

Developing a Backend Admin for Learner's Academy

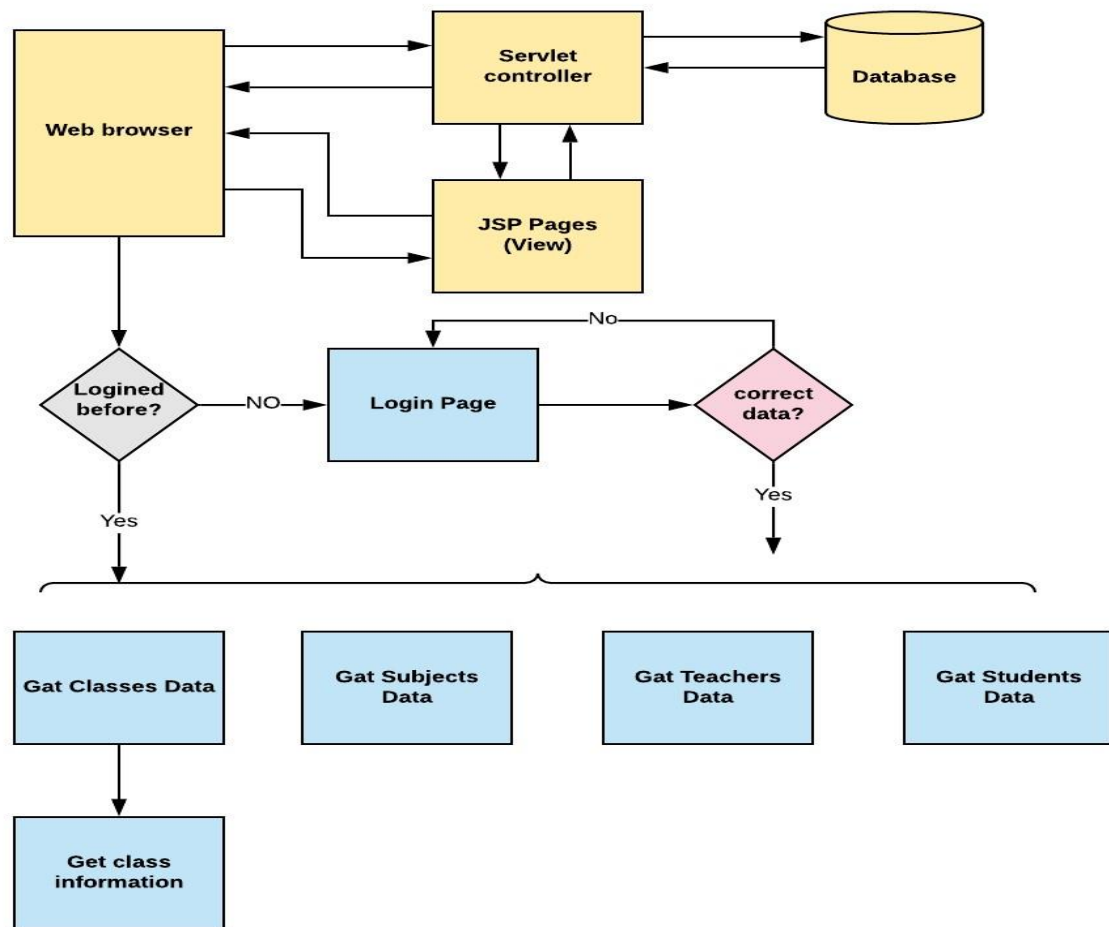
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Sprint Planning:

S. No	Task Name	Features	Duration	Status
1	Sprint 1	<ul style="list-style-type: none">Creating a Dynamic Web project.Developing the admin login page, List of Class, Subjects, Teachers.Connecting them to Database.	5 Days	Completed
2	Dynamic web project and designing the admin login page	<ul style="list-style-type: none">Creating a Dynamic Web Project.Coding for Admin Login page.	2 Day	Completed
3	Designing the List of Classes	Coding list of classes and providing option for editing and connecting them Database	1 Day	Completed
4	Designing the List of subjects	Coding list of subjects and providing option for editing and connecting them Database	1 Day	Completed
5	Designing the List of Teachers	Coding list of teachers and providing option for editing and connecting them Database	1 Day	Completed
6	Sprint 2	Coding for List of students and logging out	5 Days	Completed
7	Designing the List of students	Coding list of students and providing option for editing and connecting them Database	2 Days	Completed
8	Designing the logging out Procedure	Coding for logging out of the admin page	1 Day	Completed
9	Testing	Testing the code whether it is working properly or not	1 Day	Completed
10	Documentations	Preparing a documentation for the application developed	1 Day	Completed

Flow Chart:



Application Flow:

- Whenever the application is opened and admin login interface will be displayed, the admin needs to login into the application with 'admin' Username and Password.
- Once the admin is logged in to the application. Home page will be display with Class, Subject, Teacher and Student buttons along with logout tab.
- If one of the options, say subjects is selected then a list of subjects will be displayed which are already saved in the database, with multiple option like delete, edit and create a subject.
- If the option teachers is selected, a list of teachers with their assigned class from the database will be displayed, with multiple option delete, edit and create a teacher's data.
- If the students is selected a list of students with their plan schedule will be displayed.
- If the option logout is select the admin will be logged out from the application.

Core Concepts:

Hibernate: Hibernate is an object-relational mapping tool(ORM) allowing the mapping of object-oriented models to relational databases for web applications by providing a framework. Mapping of entities in a Java class to tables created in a database and mapping from Java data types to SQL data types is one of the primary functions of Hibernate. You can also inquire or retrieve data using Hibernate. It relieves the developer from manually handling the database.

JSP: JSP technology is used to create web application just like Servlet technology. It can be thought of as an extension to Servlet because it provides more functionality than servlet such as expression language, JSTL, etc.

JSP Scriptlet tag (Scripting elements): In JSP, java code can be written inside the jsp page using the scriptlet tag. Let's see what the scripting elements are first.

JSP Scripting elements: The scripting elements provides the ability to insert java code inside the jsp. There are three types of scripting elements:

- scriptlet tag
- expression tag
- declaration tag

JSP Implicit Objects: There are 9 jsp implicit objects. These objects are created by the web container that are available to all the jsp pages. The available implicit objects are out, request, config, session, application etc.

JSP directives: The jsp directives are messages that tells the web container how to translate a JSP page into the corresponding servlet. There are three types of directives:

- page directive
- include directive
- taglib directive

Exception Handling in JSP: The exception is normally an object that is thrown at runtime. Exception Handling is the process to handle the runtime errors. There may occur exception any time in your web application. So, handling exceptions is a safer side for the web developer.

Conclusion:

In the program an application has been developed with a duration of two sprints. This application makes handling the data of the learner's academy. All the data about the classes, subject, teachers, students and their schedule are maintained. The admin can login through a User ID and password and manipulate the data.

Unique selling points:

- Scheduled timetables for the teachers and students can be maintained easily.
- The data of the subjects, classes, students and teachers can be edited easily.
- High security for the data as the admin only can access the data.
- Searching for any data about classes, subject, students and teachers is made easy.

