

FSD FINAL Back End Project

Learner's Academy

Source Code

Project Guide:- Simplilearn Team

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Servlets

```
ckage com.Servlet;
```

```
import java.io.IOException; import
java.io.PrintWriter; import
java.sql.Connection; import
java.sql.DriverManager; import
java.sql.PreparedStatement; import
java.sql.ResultSet; import
java.sql.SQLException;
```

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

```
/**
```

```
* Servlet implementation class LoginServlet
```

```
*/
```

```
@WebServlet("/Login") public class
LoginServlet extends HttpServlet {
```

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

pa

```
String url="jdbc:mysql://localhost:3306/admin_management";
String dbUsername= "root";
String dbPassword= "root";
PrintWriter out= response.getWriter();

try {
    //declaring Driver Class and connecting to database
    Class.forName("com.mysql.cj.jdbc.Driver");
    Connection
connection=DriverManager.getConnection(url,dbUsername,dbPassword);

    //calling parameters from html table
    String username= request.getParameter("username");
    String password= request.getParameter("password");
    if(connection!=null) {
        PreparedStatement preparedStatement=connection.prepareStatement
            ("select username from login where username=? and
ssword=?"); preparedStatement.setString(1, username);
        preparedStatement.setString(2, password);
        ResultSet
rs=preparedStatement.executeQuery();
        out.print("Running at servlet");

        if(rs.next()) {
            RequestDispatcher
rd=request.getRequestDispatcher("dashboard.jsp");
            rd.forward(request, response);
            out.print("Redirecting done");
            System.out.println("Redirecting to Dashboard");

        }else {
            System.out.println("Try Again");
            RequestDispatcher
rd=request.getRequestDispatcher("index.html");
            rd.forward(request, response);
            out.print("Redirecting error");

            //System.out.println(student.getId());
        }
    }
}
```

pa

```
        }
        HttpSession session = request.getSession();
        session.setAttribute("username", request.getParameter("password"));
    }
} catch (ClassNotFoundException e) { //
    TODO Auto-generated catch block
    e.printStackTrace(); } catch (SQLException
e) {
    // TODO Auto-generated catch block
    e.printStackTrace();
}

    }
}
package com.Servlet;

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

import org.hibernate.Session; import
org.hibernate.SessionFactory; import
org.hibernate.Transaction;

import Entities.Classes; import
Entities.Main_Dashboard; import
Entities.Subject; import
Entities.Teachers; import
Hibernate.HibernateUtil;

/**
 * Servlet implementation class Master
 */
@WebServlet("/Master") public class
Master extends HttpServlet { private
Session session;

    public Master() {
        super();
```

pa

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

protected void doPost(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {
    try {
        SessionFactory sessionFactory= HibernateUtil.getSessinFactory();
        session=sessionFactory.openSession();
        Transaction tx= session.beginTransaction();
        System.out.println("dashboard in"); int
        classId=Integer.parseInt(request.getParameter("masterClass")); int
        subjectId=Integer.parseInt(request.getParameter("masterSubject")); int
        teacherId=Integer.parseInt(request.getParameter("masterTeacher"));

        //String className= request.getParameter("masterClass");
```

```

        //String subName= request.getParameter("masterSubject");
        //String teachersName= request.getParameter("masterTeacher");

        Classes classes=new Classes();
        classes.setld(classld);

        Subject subject=new Subject();
        subject.setld(subjectld);

        Teachers teachers=new Teachers();
        teachers.setld(teacherld);

        Main_Dashboard main_Dashboard= new Main_Dashboard(classes,
subject,teachers);

        session.save(main_Dashboard)
        ; tx.commit(); session.close();
        response.sendRedirect("dashboard.jsp");
        tx.rollback();

    } catch (Exception e) {
        // TODO: handle exception
    }
}
}
}

```

```

package com.Servlet;

```

```

import java.io.IOException; import
java.net.http.HttpClient.Redirect; import
java.sql.SQLException; import
java.util.List;

```

```

import javax.servlet.RequestDispatcher;
import javax.servlet.ServletException;

```

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

```
import org.hibernate.Session; import org.hibernate.SessionFactory; import
org.hibernate.Transaction; import
org.hibernate.boot.model.naming.CamelCaseToUnderscoresNamingStrategy;
```

