(Exception e){System.out.println(e);}
    return status;
    }

public static List<students> getallstudents(){
    List<students> list=new ArrayList<students>();
    try{
        Connection conn=getConnection();
        PreparedStatement ps=conn.prepareStatement("select * from students ");
        ResultSet rs=ps.executeQuery();
        while(rs.next()){
            students st= new students();

            st.setStudent_name(rs.getString("student_name"));
            list.add(st);
```

```
                }

        }catch(Exception e){System.out.println(e);}
        return list;

}
}
```

E subjectsdao.java

```
package com.dao;



import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.util.ArrayList;
import java.util.List;

import com.school.bean.subjects;



public class subjectdao {

public static Connection getConnection(){
        Connection con=null;
        try{
            Class.forName("com.mysql.jdbc.Driver");
```

```
            con=DriverManager.getConnection("jdbc:mysql://localhost:3306/school","root","mysql");
        }catch(Exception e){System.out.println(e);}
        return con;
    }

public static int savesubjects(subjects s){
    int status = 0;
    try{
            Connection conn = getConnection();
            PreparedStatement ps =conn.prepareStatement("insert"
                        + " into subjects(subjects_name)values(?)");
            ps.setString(1,s.getSubject_name());
            status=ps.executeUpdate();
  }catch(Exception e){System.out.println(e);}
    return status;
    }

public static List<subjects> getallsubjects(){
    List<subjects> list=new ArrayList<subjects>();
    try{
            Connection conn=getConnection();
            PreparedStatement ps=conn.prepareStatement("select * from subjects ");
            ResultSet rs=ps.executeQuery();
            while(rs.next()){
                subjects s= new subjects();
                s.setSubject_name(rs.getString("subjects_name"));
                list.add(s);

            }
```

```
        }catch(Exception e){System.out.println(e);}
        return list;

}

}
```

f. teachersdao.java

```
package com.dao;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.util.ArrayList;
import java.util.List;

import com.school.bean.teachers;


public class teachersdao {

public static Connection getConnection(){
            Connection con=null;
            try{
               Class.forName("com.mysql.jdbc.Driver");
               con=DriverManager.getConnection("jdbc:mysql://localhost:3306/school","root","mysql");
            }catch(Exception e){System.out.println(e);}
            return con;
```

```
        }

public static int saveteachers(teachers t){
        int status = 0;
        try{
                Connection conn = getConnection();
                PreparedStatement ps =conn.prepareStatement("insert"
                                + " into teachers(teacher_name)values(?)");

                ps.setString(1,t.getTeacher_name());
                status=ps.executeUpdate();
    }catch(Exception e){System.out.println(e);}
        return status;
        }

public static List<teachers> getallteachers(){
        List<teachers> list=new ArrayList<teachers>();
        try{
                Connection conn=getConnection();
                PreparedStatement ps=conn.prepareStatement("select * from teachers ");
                ResultSet rs=ps.executeQuery();
                while(rs.next()){
                        teachers t= new teachers();

                        t.setTeacher_name(rs.getString("teacher_name"));
                        list.add(t);

                }
```

```
        }catch(Exception e){System.out.println(e);}

        return list;


}

}
```

4. Pojo classes:

a. class_report.java

```
package com.school.bean;

public class class_report {

private String student_name;

private String teacher_name;
private String subjects_name;
private String classes_name;

public String getStudent_name() {
      return student_name;
}
public void setStudent_name(String student_name) {
      this.student_name = student_name;
}
public String getTeacher_name() {
      return teacher_name;
}
public void setTeacher_name(String teacher_name) {
      this.teacher_name = teacher_name;
}
public String getSubjects_name() {
      return subjects_name;
}
public void setSubjects_name(String subjects_name) {
      this.subjects_name = subjects_name;
}
public String getClasses_name() {
      return classes_name;
}
public void setClasses_name(String classes_name) {
      this.classes_name = classes_name;
}
}
```

b. classes.java

```
package com.school.bean;

public class classes {
private String classes_name;

public String getClass_name() {
	return classes_name;
}

public void setClass_name(String classes_name) {
	this.classes_name = classes_name;
}

}
```

c. login.java

```
package com.school.bean;

public class login {

	private String Email, Password;

	public String getEmail() {
		return Email;
	}

	public void setEmail(String email) {
		Email = email;
	}

	public String getPassword() {
		return Password;
	}

	public void setPassword(String password) {
		Password = password;
	}


}
```

d. students.java

```
package com.school.bean;

public class students {
private String student_name;
```

```
public String getStudent_name() {
	return student_name;
}

public void setStudent_name(String student_name) {
	this.student_name = student_name;
}

}
```

e. subjects.java

```
package com.school.bean;

public class subjects {
private String subject_name;

public String getSubject_name() {
	return subject_name;
}

public void setSubject_name(String subject_name) {
	this.subject_name = subject_name;
}


}
```

f. teachers.java

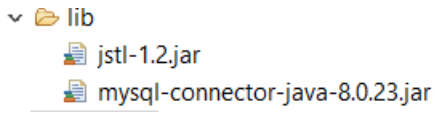
```
package com.school.bean;

public class teachers {

private String teacher_name;


public String getTeacher_name() {
	return teacher_name;
}
public void setTeacher_name(String teacher_name) {
	this.teacher_name = teacher_name;
}


}
```

5. Web.xml

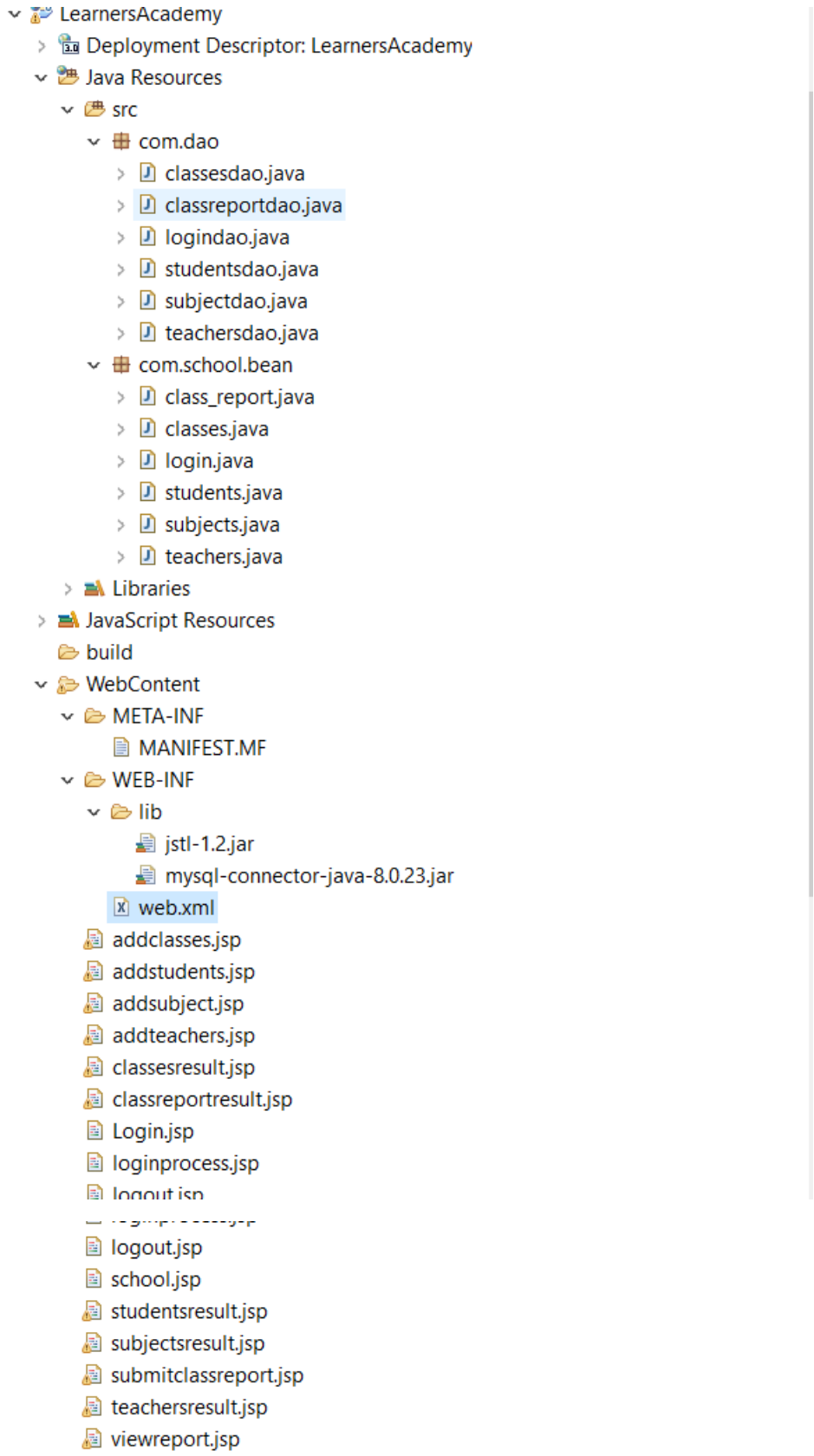
```
<?xml version="1.0" encoding="UTF-8"?>
```