Learner's Academy Project Code:

/src/main/java folder:

package com.simplilearn.pojos;

```
package com.simplilearn.pojo;  
import javax.persistence.CascadeType;  
import javax.persistence.Column;  
import javax.persistence.Entity;  
import javax.persistence.Id;  
import javax.persistence.JoinColumn;  
import javax.persistence.OneToOne;
```

@Entity

```
public class Classes {
```

@Id

```
private int classId;
```

@Column

```
private String className;
```

@OneToOne(cascade = CascadeType.ALL)

@JoinColumn(name="subId")

```
private Subject sub;
```

@OneToOne(cascade = CascadeType.ALL)

@JoinColumn(name="tId")

```
private Teacher t;
```

```
public int getClassId() {
```

```
return classId;
```

```
}
```

```
public void setClassId(int classId) {
```

```
this.classId = classId;
```

```
}
```

```
public String getClassName() {
```

```
return className;
```

```
}
```

```
public void setClassName(String className) {  
    this.className = className;  
}
```

```
public Subject getSub() {  
    return sub;  
}
```

```
public void setSub(Subject sub) {  
    this.sub = sub;  
}
```

```
public Teacher getT() {  
    return t;  
}
```

```
public void setT(Teacher t) {  
    this.t = t;  
}
```

```
@Override
```

```
public String toString() {  
    return "Classes [classId=" + classId + ", className=" + className + ", sub=" + sub + ", t=" + t +  
    "];"  
}  
}
```

```
package com.simplilearn.pojo;  
import javax.persistence.Column;  
import javax.persistence.Entity;  
import javax.persistence.Id;  
@Entity
```

```
public class Teacher {  
    @Id  
    private int tId;  
    @Column  
    private String tName;  
    private String tDOB;  
    private String tEmail;  
    private String tAddress;  
    private long tPhono;  
    private String tDesignation;  
  
    public int gettId() {  
        return tId;  
    }  
    public void settId(int tId) {  
        this.tId = tId;  
    }  
    public String gettName() {  
        return tName;  
    }  
    public void settName(String tName) {  
        this.tName = tName;  
    }  
    public String gettDOB() {  
        return tDOB;  
    }  
    public void settDOB(String tDOB) {  
        this.tDOB = tDOB;  
    }  
  
    public String gettEmail() {  
        return tEmail;  
    }  
  
    public void settEmail(String tEmail) {  
        this.tEmail = tEmail;  
    }  
}
```

```

public String gettAddress() {
return tAddress;
}
public void settAddress(String tAddress) {
this.tAddress = tAddress;
}
public long gettPhono() {
return tPhono;
}
public void settPhono(long tPhono) {
this.tPhono = tPhono;
}
public String gettDesignation() {
return tDesignation;
}
public void settDesignation(String tDesignation) {
this.tDesignation = tDesignation;
}
@Override
public String toString() {
return "Teacher [tId=" + tId + ", tName=" + tName + ", tDOB=" + tDOB + ", tEmail=" +
tEmail + ", tAddress="
+ tAddress + ", tPhono=" + tPhono + ", tDesignation=" + tDesignation + "]";
}
}

```

```

package com.simplilearn.pojo;
import javax.persistence.Column;
import javax.persistence.Entity;
import javax.persistence.Id;

```

```

@Entity
public class Subject {

```



```
@Id
private int subId;
@Column
private String subName;

public int getSubId() {
    return subId;
}
public void setSubId(int subId) {
    this.subId = subId;
}
public String getSubName() {
    return subName;
}
public void setSubName(String subName) {
    this.subName = subName;
}
@Override
public String toString() {
    return "Subject [subId=" + subId + ", subName=" + subName + "]";
}

}
```

```
package com.simplilearn.pojo;
import javax.persistence.CascadeType;
import javax.persistence.Column;
import javax.persistence.Entity;
import javax.persistence.Id;
import javax.persistence.JoinColumn;
import javax.persistence.OneToOne;
```

```
@Entity
public class Student {

    @Id
    private int studentId;

    @Column
    private String studentName;
    private String studentDOB;
    private String studentEmail;
    private String studentAddress;
    private long studentPhono;
    @OneToOne(cascade = CascadeType.ALL)
    @JoinColumn(name="classId")
    private Classes classes;

    public int getStudentId() {
        return studentId;
    }
}
```

```
public void setStudentId(int studentId) {
    this.studentId = studentId;
}
```

```
public String getStudentName() {
    return studentName;
}
```

```
public void setStudentName(String studentName) {  
    this.studentName = studentName;  
}
```

```
public String getStudentDOB() {  
    return studentDOB;  
}
```

```
public void setStudentDOB(String studentDOB) {  
    this.studentDOB = studentDOB;  
}
```

```
public String getStudentEmail() {  
    return studentEmail;  
}
```

```
public void setStudentEmail(String studentEmail) {  
    this.studentEmail = studentEmail;  
}
```

```
public String getStudentAddress() {  
    return studentAddress;  
}
```

```
public void setStudentAddress(String studentAddress) {  
    this.studentAddress = studentAddress;  
}
```

```
public long getStudentPhono() {  
    return studentPhono;  
}
```

```
public void setStudentPhono(long studentPhono) {
```

```
this.studentPhono = studentPhono;  
}
```

```
public Classes getClasses() {  
    return classes;  
}
```

```
public void setClasses(Classes classes) {  
    this.classes = classes;  
}
```

```
@Override  
public String toString() {  
    return "Student [studentId=" + studentId + ", studentName=" + studentName + ",  
    studentDOB=" + studentDOB  
    + ", studentEmail=" + studentEmail + ", studentAddress=" + studentAddress + ",  
    studentPhono=" + studentPhono + ", classes=" + classes + "];"  
}
```

```
package com.simplilearn.pojo;  
  
import javax.persistence.Entity;  
import javax.persistence.GeneratedValue;  
import javax.persistence.GenerationType;  
import javax.persistence.Id;  
  
@Entity  
public class ReportSubjectNTeacher {  
    @Id  
    @GeneratedValue(strategy = GenerationType.AUTO)  
    private int id;
```

```
private int cid;  
private String className;
```

```
private int subid;  
private String suBName;
```

```
private int tid;  
private String tName;
```

```
public int getId() {  
    return id;  
}  
public void setId(int id) {  
    this.id = id;  
}  
public int getCid() {  
    return cid;  
}  
public void setCid(int cid) {  
    this.cid = cid;  
}
```

```
public String getClassName() {  
    return className;  
}  
public void setClassName(String className) {  
    this.className = className;  
}  
public int getSubid() {  
    return subid;  
}  
public void setSubid(int subid) {  
    this.subid = subid;  
}
```

```

public String getSuBName() {
return suBName;
}
public void setSuBName(String suBName) {
this.suBName = suBName;
}
public int getTid() {
return tid;
}
public void setTid(int tid) {
this.tid = tid;
}
public String gettName() {
return tName;
}
public void settName(String tName) {
this.tName = tName;
} }
}

```

package com.simplilearn.dao:

```

package com.simplilearn.dao;
import java.util.List;
import org.hibernate.Session;
import org.hibernate.SessionFactory;
import org.hibernate.Transaction;
import org.hibernate.boot.Metadata;
import org.hibernate.boot.MetadataSources;
import org.hibernate.boot.registry.StandardServiceRegistry;