```
import Entities.Classes; import
Entities.Student; import Entities.Subject;
import Entities.Teachers; import
Hibernate.HibernateUtil; import
jakarta.transaction.RollbackException;
```

```
/**
```

```
 * Servlet implementation class Operations
```

```
 */
```

```
@WebServlet("/Operations")
```

```
public class Operations extends HttpServlet {
    private Session session;
```

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

```
            SessionFactory sessionFactory= HibernateUtil.getSessinFactory();
            session=sessionFactory.openSession();
            Transaction tx= session.beginTransaction();
```

```
            System.out.println("coming");
```

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

```
            String subName= request.getParameter("subjectName");
```

```
            String teachersName= request.getParameter("teachersName");
```

```
            // int subjectId=Integer.parseInt(request.getParameter("id").trim());
            System.out.println("coming");
```

```
            if (subName!=null) {
```

```
                Subject subject= new Subject(subName);
                session.save(subject);
```

```

        tx.commit(); session.close();
        response.sendRedirect("list.jsp")
        ; tx.rollback();

    }else if (className!=null) {
        Classes classes = new Classes(className);

        session.save(classes); tx.commit();
        session.close();
        response.sendRedirect("classlist.jsp")
        ; tx.rollback();

    }else if (teachersName!=null) {
        Teachers teachers=new
        Teachers(teachersName);
        session.save(teachers); tx.commit();
        session.close();
        response.sendRedirect("teacherslist.jsp");
        tx.rollback();
    }
    else
    {
        RequestDispatcher
rd=request.getRequestDispatcher("dashboard.jsp");
        rd.forward(request, response);
        tx.rollback();
    }
}

```

e

```
        } catch (Exception e) {
            e.printStackTrace();
        }
    }
}
```

```
package com.Servlet;
```

```
import java.io.IOException; import
javax.servlet.ServletException; import
javax.servlet.annotation.WebServlet; import
javax.servlet.http.HttpServlet; import
javax.servlet.http.HttpServletRequest; import
javax.servlet.http.HttpServletResponse;
```

```
import org.hibernate.Session; import
org.hibernate.SessionFactory; import
org.hibernate.Transaction;
```

```
import Entities.Classes; import
Entities.Student; import
Hibernate.HibernateUtil;
```

```
/**
```

```
 * Servlet implementation class AddStudent
```

```
 */
```

```
@WebServlet("/AddStudent") public class
AddStudent extends HttpServlet {
```

```
    private Session session; protected void doPost(HttpServletRequest request,
    HttpServletResponse response)
throws ServletException, IOException {
    // TODO Auto-generated method stub
    try {
        SessionFactory sessionFactory=
        HibernateUtil.getSessionFactory();
```


e

```
session=sessionFactory.openSession(); Transaction tx=
session.beginTransaction();
String fName= request.getParameter("fName");
String lName= request.getParameter("lName");
String gender= request.getParameter("gender");
int studentClass= Integer.parseInt(request.getParameter("studentClassID"));
```

```
Classes classes=new Classes();
classes.setlId(studentClass);
Student student= new Student(fName, lName,gender,classes);
```

```
session.save(student);
tx.commit();
session.close();
response.sendRedirect("studentlist.jsp");
```

```
}catch (Exception e) {
    e.printStackTrace();
}
```

```
}
```

```
}
```

```
package com.Servlet;
```

```
import java.io.IOException; import
javax.servlet.ServletException; import
javax.servlet.annotation.WebServlet; import
javax.servlet.http.HttpServlet; import
javax.servlet.http.HttpServletRequest; import
javax.servlet.http.HttpServletResponse;
```

```
import org.hibernate.Session; import
org.hibernate.SessionFactory; import
org.hibernate.Transaction;
```

e

```
import Entities.Classes; import
Entities.Subject; import
Hibernate.HibernateUtil;
```

```
/**
```

```
 * Servlet implementation class ClassDelete
```

```
 */
```

```
@WebServlet("/ClassDelete ") public class
ClassDelete extends HttpServlet { private
Session session;
```

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