```
<web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns="http://java.sun.com/xml/ns/javaee"
xsi:schemaLocation="http://java.sun.com/xml/ns/javaee
http://java.sun.com/xml/ns/javaee/web-app_3_0.xsd" id="WebApp_ID"
version="3.0">
  <display-name>LearnersAcademy</display-name>
  <welcome-file-list>
    <welcome-file>index.html</welcome-file>
    <welcome-file>index.htm</welcome-file>
    <welcome-file>Login.jsp</welcome-file>
    <welcome-file>default.html</welcome-file>
    <welcome-file>default.htm</welcome-file>
    <welcome-file>default.jsp</welcome-file>
  </welcome-file-list>
</web-app>
```

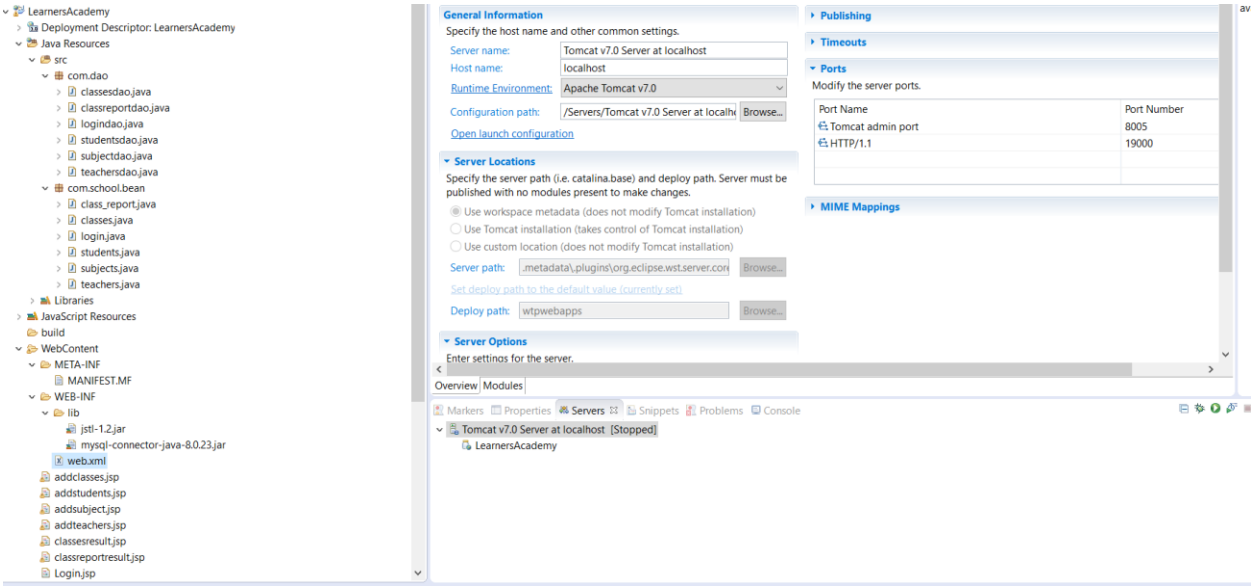
6. jars to be inserted in /WEB-INF/lib folder



7. directory of project


LearnersAcademy
Deployment Descriptor: LearnersAcademy
Java Resources
src
com.dao
classesdao.java
classreportdao.java
logindao.java
studentsdao.java
subjectdao.java
teachersdao.java
com.school.bean
class_report.java
classes.java
login.java
students.java
subjects.java
teachers.java
Libraries
JavaScript Resources
build
WebContent
META-INF
MANIFEST.MF
WEB-INF
lib
jstl-1.2.jar
mysql-connector-java-8.0.23.jar
web.xml
addclasses.jsp
addstudents.jsp
addsubject.jsp
addteachers.jsp
classesresult.jsp
classreportresult.jsp
Login.jsp
loginprocess.jsp
logout.jsp
school.jsp
studentsresult.jsp
subjectsresult.jsp
submitclassreport.jsp
teachersresult.jsp
viewreport.jsp

8. Tomcat version 7 used for webserver



9. JSP Scripts ascreenshots:

addclasses.jsp | login.java | students.java | subjects.java | teachers.java | web.xml | web.xml | Tomcat v7.0...

```
1  <%@page import="com.dao.classesdao"%>
2  <jsp:useBean id="c" class="com.school.bean.classes"></jsp:useBean>
3  <jsp:setProperty property="*" name="c"/>
4  <%@ page language="java" contentType="text/html; charset=ISO-8859-1"
5      pageEncoding="ISO-8859-1"%>
6  <!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">
7  <html>
8  <head>
9  <meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
10 <title>Add classes</title>
11 </head>
12 <body>
13
14 <form action=classesresult.jsp method=post>
15 <tr><td>Classes Name:</td><td>
16 <input type="text" name="classes_name" ></td></tr>
17
18 <input type="submit" value="Add Classes">
19 </form>
20
21
22
23 <td><a href=school.jsp>Main Page</a></td></tr>
24 <td><a href=logout.jsp>Logout</a></td></tr>
25 </body>
26 </html>
```

Markers | Properties | Servers | Snippets | Problems | Console

Tomcat v7.0 Server at localhost [Stopped]

LearnersAcademy

addstudents.jsp | addclasses.jsp | students.java | subjects.java | teachers.java | web.xml | web.xml | Tomcat v7.0...

```jsp
<%@page import="com.dao.studentsdao"%>
<jsp:useBean id="st" class="com.school.bean.students"></jsp:useBean>
<jsp:setProperty property="*" name="st"/>
<%@ 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>add teachers</title>
</head>
<body>
<form action=studentsresult.jsp method=post>


<tr><td>Students Name:</td><td>
<input type="text" name="student_name" ></td></tr>

<input type="submit" value="Add Students">
</form>
<td><a href=school.jsp>Main Page</a></td></tr>
<td><a href=logout.jsp>Logout</a></td></tr>
</body>
</html>
```

Markers | Properties | Servers | Snippets | Problems | Console

addstudents.jsp | addclasses.jsp | subjects.java | teachers.java | web.xml | web.xml | Tomcat v7.0... | addsubject.jsp

```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>Add Subjects</title>
</head>
<body>
<form action=subjectsresult.jsp method=post>
 <tr><td>Subject Name:</td><td>

<input type="text" name="subject_name"></td></tr>

<input type="submit" value="Add Subjects">


</form>

<td><a href=school.jsp>Main Page</a></td></tr>
<td><a href=logout.jsp>Logout</a></td></tr>
</body>
</html>
```

addstudents.jsp | addclasses.jsp | addteachers.jsp | web.xml | web.xml | Tomcat v7.0... | addsubject.jsp

```jsp
<%@page import="com.dao.teachersdao"%>
<jsp:useBean id="t" class="com.school.bean.teachers"></jsp:useBean>
<jsp:setProperty property="*" name="t"/>
<%@ 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>add teachers</title>
</head>
<body>
<form action=teachersresult.jsp method=post>

<tr><td>Teachers Name:</td><td>
<input type="text" name="teacher_name" ></td></tr>

<input type="submit" value="Add Teachers">

</form>
<td><a href=school.jsp>Main Page</a></td></tr>
<td><a href=logout.jsp>Logout</a></td></tr>
</body>
</html>
```

addstudents.jsp | addclasses.jsp | classesresul... | addteachers.jsp | web.xml | Tomcat v7.0... | addsubject.jsp

```jsp
<%@page import="com.dao.classesdao"%>
<jsp:useBean id="c" class="com.school.bean.classes"></jsp:useBean>
<%@ 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>Add Classes</title>
</head>
<body>

<%
String classes_name=request.getParameter("classes_name");
c.setClass_name(classes_name);


int i=classesdao.saveclasses(c);
if (i>0)
{out.println("classes added sucessfully");
}else
{
    out.println("classes not added");
}
%>

<td><a href=school.jsp>Main Page</a></td></tr>
<td><a href=logout.jsp>Logout</a></td></tr>
</body>
```

O

jsp:directive
jsp:useBean
jsp:directive
DOCTYPE:ht
html
head
body

addstudents.jsp | addclasses.jsp | classesresul... | addteachers.jsp | classreport... | Tomcat v7.0... | addsubject.jsp | »52

```
14 </head>
15 <body>
16 <%
17 String classes_name=request.getParameter("classnames");
18 cr.setClasses_name(classes_name);
19
20 String subjects_name=request.getParameter("subjectsname");
21 cr.setSubjects_name(subjects_name);
22
23
24
25 String student_name= request.getParameter("studentlist");
26 cr.setStudent_name(student_name);
27
28 String teacher_name= request.getParameter("teacherlist");
29 cr.setTeacher_name(teacher_name);
30
31
32
33 int i=classreportdao.saveclassreport(cr);
34 if (i>0)
35 {out.println("classes added successfully");
36 }else
37 {
38     out.println("classes not added");
39 }
40 %>
41 <td><a href=school.jsp>Main Page</a></td></tr>
42 <td><a href=logout.jsp>Logout</a></td></tr>
```

viewreport.jsp | studentsres... | subjectsres... | submitclass... | teachersres... | Login.jsp | loginproces...