```

```

import org.hibernate.boot.registry.StandardServiceRegistryBuilder;
import org.hibernate.query.Query;
import com.simplilearn.pojo.Classes;

public class Classesdao {
    StandardServiceRegistry ssr;
    Metadata md;
    SessionFactory sf;
    Transaction trans;
    Session session;
    int row=0;
    public void hiberUtil()
    {
        try {
            ssr=new StandardServiceRegistryBuilder().configure("hibernate.cfg.xml").build();
            md=new MetadataSources(ssr).getMetadataBuilder().build();
            sf=md.getSessionFactoryBuilder().build();
            session = sf.openSession();
            trans = session.beginTransaction();
        } catch (Exception e) {

            e.printStackTrace();
        }
    }

    //save
    public int insert(Classes c){
        try {
            hiberUtil();
            row = (int) session.save(c);
            closeSession();
        } catch (Exception e) {

            e.printStackTrace();
        }
        return row;
    }
    //display list of classes

```

```
public List<Classes> display(){
hiberUtil();
Query q=session.createQuery("from Classes");
return      q.list();
}
```

```
public Classes getClasse(int id) {
hiberUtil();
Classes c=session.get(Classes.class, id);
closeSession();
return c;
```

```

}
//update
public String update(Classes c) {
hiberUtil();
    session.saveOrUpdate(c);
closeSession();
return "updated";
}
```

```
//delete
public String delete(Classes c) {
hiberUtil();
session.delete(c);
closeSession();
return "deleted";
}
public void closeSession()
{
trans.commit();
session.close();
}
}
```



```
package com.simplilearn.dao;
import java.util.List;
import org.hibernate.Session;
import org.hibernate.SessionFactory;
import org.hibernate.Transaction;
import org.hibernate.boot.Metadata;
import org.hibernate.boot.MetadataSources;
import org.hibernate.boot.registry.StandardServiceRegistry;
import org.hibernate.boot.registry.StandardServiceRegistryBuilder;
import org.hibernate.query.Query;
import com.simplilearn.pojo.Teacher;
public class Teacherdao {
    StandardServiceRegistry ssr;
    Metadata md;
    SessionFactory sf;
    Transaction trans;
    Session session;
    int row=0;
    public void hiberUtil()
    {
        try {
            ssr=new StandardServiceRegistryBuilder().configure("hibernate.cfg.xml").build();
            md=new MetadataSources(ssr).getMetadataBuilder().build();
            sf=md.getSessionFactoryBuilder().build();
```

```

session = sf.openSession();
trans = session.beginTransaction();
} catch (Exception e) {

e.printStackTrace();
}
}

//save
public int insert(Teacher t){

try {
hiberUtil();
// save the student object

row= (int) session.save(t);

// commit transaction
closeSession();

} catch (Exception e) {

e.printStackTrace();
}

return row;
}

//display list
public List<Teacher> display(){
hiberUtil();
Query q=session.createQuery("from Teacher");
return    q.list();
}

```

```
}  
//update  
public String update(Teacher t) {  
    hiberUtil();  
    session.saveOrUpdate(t);  
    closeSession();  
    return "updated";  
}
```

```
//delete  
public String delete(Teacher t) {  
    hiberUtil();  
    session.delete(t);  
    closeSession();  
    return "deleted";  
}  
public void closeSession()  
  
{  
    trans.commit();  
    session.close();  
}  
}
```

```
package com.simplilearn.dao;
import java.util.List;
import org.hibernate.Session;
import org.hibernate.SessionFactory;
import org.hibernate.Transaction;
import org.hibernate.boot.Metadata;
import org.hibernate.boot.MetadataSources;
import org.hibernate.boot.registry.StandardServiceRegistry;
import org.hibernate.boot.registry.StandardServiceRegistryBuilder;
import org.hibernate.query.Query;
import com.simplilearn.pojo.Classes;
import com.simplilearn.pojo.Subject;
public class Subjectdao {
    StandardServiceRegistry ssr;
    Metadata md;
    SessionFactory sf;
    Transaction trans;
    Session session;
    int row=0;
    public void hiberUtil()
    {
```

```

try {
    ssr=new StandardServiceRegistryBuilder().configure("hibernate.cfg.xml").build();
    md=new MetadataSources(ssr).getMetadataBuilder().build();
    sf=md.getSessionFactoryBuilder().build();
    session = sf.openSession();
    trans = session.beginTransaction();
} catch (Exception e) {

    e.printStackTrace();
}
}

```

```

//save
public int insert(Subject sub){
    try {
        hiberUtil();
        // save the student object

        row= (int) session.save(sub);

        // commit transaction
        closeSession();

    } catch (Exception e) {

        e.printStackTrace();
    }
    return row;
}

//display list
public List<Subject> display(){
    hiberUtil();
    Query q=session.createQuery("from Subject");

```

```
return q.list();
}
//update
public String update(Subject sub) {
hiberUtil();
session.saveOrUpdate(sub);
closeSession();
return "updated";
}
//delete
public String delete(Subject sub) {
hiberUtil();
session.delete(sub);
closeSession();
return "deleted"; }
```

```
public void closeSession()
```

```
{
trans.commit();
session.close();
}
}
```

```
package com.simplilearn.dao;
import java.util.List;
import org.hibernate.Session;
import org.hibernate.SessionFactory;
import org.hibernate.Transaction;
import org.hibernate.boot.Metadata;
import org.hibernate.boot.MetadataSources;
import org.hibernate.boot.registry.StandardServiceRegistry;
import org.hibernate.boot.registry.StandardServiceRegistryBuilder;
import org.hibernate.query.Query;
import com.simplilearn.pojo.Classes;
import com.simplilearn.pojo.Student;
public class Studentdao {
    StandardServiceRegistry ssr;
    Metadata md;
    SessionFactory sf;
    Transaction trans;
    Session session;
    int row=0;
    Classes c;
```

```

public void hiberUtil()
{
try {
ssr=new StandardServiceRegistryBuilder().configure("hibernate.cfg.xml").build();
md=new MetadataSources(ssr).getMetadataBuilder().build();
sf=md.getSessionFactoryBuilder().build();
session = sf.openSession();
trans = session.beginTransaction();
} catch (Exception e) {

e.printStackTrace();
}
}

```

```

//save
public int insert(Student student){

try {
hiberUtil();
// save the student object

row= (int) session.save(student);

// commit transaction
closeSession();

} catch (Exception e) {

e.printStackTrace();
}

return row;
}

//display list
public List<Student> display(){

```



```

hiberUtil();
Query q=session.createQuery("from Student");
return    q.list();
}
//update
public String update(Student student) {
hiberUtil();
session.saveOrUpdate(student);
closeSession();
return "updated";
}

```

```

//delete
public String delete(Student student) {
hiberUtil();
session.delete(student);
closeSession();
return "deleted";
}
public    List<Student> getAllData(int id){
hiberUtil();
Query q=session.createQuery("from Student where classId="+id);

return q.list();
}
public void closeSession()

{
trans.commit();
session.close();
}
}

```

```
package com.simplilearn.dao;
import java.util.List;
import org.hibernate.Session;
import org.hibernate.SessionFactory;
import org.hibernate.Transaction;
import org.hibernate.boot.Metadata;
import org.hibernate.boot.MetadataSources;
import org.hibernate.boot.registry.StandardServiceRegistry;
import org.hibernate.boot.registry.StandardServiceRegistryBuilder;
import org.hibernate.query.Query;
import com.simplilearn.pojo.ReportSubjectNTeacher;
public class AssignDao {
    Session session;
    StandardServiceRegistry ssr;
    Metadata md;
    SessionFactory sf;
    Transaction tran ;
    public String insert(ReportSubjectNTeacher cc) {
        hibConn();

        int r = (int) session.save(cc);

        if (r > 0) {
            close();
            return "data inserted";
        }
    }
}
```

```

    } else {
    close();
    return "data not inserted";
    }

}