```
    // TODO Auto-generated method stub
```

```
    try {
```

```
        int subjectId=Integer.parseInt(request.getParameter("classes_id"));
```

```
        SessionFactory sessionFactory= HibernateUtil.getSessinFactory();
```

```
        session=sessionFactory.openSession();
```

```
        Transaction transaction=session.beginTransaction();
```

```
        Classes classes=
```

```
        session.get(Classes.class,subjectId);
```

```
        session.delete(classes); transaction.commit();
```

```
        session.close(); response.sendRedirect("classlist.jsp");
```

```
    } catch (Exception e) {
```

```
        // TODO: handle exception
```

```
    }
```

```
}
```

```
}
```

```
package com.Servlet;
```

e

```
import java.io.IOException; import  
javax.servlet.ServletException; import  
javax.servlet.annotation.WebServlet; import  
javax.servlet.http.HttpServlet; import  
javax.servlet.http.HttpServletRequest; import  
javax.servlet.http.HttpServletResponse;
```

```
import org.hibernate.Session; import  
org.hibernate.SessionFactory;
```

```
import org.hibernate.Transaction;
```

```
import Entities.Classes; import  
Entities.Subject; import  
Hibernate.HibernateUtil;
```

```
/**
```

```
 * Servlet implementation class ClassUpdate
```

```
 */
```

```
@WebServlet("/ClassUpdate") public class  
ClassUpdate extends HttpServlet {
```

```
    private Session session;
```

```
    public ClassUpdate() {  
        super();
```

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

```
    }
```

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

```
        try {
```

```
            System.out.println("Update");
```

```
            int classesId=Integer.parseInt(request.getParameter("id").trim());  
            String classesName=request.getParameter("classesName").trim();
```

```
            SessionFactory sessionFactory= HibernateUtil.getSessinFactory();  
            session=sessionFactory.openSession();
```

```
            Transaction transaction=session.beginTransaction();  
            Classes classes= session.get(Classes.class,classesId);  
            classes.setClassName(classesName);
```

```
            transaction.commit(); session.close();  
            response.sendRedirect("classlist.jsp")  
            ;
```

```
        } catch (Exception e) {
```

```
            // TODO: handle exception
```

```
        }
```

```
    }
```

```
}
```

```
package com.Servlet;
```

```
import java.io.IOException; import  
javax.servlet.ServletException; import  
javax.servlet.annotation.WebServlet; import  
javax.servlet.http.HttpServlet; import  
javax.servlet.http.HttpServletRequest; import  
javax.servlet.http.HttpServletResponse;
```

```
import org.hibernate.Session; import  
org.hibernate.SessionFactory; import  
org.hibernate.Transaction;
```

```
import Entities.Classes; import  
Entities.Main_Dashboard; import  
Hibernate.HibernateUtil;
```

```
/**
```

```
 * Servlet implementation class DashboardDelete
```

```
 */
```

```
@WebServlet("/DashboardDelete") public class  
DashboardDelete extends HttpServlet {
```

```
    private Session session; protected void doGet(HttpServletRequest request,  
    HttpServletResponse response)
```

```
throws ServletException, IOException {
```

```
    try {
```

```
        int dbld=Integer.parseInt(request.getParameter("DB_id"));
```

```
        SessionFactory sessionFactory= HibernateUtil.getSessinFactory();  
        session=sessionFactory.openSession();
```

```
        Transaction transaction=session.beginTransaction();
```

```
        Main_Dashboard main_Dashboard=
```

```
session.get(Main_Dashboard.class,dbld);
```

```
        session.delete(main_Dashboard);
```

```
        transaction.commit(); session.close();
```

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

```
    } catch (Exception e) {
```

```
        // TODO: handle exception
```

```
    }
```

```
}
```

```
t
```

```
}
```

```
package com.Servlet;
```

```
import java.io.IOException; import  
javax.servlet.ServletException; import  
javax.servlet.annotation.WebServlet; import  
javax.servlet.http.HttpServlet; import  
javax.servlet.http.HttpServletRequest; import  
javax.servlet.http.HttpServletResponse;
```

```
import org.hibernate.Session; import  
org.hibernate.SessionFactory; import  
org.hibernate.Transaction;
```