```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>LearnersAcademy Login Page</title>
</head>
<body>
<h1>Login Admin of Learners Academy</h1>
<form action="loginprocess.jsp" method="post">
Email:<input type="text" name="email"/><br/><br/>
Password:<input type="password" name="password"/><br/><br/>
<input type="submit" value="login"/>
</form>
</body>
</html>
```

viewreport.jsp | studentsres... | subjectsres... | submitclass... | teachersres... | Login.jsp | loginproces...

```jsp
<%@page import="com.dao.logindao"%>
<jsp:useBean id="obj" class="com.school.bean.login"></jsp:useBean>

<jsp:setProperty property="*" name="obj"/> <%@ page language="java" contentType="text/html; charset=ISO-885
    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>login process</title>
</head>
<body>


<%
boolean status=logindao.validatecredentials(obj);
if(status){

out.println("You r successfully logged in");
session.setAttribute("session","TRUE");
String redirectURL = "school.jsp";
response.sendRedirect(redirectURL);
}
else
{
out.print("Sorry, email or password error");
}
%>
<jsp:include page="Login.jsp"></jsp:include>
```

classesresul... | school.jsp | addteachers.jsp | classreport... | addsubject.jsp | Login.jsp | loginproces... | logout.jsp

```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>School Admin</title>
</head>
<body>
<h1> Welcome to School Administration Portal of Learner's Academy</h1>
<table border="1" width="100%">
 <tr><td><a href=addsubject.jsp>Add Subjects</a></td>

<td> <a href=addclasses.jsp>Add Classes</a></td>

 <td><a href=addteachers.jsp>Add Teachers</a></td>

 <td><a href=addstudents.jsp>Add Students</a></td>

<td> <a href=submitclassreport.jsp>Assign Classes to Students</a></td>

 <td> <a href=viewreport.jsp>View Class Report</a></td>

  <td><a href=logout.jsp>Logout</a></td></tr>
 </table>

</body>
</html>
```

classesresul... | studentsres... | school.jsp | addteachers.jsp | classreport... | Login.jsp | loginproces... | logout.jsp

```jsp
<%@page import="com.dao.studentsdao"%>
<jsp:useBean id="st" class="com.school.bean.students"></jsp:useBean>
<%@ 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>Insert title here</title>
</head>
<body>

<%
String student_name=request.getParameter("student_name");
st.setStudent_name(student_name);
int i=studentsdao.savestudents(st);
if (i>0)
{out.println("Students added sucessfully");
}else
{
    out.println("Students not added");
}
%>
<td><a href=school.jsp>Main Page</a></td></tr>
<td><a href=logout.jsp>Logout</a></td></tr>
</body>
</html>
```

classesresul... studentsres... subjectsres... school.jsp classreport... Login.jsp loginproces... logout.jsp

```jsp
<%@page import="com.dao.subjectdao"%>
<jsp:useBean id="s" class="com.school.bean.subjects"></jsp:useBean>
<%@ 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>Insert title here</title>
</head>
<body>
<%
String subject_name=request.getParameter("subject_name");
s.setSubject_name(subject_name);
int i=subjectdao.savesubjects(s);
if (i>0)
{out.println("subject added sucessfully");
}else
{
    out.println("subject not added");
}
%>
<td><a href=school.jsp>Main Page</a></td></tr>
<td><a href=logout.jsp>Logout</a></td></tr>
</body>
</html>
```

studentsres... subjectsres... submitclass... school.jsp classreport... Login.jsp loginproces... logout.jsp

```jsp
%>
<tr><td>Student details</td></tr>
<select name="studentlist">
<c:forEach items="${studentlist}" var="studentlist">
<option >${studentlist.getStudent_name()}</option>

</c:forEach>
</select>


<%

List<teachers> teacherlist=teachersdao.getallteachers();

request.setAttribute("teacherlist",teacherlist);
%>
<tr><td>Teacher details</td></tr>
<select name="teacherlist">
<c:forEach items="${teacherlist}" var="teacherlist">
<option>${teacherlist.getTeacher_name()}</option>

</c:forEach>
</select>
<input type="submit" value="Submit" />
</form>
<td><a href=school.jsp>Main Page</a></td></tr>
<td><a href=logout.jsp>Logout</a></td></tr>
</body>
</html>
```

studentsres... subjectsres... submitclass... school.jsp teachersres... Login.jsp loginproces... logout.jsp

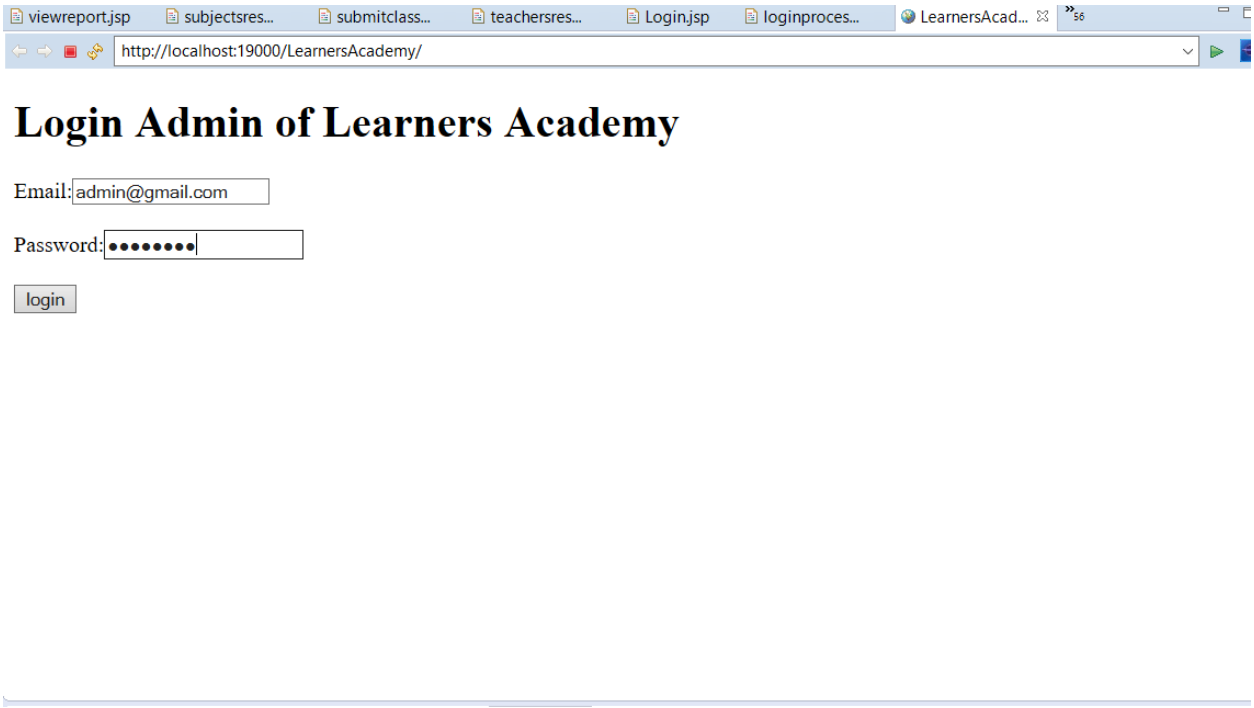
```jsp
<%@page import="com.dao.teachersdao"%>
<jsp:useBean id="t" class="com.school.bean.teachers"></jsp:useBean>
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
<title>Insert title here</title>
</head>
<body>