```

```

public List<ReportSubjectNTeacher> getAllData(int id){
hibConn();
Query q=session.createQuery("from ReportSubjectNTeacher where cid="+id);
return q.list();    }
public String delete(int id) {
hibConn();

System.out.print("id" + id);
ReportSubjectNTeacher myObject = (ReportSubjectNTeacher)
session.load(ReportSubjectNTeacher.class, id);
session.delete(myObject);
session.flush();
close();
return "deleted";
}
public void hibConn() {

    ssr = new StandardServiceRegistryBuilder().configure("hibernate.cfg.xml").build();

    md = new MetadataSources(ssr).getMetadataBuilder().build();
    sf = md.getSessionFactoryBuilder().build();

    session = sf.openSession();

    tran = session.beginTransaction();
}public void close() {
tran.commit();

```

```
session.close();
sf.close();
}}
```

package com.simplilearn.servlet;

```
package com.simplilearn.servlet;
import java.io.IOException;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import com.simplilearn.dao.Classesdao;
import com.simplilearn.dao.AssignDao;
import com.simplilearn.pojo.ReportSubjectNTeacher;
import com.simplilearn.pojo.Classes;

/**
 * Servlet implementation class AssinController
 */
public class AssinController extends HttpServlet {
    private static final long serialVersionUID = 1L;

    /**
     * @see HttpServlet#HttpServlet()
     */
    public AssinController() {
        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.getWriter().append("Served at: ").append(request.getContextPath());
    }
}
```

```
}
```

```
/**
```

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

```
 */
```

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

```
    ReportSubjectNTeacher rp=new ReportSubjectNTeacher();
```

```
    String arr[]=request.getParameter("teacher").split(",");
```

```
    rp.setCid(Integer.parseInt(request.getParameter("cid")));
```

```
    Classesdao vf=new Classesdao();
```

```
    Classes cc=vf.getClasse(Integer.parseInt(request.getParameter("cid")));
```

```
    String name=cc.getClassName();
```

```
    rp.setClassName(name);
```

```
    String arr1[]=request.getParameter("teacher").split(",");
```

```
    rp.settName(arr1[1]);
```

```
    rp.setSubid(0);
```

```
    String arr2[]=request.getParameter("subject").split(",");
```

```
    rp.setSuBName(arr2[1]);
```

```
    rp.setTid(0);
```

```
    AssignDao assignDao=new AssignDao();
```

```
    String s=assignDao.insert(rp);
```

```
    if(s.equalsIgnoreCase("data inserted"))
```

```
    {
```

```
        response.sendRedirect("addsubjectTeacher.jsp");
```

```
    }
```

```
        else{
```

```
            response.sendRedirect("failure.jsp");
```

```
        }
```

```
    }
```

```
}
```

Hibernate.cfg.xml File:

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE hibernate-configuration PUBLIC
"-//Hibernate/Hibernate Configuration DTD 3.0//EN"
"http://www.hibernate.org/dtd/hibernate-configuration-3.0.dtd">
<hibernate-configuration>
  <session-factory>
    <property name="hibernate.connection.driver_class">com.mysql.jdbc.Driver</property>
    <property name="hibernate.connection.url">jdbc:mysql://localhost/demo</property>
    <property name="hibernate.connection.username">root</property>
    <property name="hibernate.connection.password">123456</property>
    <property name="hibernate.dialect">org.hibernate.dialect.MySQL8Dialect</property>
    <property name="hbm2ddl.auto">update</property>
    <property name="show_sql">true</property>
    <mapping class="com.simplilearn.pojo.Student" ></mapping>
    <mapping class="com.simplilearn.pojo.Classes" ></mapping>
    <mapping class="com.simplilearn.pojo.Subject" ></mapping>
    <mapping class="com.simplilearn.pojo.Teacher" ></mapping>
    <mapping class="com.simplilearn.pojo.ReportSubjectNTeacher" ></mapping>
  </session-factory>
</hibernate-configuration>
```

JSP Pages:

Index.jsp:

```
<% @ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"% >
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Login Form</title>
</head>
<body>
<h1>Welcome to Learner's Academy</h1>
<br>
<form action="LoginForm.jsp" method="post">
Username <input type="text" name="username"><br><br>
Password <input type="password" name="password"><br><br>
<input type="submit" value="Login">
</form>
</body>
</html>
```

Home.jsp

```
<% @ page language="java" contentType="text/html; charset=ISO-8859-1 "
    pageEncoding="ISO-8859-1"% >
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<a href="Logout.jsp">Logout</a>
<br>
<h1 >Welcome to Learner's Academy</h1>
<br>
<form action="Class.jsp">
<input type="submit" value="Class">
</form>
<br>
<br>
<form action="Subject.jsp">
<input type="submit" value="Subject">
</form>
<br>
<br>
<form action="Teacher.jsp">
<input type="submit" value="Teacher">
</form>
<br>
<br>
<form action="Student.jsp">
<input type="submit" value="Student">
</form>
</body>
</html>
```


Login Form.jsp

```
<% @ page language="java" contentType="text/html; charset=ISO-8859-1 "
    pageEncoding="ISO-8859-1"% >
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<h1 >Welcome to Learner's Academy</h1><br><br>
<%
String username = request.getParameter("username");
String password = request.getParameter("password");
if(username.isEmpty() || password.isEmpty()||(username.equals(password)))
{
response.sendRedirect("Fail.jsp");
}
else
{
response.sendRedirect("Home.jsp");
}
%>
</body>
</html>
```

Logout.jsp

```
<% @ page language="java" contentType="text/html; charset=ISO-8859-1 "
    pageEncoding="ISO-8859-1"% >
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<%= "Logout Successfully" %>
<br>
<br>
<a href="index.jsp">Log in</a>
</body></html>
```

Fail.jsp

```
<% @ page language="java" contentType="text/html; charset=ISO-8859-1 "
    pageEncoding="ISO-8859-1"% >
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<% @include file="index.jsp" %>
<br>
<% out.println("Check the Credentials"); %>

</body>
</html>
```

Success.jsp

```
<% @ page language="java" contentType="text/html; charset=ISO-8859-1 "
    pageEncoding="ISO-8859-1"% >
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<a href="Home.jsp">Home</a>&nbsp;
<a href="Logout.jsp">Logout</a>
<br>
<br>
<h1>Task done Successfully </h1>
</body>
</html>
```

Failure.jsp

```
<% @ page language="java" contentType="text/html; charset=ISO-8859-1 "
    pageEncoding="ISO-8859-1"% >
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<a href="Home.jsp">Home</a>&nbsp;
<a href="Logout.jsp">Logout</a>
<br>
<br>
<h1>Task Failed</h1>
</body>
</html>
```

Class.jsp