```
import Entities.Subject; import  
Hibernate.HibernateUtil;
```

```
/**
```

```
 * Servlet implementation class DeleteServlet
```

```
 */
```

```
@WebServlet("/DeleteServlet") public class  
DeleteServlet extends HttpServlet { private  
Session session;
```

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

```
    // TODO Auto-generated method stub try { int  
    subjectId=Integer.parseInt(request.getParameter("subject_id").trim());
```

```
        SessionFactory sessionFactory= HibernateUtil.getSessinFactory();  
        session=sessionFactory.openSession();  
        Transaction transaction=session.beginTransaction();
```

u

```
        if(subjectId>0) {
            Subject subject=
            session.get(Subject.class,subjectId);
            session.delete(subject); transaction.commit();
            session.close(); response.sendRedirect("list.jsp");
        }

    } catch (Exception e) {
        // TODO: handle exception
    }
}

package com.Servlet;
import java.io.IOException;

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

import org.hibernate.Session; import
org.hibernate.SessionFactory; import
org.hibernate.Transaction;

import Entities.Classes; import
Entities.Student; import
Hibernate.HibernateUtil;

/**
 * Servlet implementation class StudentDelete
 */
@WebServlet("/StudentDelete") public class
StudentDelete extends HttpServlet { private
Session session;
    protected void doGet(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {
```

v

```
        try {  
            int studentId=Integer.parseInt(request.getParameter("student_id"));  
  
            SessionFactory sessionFactory= HibernateUtil.getSessinFactory();  
            session=sessionFactory.openSession();  
            Transaction transaction=session.beginTransaction();  
  
            Student student=  
            session.get(Student.class,studentId);  
            session.delete(student); transaction.commit();  
            session.close();  
            response.sendRedirect("studentlist.jsp");  
  
        } catch (Exception e) {  
            // TODO: handle exception  
        }  
    }  
}
```

```
package com.Servlet;
```

```
import java.io.IOException; import  
javax.servlet.ServletException; import  
javax.servlet.annotation.WebServlet; import  
javax.servlet.http.HttpServlet; import  
javax.servlet.http.HttpServletRequest; import  
javax.servlet.http.HttpServletResponse;
```

```
import org.hibernate.Session; import  
org.hibernate.SessionFactory; import  
org.hibernate.Transaction;
```

```
import Entities.Classes; import  
Entities.Teachers; import  
Hibernate.HibernateUtil; /**
```

```
* Servlet implementation class TeacherDelete
```



```

*/
@WebServlet("/TeacherDelete") public class
TeacherDelete extends HttpServlet { private
Session session;

    protected void doGet(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {
        // TODO Auto-generated method
        stub try { int
teacherId=Integer.parseInt(request.getParameter("teachers_id").trim());

                SessionFactory sessionFactory= HibernateUtil.getSessinFactory();
                session=sessionFactory.openSession();
                Transaction transaction=session.beginTransaction();

                Teachers teachers=
                session.get(Teachers.class,teacherId);
                session.delete(teachers); transaction.commit();
                session.close(); response.sendRedirect("teacherslist.jsp");

        } catch (Exception e) {
            // TODO: handle exception
        }
    }
}

```

```

package com.Servlet;

```

```

import java.io.IOException; import
javax.servlet.ServletException; import
javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;

```

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

```
import org.hibernate.Session; import
org.hibernate.SessionFactory; import
org.hibernate.Transaction;
```

```
import Entities.Classes; import
Entities.Teachers; import
Hibernate.HibernateUtil;
```

```
/**
```

```
 * Servlet implementation class TeacherUpdate
```

```
 */
```

```
@WebServlet("/TeacherUpdate") public class
TeacherUpdate extends HttpServlet { private
Session session;
```

```
    public TeacherUpdate() {
        super();
        // TODO Auto-generated constructor stub
    }
```

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

```
            try {
                System.out.println("Update");
```

```
                int teachersId=Integer.parseInt(request.getParameter("id").trim());
                String teachersName=request.getParameter("teachersName").trim();
```

```
                SessionFactory sessionFactory= HibernateUtil.getSessinFactory();
                session=sessionFactory.openSession();
```