<%
String teacher_name=request.getParameter("teacher_name");
t.setTeacher_name(teacher_name);
int i=teachersdao.saveteachers(t);
if (i>0)
{out.println("teachers added sucessfully");
}else
{
    out.println("teachers not added");
}
%>
<td><a href=school.jsp>Main Page</a></td></tr>
<td><a href=logout.jsp>Logout</a></td></tr>
</body>
</html>
```

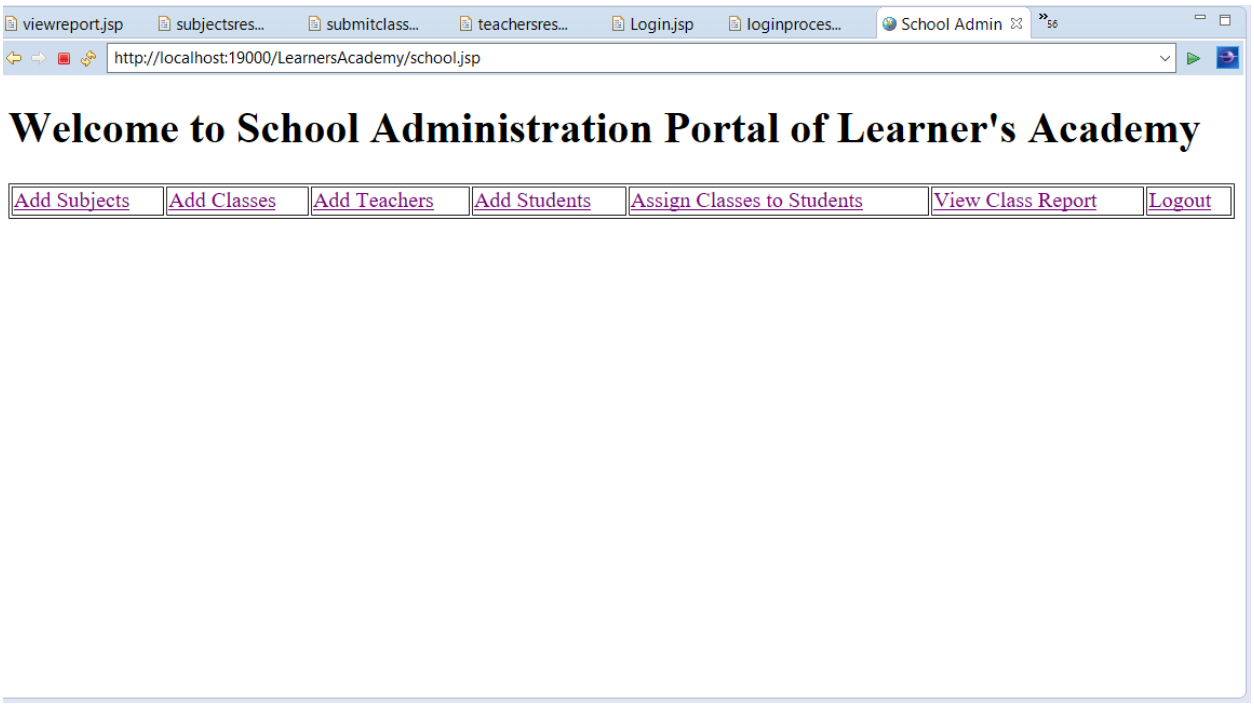
viewreport.jsp studentsres... subjectsres... submitclass... school.jsp teachersres... logout.jsp

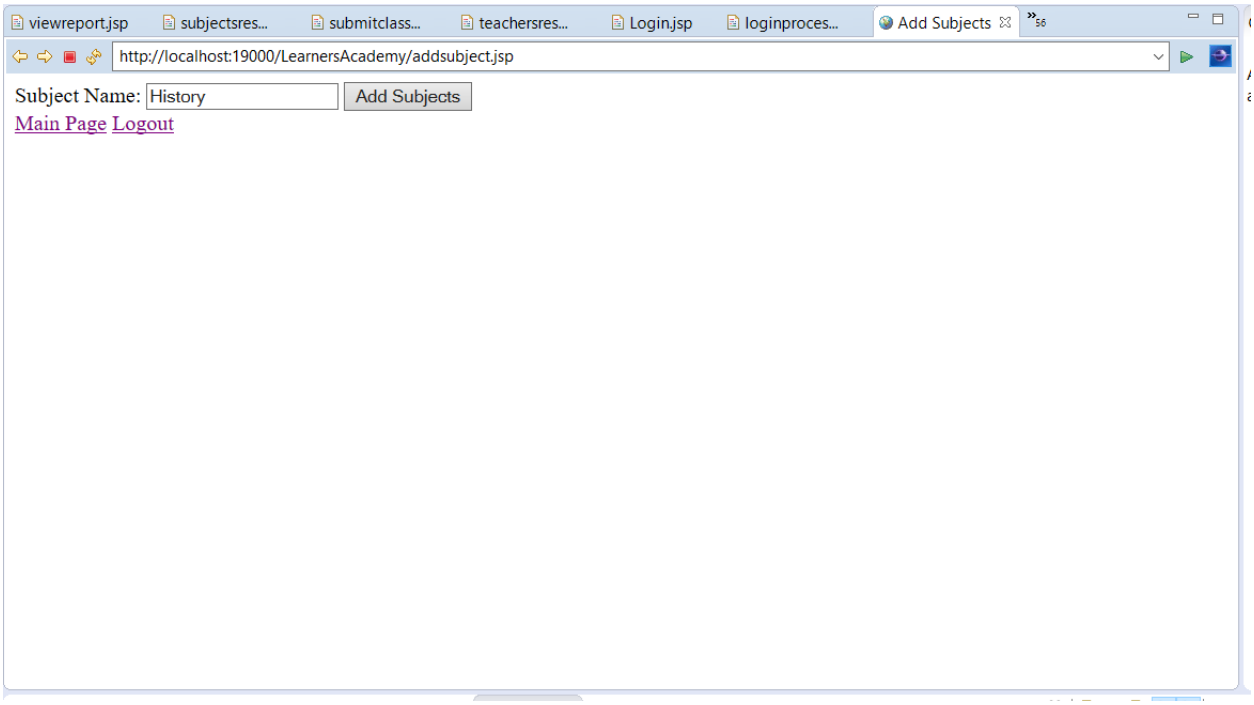
```jsp
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<%
List <class_report> list= classreportdao.getallclassreport();
request.setAttribute("list", list);