```

<% @ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
    <% @page import="com.simplilearn.dao.Classesdao" %>
    <% @page import="com.simplilearn.pojo.Classes"%>
    <% @page import="java.util.*" %>
    <!DOCTYPE html>
    <html>
    <head>
    <meta charset="ISO-8859-1">
    <title>Insert title here</title>
    </head>
    <body>
    <a href="Home.jsp">Home</a>&nbsp;
    <a href="Logout.jsp">Logout</a>
    <br>
    <br>
    <form action="addclass.jsp">
    <input type="submit" value="Add Class">
    </form>
    <h1><i>List of Classes</i></h1>
    <table border="1">
    <tr><th>Class ID</th><th>Class Name</th><th>Add</th><th>Edit Action</th><th>Delete
    Action</th><th>Class Report</th></tr>
    <%
    Classesdao dao=new Classesdao();
    List<Classes> list=dao.display();
    for(Classes c:list){
    %>
    <tr><td><%=c.getClassId()%></td><td><%=c.getClassName()%></td><td><a
    href="addsubjectTeacher.jsp?cid=<%=c.getClassId()%>">Subjects and Teachers</a></td><td><a
    href="editclass.jsp?cId=<%=c.getClassId()%>">Edit</a></td><td><a
    href="deleteclass.jsp?cId=<%=c.getClassId()%>">Delete</a></td><td><a
    href="classreport.jsp?cid=<%=c.getClassId()%>">View Reports</a></td></tr>
    <% } %></table></body></html>

```

```

<% @ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
    <% @page import="com.simplilearn.dao.Classesdao" %>
    <% @page import="com.simplilearn.pojo.Classes"%>

```

```
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<%
Classesdao dao=new Classesdao();
Classes c=new Classes();

c.setClassId(Integer.parseInt(request.getParameter("cId")));

String s=dao.delete(c);

if(s.equals("deleted"))
{

response.sendRedirect("success.jsp");
}
else{
response.sendRedirect("failure.jsp");
}
%>
</body>
</html>
```

```
<% @ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
    <% @page import="com.simplilearn.dao.Classesdao" %>
    <% @page import="com.simplilearn.pojo.Classes"%>
<!DOCTYPE html>
```

```

<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<a href="Home.jsp">Home</a>&nbsp;
<a href="Logout.jsp">Logout</a>
<br>
<br>
<%
Classesdao dao=new Classesdao();
Classes c=new Classes();

c.setClassId(Integer.parseInt(request.getParameter("classId")));
c.setClassName(request.getParameter("className"));

int row=dao.insert(c);

if(row>0){
response.sendRedirect("success.jsp");
}
else{
response.sendRedirect("failure.jsp");
}
%>
</body>
</html>

```

```

<% @ page language="java" contentType="text/html; charset=ISO-8859-1 "
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>

```

```
<body>
<a href="Home.jsp">Home</a>&nbsp;
<a href="Logout.jsp">Logout</a>
<br>
<br>
<h1><i>Edit the Class</i></h1>
<form action="editclassController.jsp" method="post">
<input type="hidden" name="cId" value=<%=request.getParameter("cId") %>>
Class Name <input type="text" name="className">
<input type="submit" value="Edit">
</form>
</body>
</html>
```

```
<% @ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<% @page import="com.simplilearn.dao.Classesdao" %>
<% @page import="com.simplilearn.pojo.Classes"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
```

```

</head>
<body>
<%
Classesdao dao=new Classesdao();
Classes c=new Classes();

c.setClassId(Integer.parseInt(request.getParameter("cId")));
c.setClassName(request.getParameter("className"));

String s=dao.update(c);

if(s!=null){
response.sendRedirect("success.jsp");
}
else{
response.sendRedirect("failure.jsp");
}
%>

</body>
</html>

```

```

<% @ page language="java" contentType="text/html; charset=ISO-8859-1 "
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<a href="Home.jsp">Home</a>&nbsp;

```



```
<a href="Logout.jsp">Logout</a>
<br>
<br>
<h1><i>Delete the Class</i></h1>
<form action="deleteclassController.jsp" method="post">
<input type="hidden" name="cId" value=<%=request.getParameter("cId") %>>
<input type="submit" value="Delete">
</form></body></html>
```

```
<% @ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"% >
    <% @page import="com.simplilearn.dao.Classesdao" %>
    <% @page import="com.simplilearn.pojo.Classes"% >

<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
```

```

<title>Insert title here</title>
</head>
<body>
<%
Classesdao dao=new Classesdao();
Classes c=new Classes();

c.setClassId(Integer.parseInt(request.getParameter("cId")));

String s=dao.delete(c);

if(s.equals("deleted"))
{

response.sendRedirect("success.jsp");
}
else{
response.sendRedirect("failure.jsp");
}
%>
</body>
</html>

```

Teacher.jsp

```

<% @ page language="java" contentType="text/html; charset=ISO-8859-1 "
    pageEncoding="ISO-8859-1"% >
    <% @page import="com.simplilearn.dao.Teacherdao" %>
    <% @page import="com.simplilearn.pojo.Teacher"%>
    <% @page import="java.util.*" %>
    <!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">

```

```

<title>Insert title here</title>
</head>
<body>
<a href="Home.jsp">Home</a>&nbsp;
<a href="Logout.jsp">Logout</a>
<br>
<br>
<form action="addteacher.jsp" method="post">
<input type="submit" value="Add Teacher">
</form>
<h1><i>List of Teacher</i></h1>
<table border="1">
<tr><th>Teacher ID</th><th>Teacher Name</th><th>Teacher DOB</th><th>Teacher
Email</th><th>Teacher Address</th><th>Teacher Phono</th><th>Designation</th><th>Edit
Action</th><th>Delete Action</th></tr><%
Teacherdao dao=new Teacherdao();
List<Teacher> list=dao.display();
for(Teacher t:list){
%><tr><td><%=t.getId()%></td><td><%=t.getName()%></td><td><%=t.getDOB()%></td><
td><%=t.getEmail()%></td><td><%=t.getAddress()%></td><td><%=t.getPhono()%></td><td>
<%=t.getDesignation()%></td><td><a
href="editteacher.jsp?tid=<%=t.getId()%>">Edit</a></td><td><a
href="deleteteacher.jsp?tid=<%=t.getId()%>">Delete</a></td></tr>
<% } %>
</table>
</body>
</html>

```

```

<% @ page language="java" contentType="text/html; charset=ISO-8859-1 "
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>

```

```

</head>
<body>
<a href="Home.jsp">Home</a>&nbsp;
<a href="Logout.jsp">Logout</a>
<br>
<br>
<h1><i>Add a Teacher</i></h1>
<form action="addteacherController.jsp" method="post">
<table>
<tr><td>TeacherId</td><td><input type="text" name="tId"></td></tr>
<tr><td>TeacherName</td><td><input type="text" name="tName"></td></tr>
<tr><td>TeacherDOB</td><td><input type="text" name="tDOB"></td></tr>
<tr><td>TeacherEmail</td><td><input type="email" name="tEmail"></td></tr>
<tr><td>TeacherAddress</td><td><input type="text" name="tAddress"></td></tr>
<tr><td>TeacherPhono</td><td><input type="text" name="tPhono"></td></tr>
<tr><td>TeacherDesignation</td><td><input type="text" name="tDesignation"></td></tr>
<tr><td><input type="submit" value="Save"></td></tr>
</table>
</form>
</body>
</html>

```

```

<% @ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"% >

```

```

<% @page import="com.simplilearn.dao.Teacherdao" %>
<% @page import="com.simplilearn.pojo.Teacher"%>

```

```

<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<a href="Home.jsp">Home</a>&nbsp;
<a href="Logout.jsp">Logout</a>
<br>
<br>
<%
Teacherdao dao=new Teacherdao();
Teacher t=new Teacher();
t.settId(Integer.parseInt(request.getParameter("tId")));
t.settName(request.getParameter("tName"));
t.settDOB(request.getParameter("tDOB"));
t.settEmail(request.getParameter("tEmail"));
t.settAddress(request.getParameter("tAddress"));
t.settPhono(Long.parseLong(request.getParameter("tPhono")));
t.settDesignation(request.getParameter("tDesignation"));
int row=dao.insert(t);
if(row>0){
response.sendRedirect("success.jsp");
}
else{
response.sendRedirect("failure.jsp");
}%>
</body>
</html>

```