```
                Transaction transaction=session.beginTransaction();
                Teachers teachers= session.get(Teachers.class,teachersId);
                teachers.setTeachersName(teachersName);
```

```
                transaction.commit(); session.close();
                response.sendRedirect("teacherslist.jsp")
                ;
```

```
            } catch (Exception e) {
                // TODO: handle exception
            }
```

```
    }  
}
```

```
package com.Servlet;
```

```
import java.io.IOException; import  
javax.servlet.ServletException; import  
javax.servlet.annotation.WebServlet; import  
javax.servlet.http.HttpServlet; import  
javax.servlet.http.HttpServletRequest; import  
javax.servlet.http.HttpServletResponse;
```

```
import org.hibernate.Session; import  
org.hibernate.SessionFactory; import  
org.hibernate.Transaction;
```

```
import Entities.Subject; import  
Hibernate.HibernateUtil;
```

```
/**
```

```
 * Servlet implementation class UpdateServlet
```

```
 */
```

```
@WebServlet("/UpdateServlet") public class  
UpdateServlet extends HttpServlet {
```

```
    private Session session;
```

```
    public UpdateServlet() {  
        super();
```

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

```
    }
```

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

```
            // TODO Auto-generated method stub
```

```
            try {
```

```
                System.out.println("Update");
```

```

        int subjectId=Integer.parseInt(request.getParameter("id").trim());
        String subjectName=request.getParameter("subjectName").trim();
        SessionFactory sessionFactory= HibernateUtil.getSessionFactory();
        session=sessionFactory.openSession();
        Transaction transaction=session.beginTransaction();
        Subject subject= session.get(Subject.class,subjectId);
        subject.setSubjectName(subjectName);

        transaction.commit();
        session.close();
        response.sendRedirect("list.jsp");

    } catch (Exception e) {
        // TODO: handle exception
    }
}

```

Classes

```
package Entities;
```

```
import jakarta.persistence.Column; import
jakarta.persistence.Entity; import
jakarta.persistence.GeneratedValue;
import jakarta.persistence.GenerationType;
import jakarta.persistence.Id; import
jakarta.persistence.Table;
```

```
@Entity
```

```
@Table(name = "ClassesTable")
```

```
public class Classes {
```

```
    @Id
```

```
    @GeneratedValue(strategy = GenerationType.AUTO)
```

```
    private int id;
```

```
    @Column
```

```
    private String className;
```

```
    public Classes() {
```

```

    }

    public Classes(String className) {

        this.className = className;
    }

    public int getId() {
        return id;
    }

    public void setId(int id) {
        this.id = id;
    }

    public String getClassName() {
        return className;
    }

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

}

```

```

package Entities;

```

```

import jakarta.persistence.Column; import
jakarta.persistence.Entity; import
jakarta.persistence.GeneratedValue;
import jakarta.persistence.GenerationType;
import jakarta.persistence.Id; import
jakarta.persistence.ManyToMany; import
jakarta.persistence.OneToOne; import
jakarta.persistence.Table;

```

```

@Entity
@Table(name = "StudentsTable")
public class Student {
    @Id

```

```
@GeneratedValue(strategy = GenerationType.IDENTITY)
private int id;
```

```
@Column
private String fName;
```

```
@Column
private String lName;
```

```
@Column
private String gender;
```

```
@OneToOne
public Classes classes;
public Student() {
```

```
}
```

```
public int getId() {
    return id;
}
```

```
public void setId(int id) {
    this.id = id;
}
```

```
public String getfName() {
    return fName;
}
```

```
public void setfName(String fName) {
    this.fName = fName;
}
```

```
public String getlName() {
    return lName;
}
```

```
public void setlName(String lName) {
    this.lName = lName;
}
```

```

    }

    public String getGender() {
        return gender;
    }

    public void setGender(String gender) {
        this.gender = gender;
    }

    public Classes getClasses() {
        return classes;
    }

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

    public Student(String fName, String lName, String gender, Classes classes) {

        this.fName = fName;
        this.lName = lName;
        this.gender = gender;
        this.classes = classes;
    }

}

```

```

package Entities;

```

```

import jakarta.persistence.Column; import
jakarta.persistence.Entity; import
jakarta.persistence.GeneratedValue;
import jakarta.persistence.GenerationType;
import jakarta.persistence.Id; import
jakarta.persistence.Table;

```