%>

<table border="1" width="90%">
<tr><th>Student_name</th><th>Teacher_name</th>
<th>Subjects_Name</th><th>Classes_name</th></tr>
<c:forEach items="${list}" var="r">
<tr><td>${r.getStudent_name()}</td>
<td>${r.getTeacher_name()}</td><td>${r.getSubjects_name()}</td><td>${r.getClasses_name()}</td>
</tr>
</c:forEach>
</table>
<td><a href=school.jsp>Main Page</a></td></tr>
<td><a href=logout.jsp>Logout</a></td></tr>
</body>
</html>
```

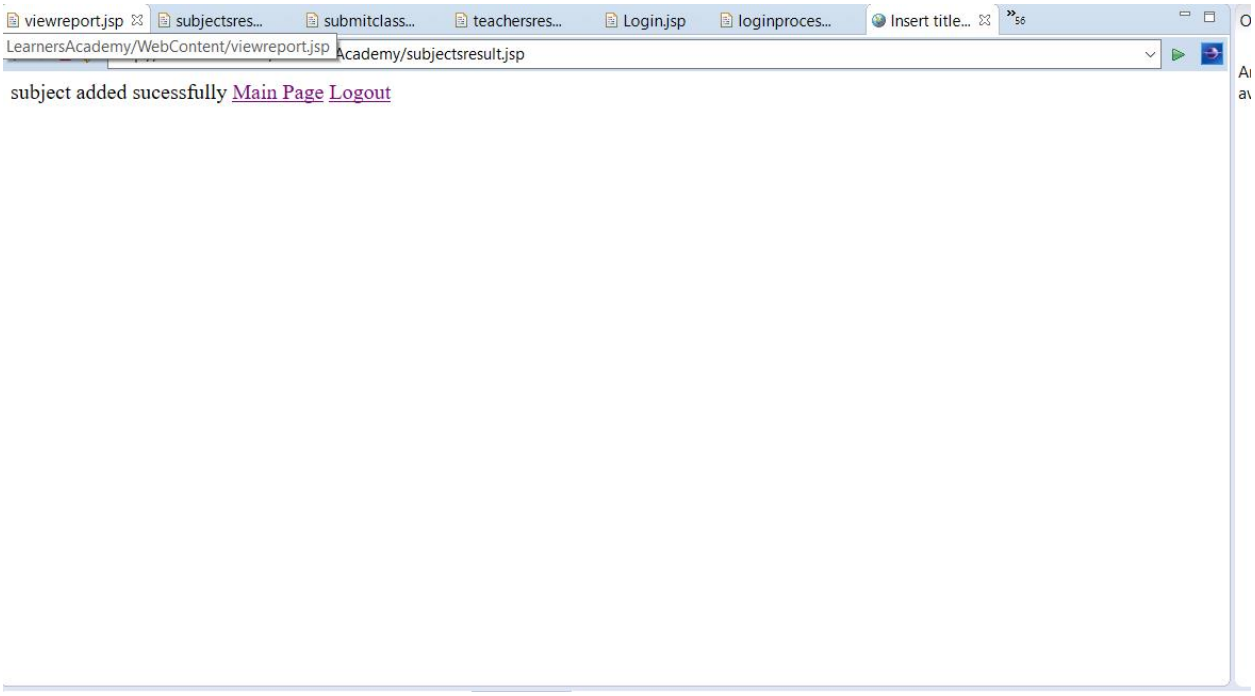
10. Web pages flow screen shot:

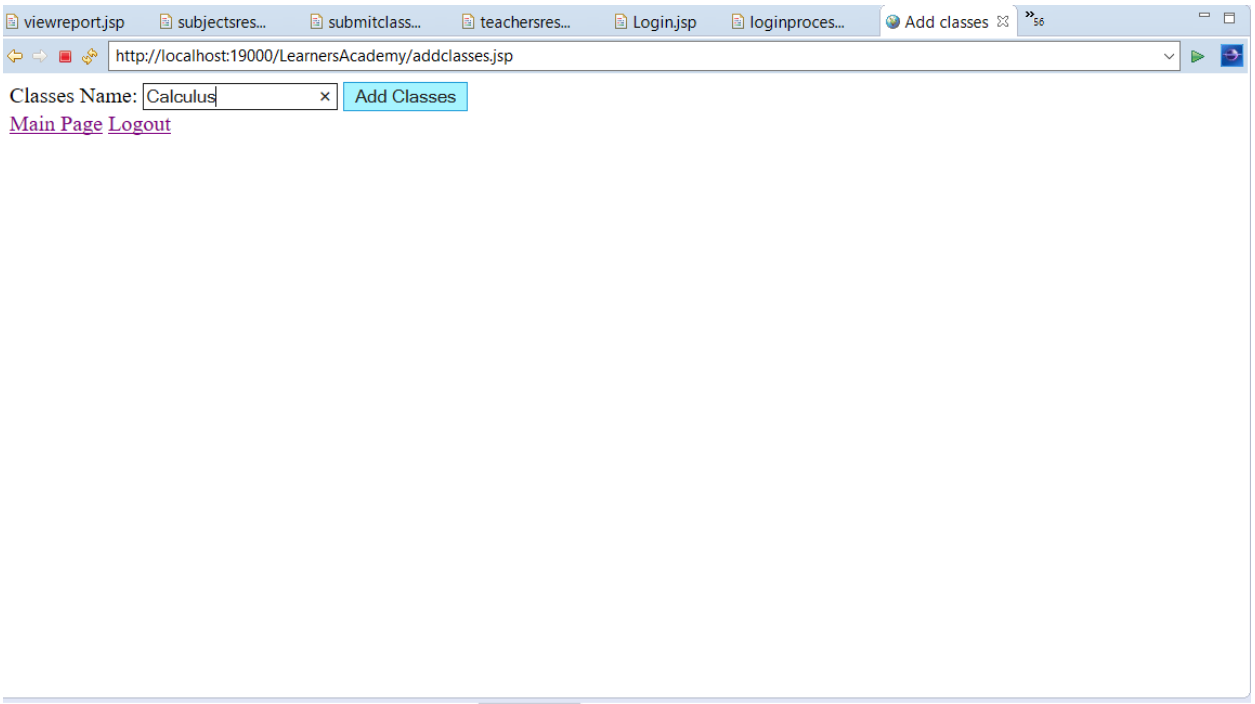
```
mysql> select * from user;
+-----------------+----------+
| email           | password |
+-----------------+----------+
| admin@gmail.com | password |
+-----------------+----------+
1 row in set (0.00 sec)
```

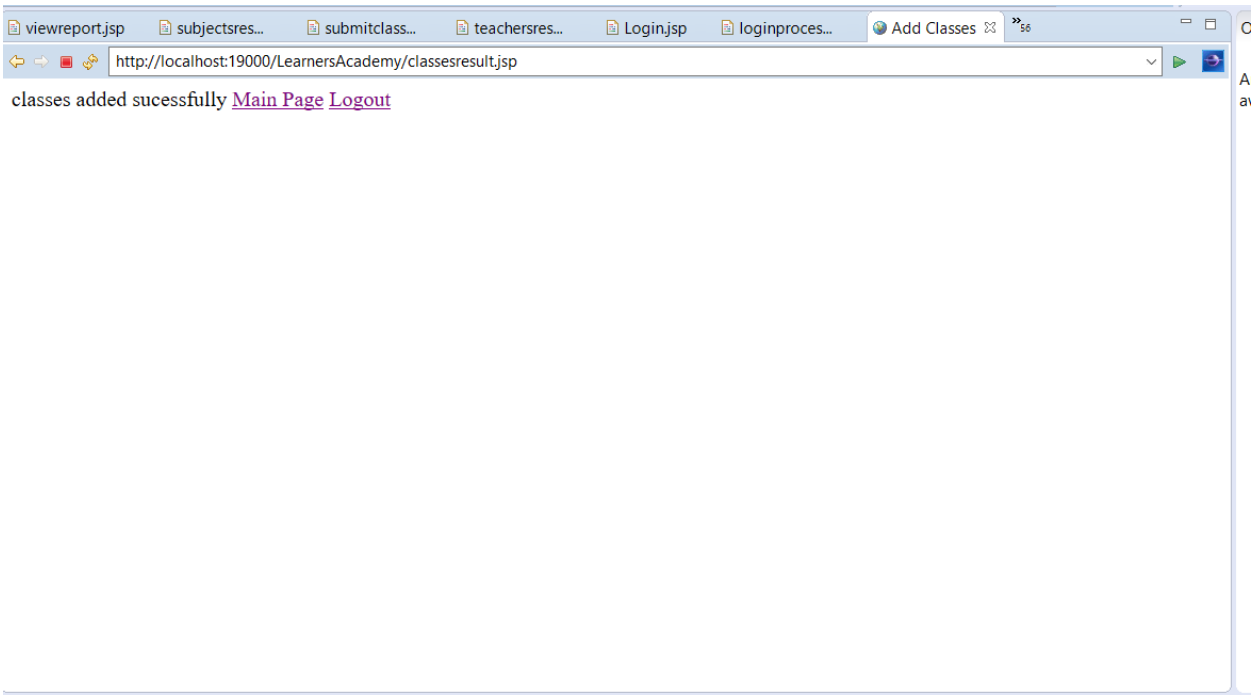


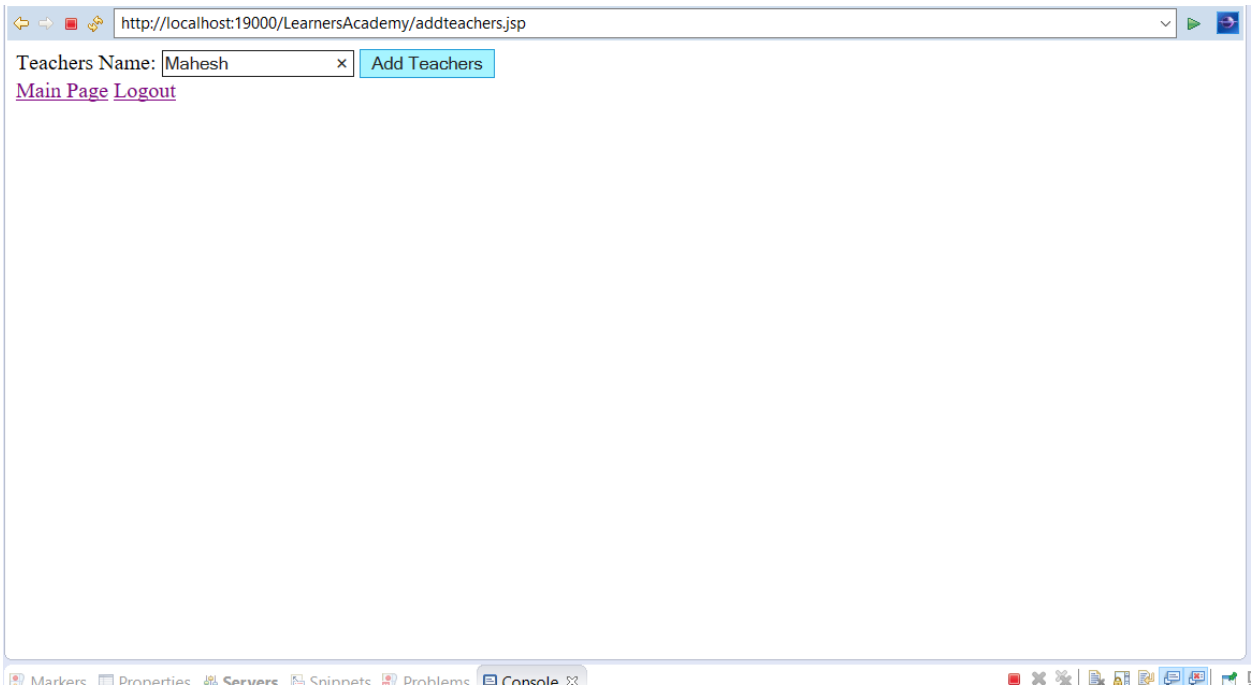

viewreport.jsp
subjectsres...
submitclass...
teachersres...
Login.jsp
loginproces...
School Admin
http://localhost:19000/LearnersAcademy/school.jsp
Welcome to School Administration Portal of Learner's Academy
Add Subjects
Add Classes
Add Teachers
Add Students
Assign Classes to Students
View Class Report
Logout

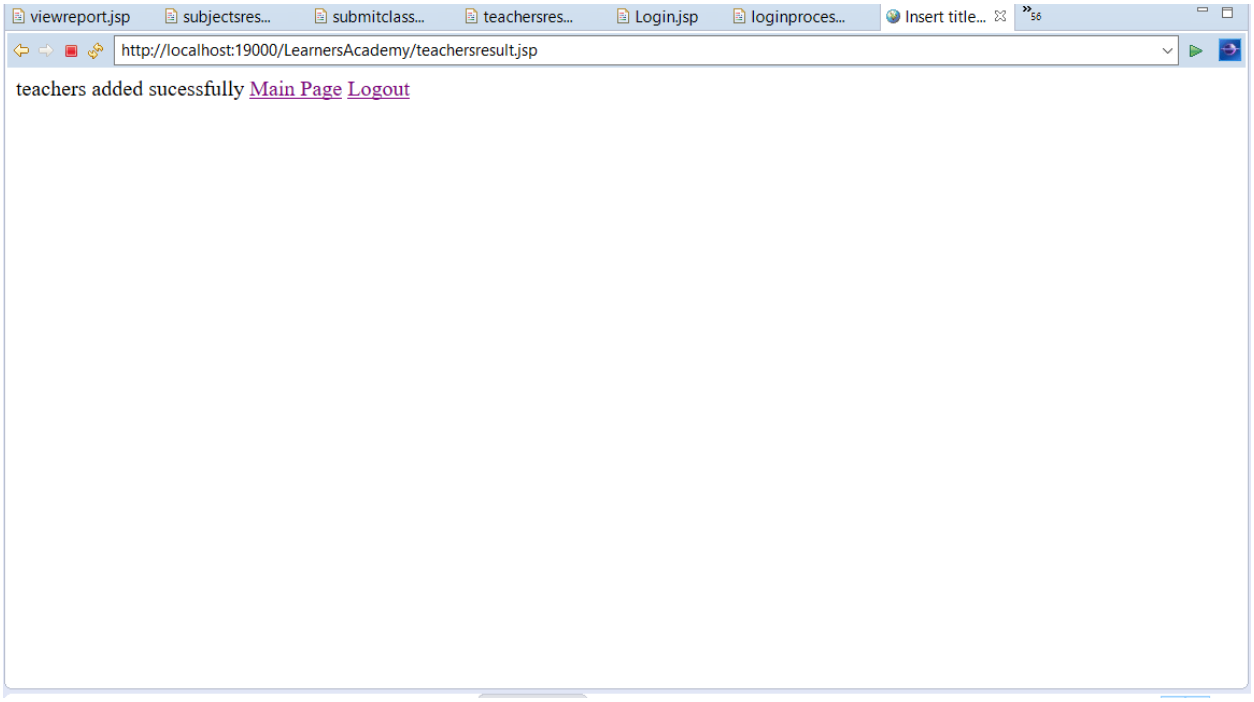

viewreport.jsp
subjectsres...
submitclass...
teachersres...
Login.jsp
loginproces...
Add Subjects
http://localhost:19000/LearnersAcademy/addsubject.jsp
Subject Name: History
Add Subjects
Main Page Logout

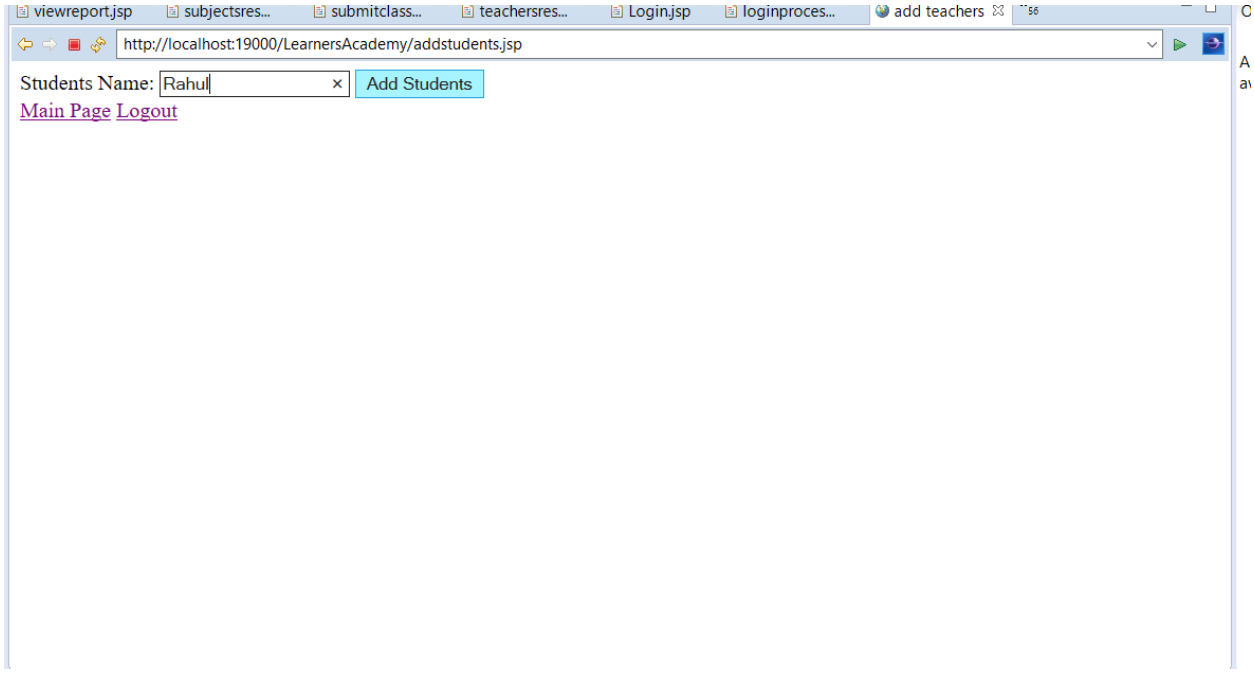

viewreport.jsp
subjectsres...
submitclass...
teachersres...
Login.jsp
loginproces...
Insert title...
LearnersAcademy/WebContent/viewreport.jsp
Academy/subjectsresult.jsp
subject added sucessfully Main Page Logout

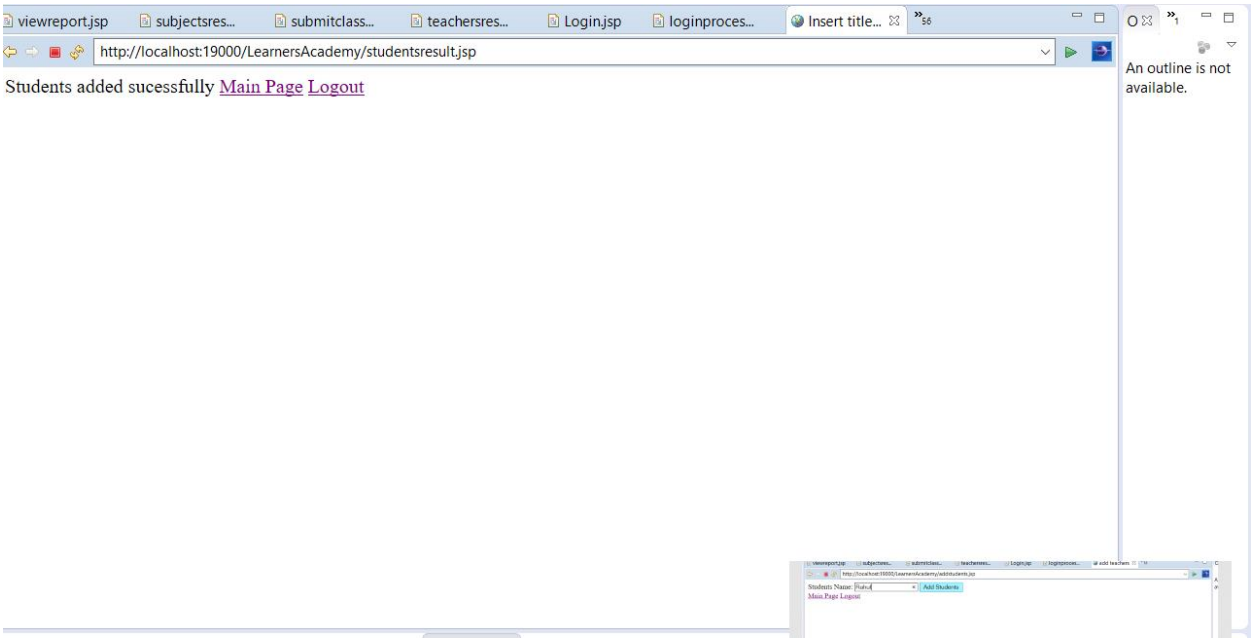

viewreport.jsp
subjectsres...
submitclass...
teachersres...