```

<% @ page language="java" contentType="text/html; charset=ISO-8859-1 "
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>

```

```
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<body>
<a href="Home.jsp">Home</a>&nbsp;
<a href="Logout.jsp">Logout</a>
<br>
<br>
<h1><i>Edit the Teacher</i></h1>
<form action="editteacherController.jsp" method="post">
<input type="hidden" name="tId" value=<%=request.getParameter("tId") %>>
```

```
Teacher Name <input type="text" name="tName">
<br>
<br>
Teacher DOB <input type="text" name="tDOB">
<br>
<br>
Teacher Email <input type="email" name="tEmail">
<br>
<br>
Teacher Address <input type="text" name="tAddress">
<br>
<br>
```

```
Teacher Phono <input type="text" name="tPhono">
<br>
<br>
Designation <input type="text" name="tDesignation">
<input type="submit" value="Edit">
</form>
</body>
</html>
```

```

<% @ page language="java" contentType="text/html; charset=ISO-8859-1 "
    pageEncoding="ISO-8859-1"% >
    <% @page import="com.simplilearn.dao.Teacherdao" %>
    <% @page import="com.simplilearn.pojo.Teacher"% >
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<%
Teacherdao dao=new Teacherdao();
Teacher t=new Teacher();
t.settId(Integer.parseInt(request.getParameter("tId")));
t.settName(request.getParameter("tName"));
t.settDOB(request.getParameter("tDOB"));
t.settEmail(request.getParameter("tEmail"));
t.settAddress(request.getParameter("tAddress"));
t.settPhono(Long.parseLong(request.getParameter("tPhono")));
t.settDesignation(request.getParameter("tDesignation"));
int row=dao.insert(t);
if(row>0){
response.sendRedirect("success.jsp");
}
else{
response.sendRedirect("failure.jsp");
}%></body></html>

```

```

<% @ page language="java" contentType="text/html; charset=ISO-8859-1 "
    pageEncoding="ISO-8859-1"% >
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>

```

```

<a href="Home.jsp">Home</a>&nbsp;
<a href="Logout.jsp">Logout</a>
<br><br>
<h1><i>Delete the Teacher</i></h1>
<form action="deleteteacherController.jsp" method="post">
<input type="hidden" name="tId" value=<% =request.getParameter("tId") %>>
<input type="submit" value="Delete">
</form></body></html>
<% @ page language="java" contentType="text/html; charset=ISO-8859-1 "
    pageEncoding="ISO-8859-1"%>
    <% @page import="com.simplilearn.dao.Teacherdao" %>
    <% @page import="com.simplilearn.pojo.Teacher"%>
    <!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<% Teacherdao dao=new Teacherdao();
Teacher t=new Teacher();
t.settId(Integer.parseInt(request.getParameter("tId")));
String s=dao.delete(t);
if(s.equals("deleted"))
{response.sendRedirect("success.jsp");
}
else{response.sendRedirect("failure.jsp");}%></body></html>

```

Subject.jsp:

```

<% @ page language="java" contentType="text/html; charset=ISO-8859-1 "
    pageEncoding="ISO-8859-1"%>
    <% @page import="com.simplilearn.dao.Subjectdao" %>
    <% @page import="com.simplilearn.pojo.Subject"%>
    <% @page import="java.util.*" %>
<!DOCTYPE html>
<html>
<head>

```



```

<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<a href="Home.jsp">Home</a>&nbsp;
<a href="Logout.jsp">Logout</a>
<br><br>
<form action="addsubject.jsp">
<input type="submit" value="Add Subject">
</form>
<h1><i>List of Subjects</i></h1>
<table border="1">
<tr><th>Subject ID</th><th>Subject Name</th><th>Edit Action</th><th>Delete
Action</th></tr></tr>
<% Subjectdao dao=new Subjectdao();
List<Subject> list=dao.display();
for(Subject sub:list){ %>
<tr><td><%=sub.getSubId()%></td><td><%=sub.getSubName()%></td><td><a
href="editsubject.jsp?subId=<%=sub.getSubId()%>">Edit</a></td><td><a
href="deletesubject.jsp?subId=<%=sub.getSubId()%>">Delete</a></td></tr>
<% } %>
</table></body></html>

```

```

<% @ page language="java" contentType="text/html; charset=ISO-8859-1 "
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>

```

```

<a href="Home.jsp">Home</a>&nbsp;
<a href="Logout.jsp">Logout</a>
<br><br>
<h1><i>Add Subject</i></h1>
<form action="addsubjectController.jsp">
<table>
<tr><td>SubjectId</td><td><input type="text" name="subId"></td></tr>
<tr><td>SubjectName</td><td><input type="text" name="subName"></td></tr>
<tr><td><input type="submit" value="Save"></td></tr>
</table></form></body></html>

```

```

<% @ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
    <% @page import="com.simplilearn.dao.Subjectdao" %>
    <% @page import="com.simplilearn.pojo.Subject"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<a href="Home.jsp">Home</a>&nbsp;

```

```

<a href="Logout.jsp">Logout</a>
<br><br>
<% Subjectdao dao=new Subjectdao();
Subject sub=new Subject();
sub.setSubId(Integer.parseInt(request.getParameter("subId")));
sub.setSubName(request.getParameter("subName"));
int row=dao.insert(sub);
if(row>0){ response.sendRedirect("success.jsp");
}
else{response.sendRedirect("failure.jsp");
}%>
</body></html>

```

```

<% @ page language="java" contentType="text/html; charset=ISO-8859-1 "
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<a href="Home.jsp">Home</a>&nbsp;
<a href="Logout.jsp">Logout</a>
<br><br>
<h1><i>Delete the Subject</i></h1>
<form action="deletesubjectController.jsp" method="post">
<input type="hidden" name="subId" value=<%=request.getParameter("subId") %>>
<input type="submit" value="Delete">
</form></body></html>
<% @ page language="java" contentType="text/html; charset=ISO-8859-1 "

```

```

    pageEncoding="ISO-8859-1"%>
    <% @page import="com.simplilearn.dao.Subjectdao" %>
    <% @page import="com.simplilearn.pojo.Subject"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<% Subjectdao dao=new Subjectdao();
Subject sub=new Subject();
sub.setSubId(Integer.parseInt(request.getParameter("subId")));
String s=dao.delete(sub);
if(s.equals("deleted"))
{response.sendRedirect("success.jsp");
}else{response.sendRedirect("failure.jsp");
}%></body></html>

```

```

<% @ page language="java" contentType="text/html; charset=ISO-8859-1 "
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<a href="Home.jsp">Home</a>&nbsp;
<a href="Logout.jsp">Logout</a>
<br><br>
<h1><i>Edit the Subject</i></h1>
<form action="editsubjectController.jsp" method="post">
<input type="hidden" name="subId" value=<%=request.getParameter("subId") %>>
Subject Name <input type="text" name="subjectName">
<input type="submit" value="Edit"></form></body></html>
<% @ page language="java" contentType="text/html; charset=ISO-8859-1 "
    pageEncoding="ISO-8859-1"%>

```