```

@Entity
@Table(name = "SubjectsTable")
public class Subject {

```

```
@Id
@GeneratedValue(strategy = GenerationType.AUTO)
private int id;
```

```
@Column
private String SubjectName;
```

```
public Subject() {
```

```
}
```

```
public Subject(int id)
    { super();
      this.id = id;
    }
```

```
public Subject(String subjectName) {
    SubjectName = subjectName;
}
```

```
public int getId() {
    return id;
}
```

```
public void setId(int id) {
    this.id = id;
}
```



```

        public String getSubjectName() {
            return SubjectName;
        }

        public void setSubjectName(String subjectName) {
            SubjectName = subjectName;
        }
    }

```

```

package Entities;

```

```

import jakarta.persistence.Column; import
jakarta.persistence.Entity; import
jakarta.persistence.GeneratedValue;
import jakarta.persistence.GenerationType;
import jakarta.persistence.Id; import
jakarta.persistence.Table;

```

```

@Entity

```

```

@Table(name = "TeachersTable")

```

```

public class Teachers {

```

```

    @Id

```

```

    @GeneratedValue(strategy = GenerationType.AUTO)
    private int id;

```

```

    @Column

```

```

    private String
    teachersName; private int
    classId; public Teachers() {

```

```

    }

```

```

    public Teachers(String teachersName) {

```

```

        this.teachersName = teachersName;

```

```

    }

```

```

    public int getId() {
        return id;
    }

```

```

        public void setId(int id) {
            this.id = id;
        }

        public String getTeachersName() {
            return teachersName;
        }

        public void setTeachersName(String teachersName) {
            this.teachersName = teachersName;
        }
    }

}

package Entities;

import jakarta.persistence.Entity; import
jakarta.persistence.GeneratedValue;
import jakarta.persistence.GenerationType;
import jakarta.persistence.Id; import
jakarta.persistence.ManyToOne; import
jakarta.persistence.OneToOne; import
jakarta.persistence.OneToOne; import
jakarta.persistence.Table;

@Entity
@Table(name = "MainDashboard")
public class Main_Dashboard {

    @Id
    @GeneratedValue(strategy = GenerationType.IDENTITY)
    private int id;

    @OneToOne
    private Classes classes;

    @OneToOne
    private Subject subject;

```

```
@OneToOne
private Teachers teachers;

public Main_Dashboard() {
}

public Main_Dashboard(Classes classes, Subject subject, Teachers teachers) {
    this.classes = classes;

    this.subject = subject;
    this.teachers = teachers;
}

public int getId() {
    return id;
}

public void setId(int id) {
    this.id = id;
}

public Classes getClasses() {
    return classes;
}

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

public Subject getSubject() {
    return subject;
}

public void setSubject(Subject subject) {
    this.subject = subject;
}
```

```

        public Teachers getTeachers() {
            return teachers;
        }

        public void setTeachers(Teachers teachers) {
            this.teachers = teachers;
        }
    }
}

```

Hibernate

```

package Hibernate;

import org.hibernate.SessionFactory;
import org.hibernate.cfg.Configuration;

import Entities.Classes; import
Entities.Main_Dashboard; import
Entities.Student; import
Entities.Subject; import
Entities.Teachers;

public class HibernateUtil { private static
SessionFactory sessionFactory;

    public static SessionFactory getSessionFactory() { if(sessionFactory==null) {
        sessionFactory= new Configuration().configure("hibernate.cfg.xml")

        .addAnnotatedClass(Classes.class).addAnnotatedClass(Student.class)

        .addAnnotatedClass(Subject.class).addAnnotatedClass(Teachers.class)
            .addAnnotatedClass(Main_Dashboard.class)
            .buildSessionFactory();

    }

    return sessionFactory;
}
}

```

```

<?xml version = "1.0" encoding = "utf-8"?>
<!DOCTYPE hibernate-configuration SYSTEM
"http://www.hibernate.org/dtd/hibernate-configuration-3.0.dtd">
<hibernate-configuration>
  <session-factory>
    <!-- Database Connection name -->
    <property name = "hibernate.connection.driver_class">
      com.mysql.jdbc.Driver</property>
    <property name = "hibernate.connection.url">
      jdbc:mysql://localhost:3306/admin_management</property>
    <property name = "hibernate.connection.username">
      root</property>
    <property name = "hibernate.connection.password">
      root</property>