Login.jsp
loginproces...
Add classes
http://localhost:19000/LearnersAcademy/addclasses.jsp
Classes Name: Calculus
Add Classes
Main Page Logout

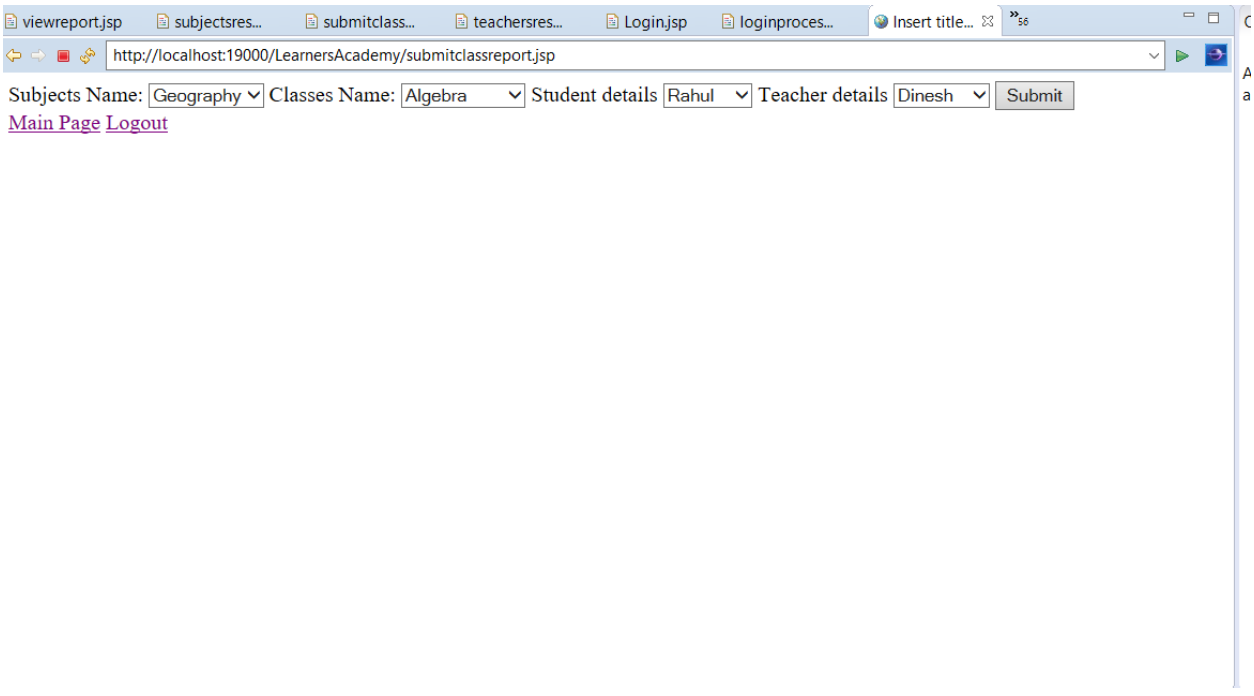

viewreport.jsp
subjectsres...
submitclass...
teachersres...
Login.jsp
loginproces...
Add Classes
http://localhost:19000/LearnersAcademy/classesresult.jsp
classes added sucessfully Main Page Logout


http://localhost:19000/LearnersAcademy/addteachers.jsp
Teachers Name: Mahesh
Add Teachers
Main Page Logout
Markers
Properties
Servers
Snippets
Problems
Console


viewreport.jsp
subjectsres...
submitclass...
teachersres...
Login.jsp
loginproces...
Insert title...
http://localhost:19000/LearnersAcademy/teachersresult.jsp
teachers added sucessfully Main Page Logout


viewreport.jsp
subjectsres...
submitclass...
teachersres...
Login.jsp
loginproces...
add teachers
http://localhost:19000/LearnersAcademy/addstudents.jsp
Students Name: Rahul
Add Students
Main Page Logout


viewreport.jsp
subjectsres...
submitclass...
teachersres...
Login.jsp
loginproces...
Insert title...
http://localhost:19000/LearnersAcademy/studentsresult.jsp
Students added sucessfully Main Page Logout
An outline is not available.

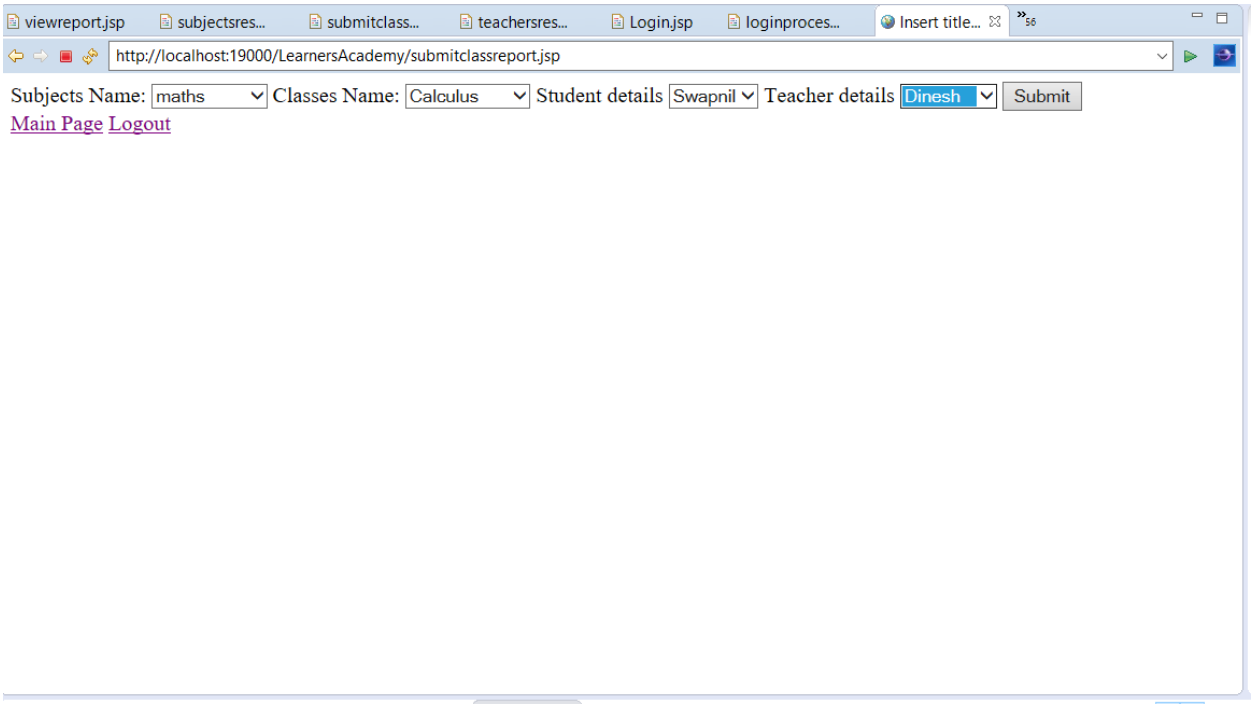

viewreport.jsp
subjectsres...
submitclass...
teachersres...
Login.jsp
loginproces...
Insert title...
http://localhost:19000/LearnersAcademy/submitclassreport.jsp
Subjects Name: Geography Classes Name: Algebra Student details Rahul Teacher details Dinesh Submit
Main Page Logout

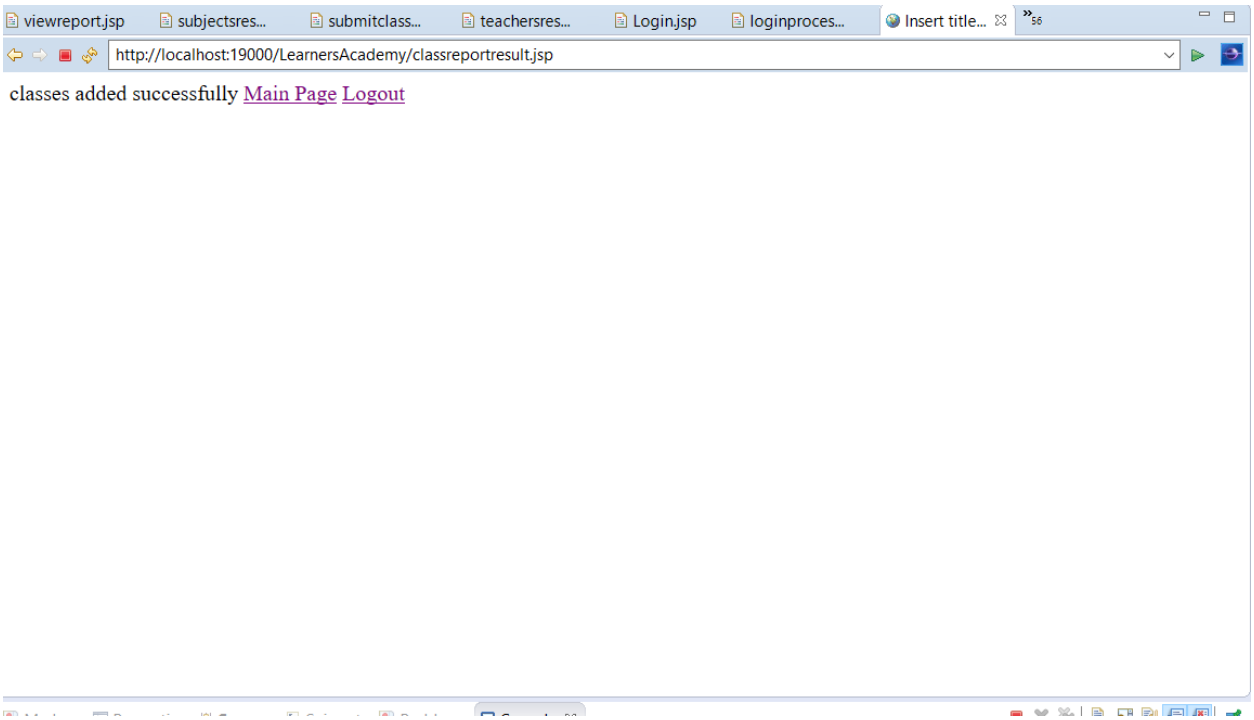
```
mysql> select * from subjects;
+---------------+
| subjects_name |
+---------------+
| Geography     |
| History       |
| maths         |
| science       |
+---------------+
4 rows in set (0.08 sec)
```