```

    <% @page import="com.simplilearn.dao.Subjectdao" %>
    <% @page import="com.simplilearn.pojo.Subject"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<% Subjectdao dao=new Subjectdao();
Subject sub=new Subject();
sub.setSubId(Integer.parseInt(request.getParameter("subId")));
sub.setSubName(request.getParameter("subName"));
String s=dao.update(sub);
if(s!=null){response.sendRedirect("success.jsp");
}else{response.sendRedirect("failure.jsp");
}%></body></html>

```

Student.jsp:

```

<% @ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<% @page import="com.simplilearn.dao.Studentdao" %>
<% @page import="com.simplilearn.pojo.Student"%>
<% @page import="java.util.*" %>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<a href="Home.jsp">Home</a>&nbsp;
<a href="Logout.jsp">Logout</a>
<br><br>
<form action="addstudent.jsp">
<input type="submit" value="Add Student">
</form>

```

```
<h1><i>List of Student</i></h1>
```

```
<table border="1">
```

```
<tr><th>Student ID</th><th>Student Name</th><th>Student DOB</th><th>Student  
Email</th><th>Student Address</th><th>Student Phono</th><th>Classes</th><th>Edit  
Action</th><th>Delete Action</th></tr>
```

```
<%
```

```
Studentdao dao=new Studentdao();
```

```
List<Student> list=dao.display();
```

```
for(Student s:list){
```

```
%><tr><td><%=s.getId()%></td><td><%=s.getName()%></td><td><%=s.getStu  
dentDOB()%></td><td><%=s.getEmail()%></td><td><%=s.getAddress()%></td>  
><td><%=s.getPhono()%></td><td><%=s.getClasses().getClassName()%></td><td><a  
href="editstudent.jsp?sid=<%=s.getId()%>">Edit</a></td><td><a  
href="deletestudent.jsp?sid=<%=s.getId()%>">Delete</a></td></tr>
```

```
<% } %>
```

```
</table></body></html>
```

```
<% @page import="com.simplilearn.dao.Classesdao" %>
<% @page import="java.util.*" %>
<% @page import="com.simplilearn.pojo.Classes"%>
<% @ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<a href="Home.jsp">Home</a>&nbsp;
<a href="Logout.jsp">Logout</a>
<br><br>
<h1><i>Add a Student</i></h1>
```

```

<form action="addstudentController.jsp">
<table>
<tr><td>StudentId</td><td><input type="text" name="studentid"></td></tr>
<tr><td>StudentName</td><td><input type="text" name="studentName"></td></tr>
<tr><td>StudentDOB</td><td><input type="text" name="studentDOB"></td></tr>
<tr><td>StudentEmail</td><td><input type="email" name="studentEmail"></td></tr>
<tr><td>StudentAddress</td><td><input type="text" name="studentAddress"></td></tr>
<tr><td>StudentPhono</td><td><input type="text" name="studentPhono"></td></tr>
<tr><td>Student Class
<% Classesdao dao=new Classesdao();
List<Classes> list=dao.display();%>
<select name="Class">
<option>Select an option</option><%
for(Classes c:list){
%>
<option
value="<%=c.getClassId()+","+c.getClassName()%">"><%=c.getClassName()%"></option><%
}%>
</select></td></tr><tr><td><input type="submit"
value="Save"></td></tr></table></form></body></html>

```



```
<% @ page language="java" contentType="text/html; charset=ISO-8859-1 "
    pageEncoding="ISO-8859-1"%>
    <% @page import="com.simplilearn.dao.Studentdao" %>
    <% @page import="com.simplilearn.pojo.Student"%>
    <% @page import="com.simplilearn.pojo.Classes"%>
    <!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<a href="Home.jsp">Home</a>&nbsp;
<a href="Logout.jsp">Logout</a>
<br><br>
<%
Studentdao dao=new Studentdao();
Student student=new Student();
student.setStudentId(Integer.parseInt(request.getParameter("studentid")));
student.setStudentName(request.getParameter("studentName"));
student.setStudentDOB(request.getParameter("studentDOB"));
student.setStudentEmail(request.getParameter("studentEmail"));
student.setStudentAddress(request.getParameter("studentAddress"));
student.setStudentPhono(Long.parseLong(request.getParameter("studentPhono")));
```

```

String ss=request.getParameter("Class");
String[]a=ss.split(",");
Classes c=new Classes();
c.setClassId(Integer.parseInt(a[0]));
c.setClassName(a[1]);
student.setClasses(c);
int row=dao.insert(student);
if(row>0){response.sendRedirect("success.jsp");
}else{
response.sendRedirect("failure.jsp");
}%></body></html>

```

```

<% @ page language="java" contentType="text/html; charset=ISO-8859-1 "
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<a href="Home.jsp">Home</a>&nbsp;
<a href="Logout.jsp">Logout</a>
<br><br>
<h1><i>Delete the Student</i></h1>
<form action="deletestudentController.jsp" method="post">
<input type="hidden" name="sid" value=<%=request.getParameter("sid") %>>
<input type="submit" value="Delete">
</form></body></html>
<% @ page language="java" contentType="text/html; charset=ISO-8859-1 "
    pageEncoding="ISO-8859-1"%>
    <% @page import="com.simplilearn.dao.Studentdao" %>
    <% @page import="com.simplilearn.pojo.Student"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>

```

```

</head>
<body><%
Studentdao dao=new Studentdao();
Student student=new Student();
student.setStudentId(Integer.parseInt(request.getParameter("sid")));
String s=dao.delete(student);
if(s.equals("deleted"))
{response.sendRedirect("success.jsp");
}else{response.sendRedirect("failure.jsp");
}%>
</body></html>

```

```

<% @ page language="java" contentType="text/html; charset=ISO-8859-1 "
    pageEncoding="ISO-8859-1"%>
<% @page import="com.simplilearn.dao.Classesdao" %>
<% @page import="java.util.*" %>
<% @page import="com.simplilearn.pojo.Classes"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<a href="Home.jsp">Home</a>&nbsp;
<a href="Logout.jsp">Logout</a>
<br><br>
<h1><i>Edit the Student</i></h1>
<form action="editstudentController.jsp" method="post">
<input type="hidden" name="sid" value=<%=request.getParameter("sid") %>>
Student Name <input type="text" name="studentName">
<br><br>
Student DOB <input type="text" name="studentDOB">
<br><br>
Student Email <input type="email" name="studentEmail">
<br><br>
Student Address <input type="text" name="studentAddress">
<br><br>
Student Phono <input type="text" name="studentPhono">

```

```

<br><br>
<tr><td>Student Class
<% Classesdao dao=new Classesdao();
List<Classes> list=dao.display();%>
<select name="Class">
<option>Select an option</option>
<% for(Classes    c:list){ %>
<option
value="<%=c.getClassId()+","+c.getClassName()%>"><%=c.getClassName()%></option><%
}%>
</select></td></tr>
<input type="submit" value="Edit"></body></html>

```

```

<% @ page language="java" contentType="text/html; charset=ISO-8859-1 "
    pageEncoding="ISO-8859-1"%>
<% @page import="com.simplilearn.dao.Studentdao" %>
<% @page import="com.simplilearn.pojo.Student"%>
<% @page import="com.simplilearn.pojo.Classes"%>
<!DOCTYPE html>
<html>
<head>

```

```
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body><%
Studentdao dao=new Studentdao();
Student student=new Student();
student.setStudentId(Integer.parseInt(request.getParameter("sid")));
student.setStudentName(request.getParameter("studentName"));
student.setStudentDOB(request.getParameter("studentDOB"));
student.setStudentEmail(request.getParameter("studentEmail"));
student.setStudentAddress(request.getParameter("studentAddress"));
student.setStudentPhono(Long.parseLong(request.getParameter("studentPhono")));
String ss=request.getParameter("Class");
String[]a=ss.split(",");
Classes c=new Classes();
c.setClassId(Integer.parseInt(a[0]));
c.setClassName(a[1]);
student.setClasses(c);
String s=dao.update(student);
if(s!=null){response.sendRedirect("success.jsp");
}else{response.sendRedirect("failure.jsp");
}%>
</body></html>
```

AddsubjectTeacher.jsp:

```
<% @ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"% >
    <% @page import="com.simplilearn.dao.AssignDao"% >
    <% @page import="com.simplilearn.pojo.ReportSubjectNTeacher"% >
    <% @page import="com.simplilearn.pojo.Teacher"% >
    <% @page import="com.simplilearn.dao.Teacherdao"% >
    <% @page import="com.simplilearn.pojo.Subject"% >
    <% @page import="com.simplilearn.dao.Subjectdao"% >
    <% @page import="com.simplilearn.pojo.Classes"% >
    <% @page import="java.util.ArrayList"% >
    <% @page import="java.util.List"% >
    <% @page import="com.simplilearn.dao.Classesdao"% >
    <!DOCTYPE html>
    <html>
    <head>
    <meta charset="ISO-8859-1">
    <title>Insert title here</title>
    </head>
    <body>
    <a href="Home.jsp">Home</a>&nbsp;
    <a href="Logout.jsp">Logout</a>
    <br>
    <br>
    <% int sc=Integer.parseInt(request.getParameter("cid"));
```

```

Classesdao vf=new Classesdao();
Classes cc= vf.getClasse(sc);
String name=cc.getClassName();
%>
<h2>Assign Teacher and Subject for <b><%=name%></b></h2>

```

```

<form action="AssinController" method="post">
<table border="1">
<tr><td><input type="hidden" name="cid" value=<%=request.getParameter("cid") %>>
Select Teacher
<%
Teacherdao dao1=new Teacherdao();
List<Teacher> list1=dao1.display();%>
<select name="teacher">
<option>Select an option</option>
<%
for(Teachert:list1){
%>
<option value="<%=t.getId()+","+t.getName()%>"><%=t.getName()%></option>
<% }%>
</select></td></tr>
<tr><td>Select Subject
<%
Subjectdao dao=new Subjectdao();
List<Subject> list=dao.display();%>
<select name="subject">
<option>Select an option</option>
<%
for(Subjectsub:list){
%>

```

```

<option
value="<%=sub.getSubId()+","+sub.getSubName()%>"><%=sub.getSubName()%></option>

<% }%>
</select>
<br>
<br>
<input type="submit" value="Assign"></td></tr>
</table></form>

```

```

<%
AssignDao Dao = new AssignDao();
ArrayList<ReportSubjectNTeacher> arr1 = (ArrayList<ReportSubjectNTeacher>)
Dao.getAllData(sc);
%>
<br>
<br>

```

```

<table border="1">
<tr>
<th>ID</th>
<th>Class Name</th>
<th>Subject Name</th>
<th>Teacher Name</th>

```

```

</tr>
<%
for (ReportSubjectNTeacher cc1 : arr1) {
%>

<tr>
<td><%=cc1.getId()%></td>
<td><%=cc1.getClassName()%>

```



```
<td><%=cc1.getSuBName()%></td>
```

```
<td><%=cc1.gettName()%></td>
```

```
</tr>
```

```
<%
```

```
}
```

```
%>
```

```
</table>
```

```
</body>
```

```
</html>
```

package com.simplilearn.servlet;

```
package com.simplilearn.servlet;
```

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

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

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

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

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

```
import com.simplilearn.dao.Classesdao;
```

```
import com.simplilearn.dao.AssignDao;
```

```
import com.simplilearn.pojo.ReportSubjectNTeacher;
```

```
import com.simplilearn.pojo.Classes;
```

```
public class AssinController extends HttpServlet {
```

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

```
public AssinController() {
```

```
    super();
```

```
}
```

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

```
    ReportSubjectNTeacher rp=new ReportSubjectNTeacher();  
    String arr[]=request.getParameter("teacher").split(",");  
    rp.setCid(Integer.parseInt(request.getParameter("cid")));  
    Classesdao vf=new Classesdao();  
    Classes cc=vf.getClasse(Integer.parseInt(request.getParameter("cid")));  
    String name=cc.getClassName();  
    rp.setClassName(name);  
    String arr1[]=request.getParameter("teacher").split(",");  
    rp.settName(arr1[1]);  
    rp.setSubid(0);
```

```
  
    String arr2[]=request.getParameter("subject").split(",");  
    rp.setSuBName(arr2[1]);  
    rp.setTid(0);  
    AssignDao assignDao=new AssignDao();  
    String s=assignDao.insert(rp);  
    if(s.equalsIgnoreCase("data inserted"))  
    {  
        response.sendRedirect("addsubjectTeacher.jsp");  
    }  
  
    else{  
        response.sendRedirect("failure.jsp");  
    }  
}  
}
```

ClassReport.jsp:

```
<% @ page language="java" contentType="text/html; charset=ISO-8859-1 "
    pageEncoding="ISO-8859-1"%>
    <% @page import="com.simplilearn.pojo.ReportSubjectNTeacher"%>
    <% @page import="java.util.ArrayList"%>
    <% @page import="com.simplilearn.dao.AssignDao"%>
    <% @page import="com.simplilearn.pojo.Classes"%>
    <% @page import="com.simplilearn.dao.Classesdao"%>
    <% @page import="com.simplilearn.dao.Studentdao" %>
    <% @page import="com.simplilearn.pojo.Student"%>
    <% @page import="java.util.*" %>
    <!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<% int sc=Integer.parseInt(request.getParameter("cid"));

Classesdao vf=new Classesdao();
Classes cc= vf.getClasse(sc);
String name=cc.getClassName();
%>
<h2>Class Report for <b><%=name%></b></h2>

<%
AssignDao Dao = new AssignDao();
ArrayList<ReportSubjectNTeacher> arr1 =(ArrayList<ReportSubjectNTeacher>)
Dao.getAllData(sc);
%>
<br>
<br>
<table border="1">
<tr><th>ID</th><th>Class Name</th><th>Subject Name</th><th>Teacher Name</th></tr>
```

```

<%
for (ReportSubjectNTeacher cc1 : arr1) {
%>

<tr><td><%=cc1.getId()%></td><td><%=cc1.getClassName()%><td><%=cc1.getSuBName()%
></td><td><%=cc1.getName()%></td></tr>

<%
}
%>
</table>
<h1>Student List</h1>
<table border="1">

<tr><th>Class ID</th><th>Class Name</th><th>Student ID</th><th>Student
Name</th><th>Student DOB</th><th>Student Email</th><th>Student Address</th><th>Student
Phono</th>
<%
Studentdao dao=new Studentdao();
List<Student> list=dao.getAllData(sc);
for(Student s:list){
%>
<tr><td><%=sc%></td><td><%=s.getClasses().getClassName()%></td><td><%=s.getStudentId(
)%></td><td><%=s.getStudentName()%></td><td><%=s.getStudentDOB()%></td><td><%=s.g
etStudentEmail()%></td><td><%=s.getStudentAddress()%></td><td><%=s.getStudentPhono()%
></td></tr>

<% } %>
</table>
</body>
</html>

```