```
mysql> select * from students;
+--------------+
| student_name |
+--------------+
| Rahul        |
| Manoj        |
| Swapnil      |
| Jayesh       |
+--------------+
4 rows in set (0.00 sec)
```

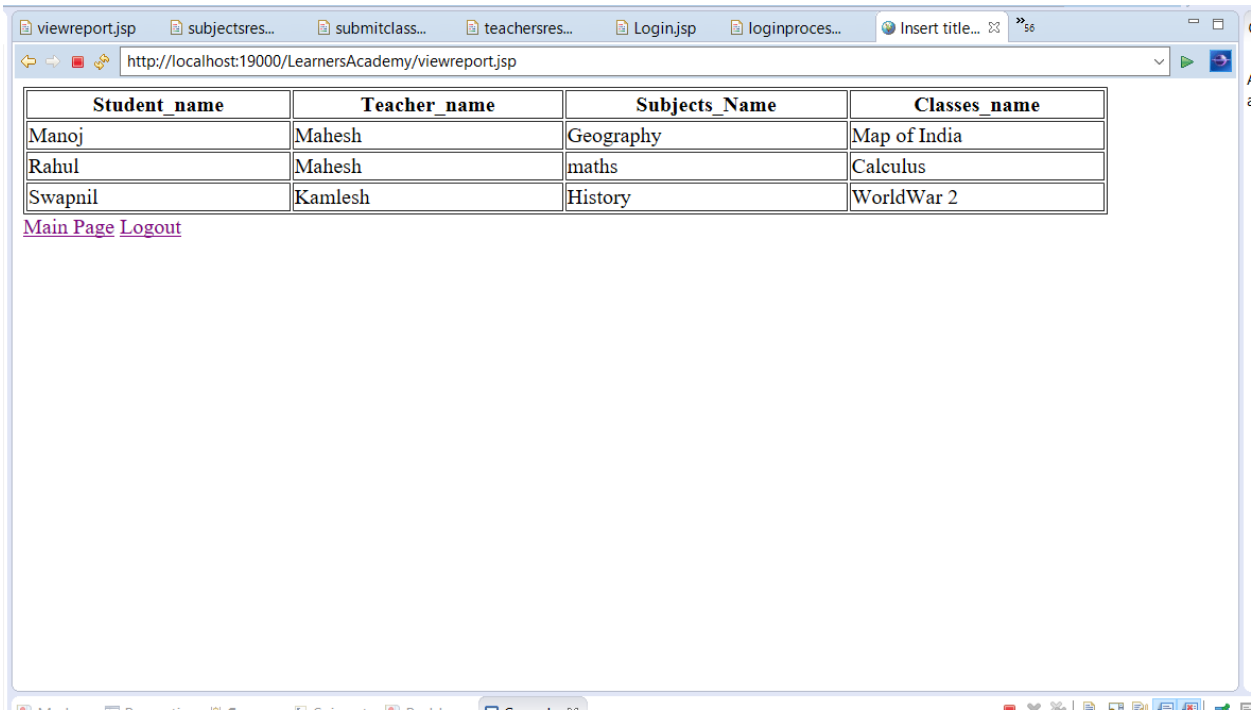
```
mysql> select * from classes;
+--------------+
| classes_name |
+--------------+
| Algebra      |
| Calculus     |
| GRavity      |
| Map of India |
| WorldWar 2   |
+--------------+
5 rows in set (0.08 sec)
```

```
mysql> select * from teachers;
+--------------+
| teacher_name |
+--------------+
| Dinesh       |
| Mahesh       |
| Dinesh       |
| Kamlesh      |
| Ramesh       |
+--------------+
5 rows in set (0.00 sec)
```


viewreport.jsp
subjectsres...
submitclass...
teachersres...
Login.jsp
loginproces...
Insert title...
http://localhost:19000/LearnersAcademy/submitclassreport.jsp
Subjects Name: maths
Classes Name: Calculus
Student details Swapnil
Teacher details Dinesh
Submit
Main Page Logout


viewreport.jsp
subjectsres...
submitclass...
teachersres...
Login.jsp
loginproces...
Insert title...
http://localhost:19000/LearnersAcademy/classreportresult.jsp
classes added successfully Main Page Logout

```
mysql> select * from class_report;
+--------------+--------------+---------------+--------------+
| student_name | teacher_name | subjects_name | classes_name |
+--------------+--------------+---------------+--------------+
| Manoj        | Mahesh       | Geography     | Map of India |
| Rahul        | Mahesh       | maths         | Calculus     |
| Swapnil      | Kamlesh      | History       | WorldWar 2   |
+--------------+--------------+---------------+--------------+
3 rows in set (0.01 sec)
```



11. Sprints planned

Sprints	Start Date	End Date
Sprint 1	30-Jan-21	1-Feb-21
Design and flow of JSP	30-Jan-21	1-Feb-21
Config Mysql	30-Jan-21	1-Feb-21
Tomcat 7	30-Jan-21	1-Feb-21
Required Jars	30-Jan-21	1-Feb-21
Sprint -2	Start Date	End Date
Create JSPs	2-Feb-21	5-Feb-21
Create POJO an DAO	2-Feb-21	5-Feb-21
Sprint -3	Start Date	End Date
Testing , Revising and Documenting	2-Feb-21	5-Feb-21