    <!-- SQL dialect-->

    <property name = "hibernate.dialect">
      org.hibernate.dialect.MySQLDialect</property>

    <property name="show_sql">true</property>

    <!-- Drop and re-create the database schema on startup -->
    <property name="hbm2ddl.auto">update</property>

    <!--
    <property name="current_session_context_class">thread</property>-->

  </session-factory>
</hibernate-configuration>

```

Css

```
@charset "ISO-8859-1";
```

```

@import
url('https://fonts.googleapis.com/css2?family=Noto+Sans:wght@700&family=Poppins:wght@400;500;600&display=swap');
*{ margin: 0; padding: 0; box-
sizing: border-box; font-family:
"Poppins", sans-serif;
}
body{
margin: 0; padding: 0; background: linear-
gradient(120deg,#2980b9, #8e44ad); height:auto;

}
.center{ justify-content:
center; height:auto;
position: relative;
margin-top: 8%;
margin-left: 35%;
margin-bottom: 3%;
width: 30%;

background: white; border-
radius: 15px;
box-shadow: 10px 10px 15px rgba(0,0,0,0.05);
}
.center h3{ text-align: center;
padding: 20px 0; border-
bottom: 1px solid silver;
}
.center form{ padding: 0
40px; box-sizing:
border-box;
} form
.txt_field{
position: relative; border-bottom:
2px solid #adadad; margin: 30px
0;
}
.txt_field input{
width: 100%;
padding: 0 5px;
height: 40px; font-
size: 16px; border:
none; background:

```

```

    none; outline:
    none;
}
.txt_field label{ position:
    absolute; top: 50%; left:
    5px; color: #adadad;
    transform: translateY(-50%);
    font-size: 16px; pointer-
    events: none; transition: .5s;
}
.txt_field span::before{
    content: "; position:
    absolute; top: 40px;
    left: 0;
    width: 0%; height:
    2px; background:
    #2691d9;
    transition: .5s;
}
.txt_field input:focus ~ label,
.txt_field input:valid ~ label{
    top: -5px; color: #2691d9;
}
.txt_field input:focus ~ span::before,
.txt_field input:valid ~ span::before{
    width: 100%;
}

input[type="submit"]{ margin-
    bottom:10%;
    width: 100%; height:
    50px; border: 1px
    solid; background:
    #2691d9; border-
    radius: 25px; font-
    size: 18px; color:
    #e9f4fb; font-weight:
    700; cursor: pointer;
    outline: none;
}
input[type="submit"]:hover{ border-color: #2691d9; transition: .5s;
}

```

```

table.dataTable thead .sorting:after, table.dataTable
thead .sorting:before, table.dataTable thead
.sorting_asc:after, table.dataTable thead
.sorting_asc:before, table.dataTable thead
.sorting_asc_disabled:after, table.dataTable thead
.sorting_asc_disabled:before, table.dataTable thead
.sorting_desc:after, table.dataTable thead
.sorting_desc:before, table.dataTable thead
.sorting_desc_disabled:after, table.dataTable thead
.sorting_desc_disabled:before { bottom: .5em;
}

```

HTML and JSP

```

<%@page import="Entities.Classes"%>

<%@page import="org.hibernate.Transaction"%>
<%@page import="org.hibernate.Session"%>
<%@page import="Hibernate.HibernateUtil"%>
<%@page import="java.io.PrintWriter"%>
<%@page import="org.hibernate.cfg.Configuration"%>
<%@page import="java.sql.ResultSet"%>
<%@page import="java.util.ArrayList"%>

<%@page import="java.util.List"%>
<%@page import="org.hibernate.query.Query"%>
<%@page import="org.hibernate.Session"%>
<%@page import="org.hibernate.Transaction"%>
<%@page import="Hibernate.HibernateUtil"%>
<%@page import="org.hibernate.SessionFactory"%>
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<link rel="stylesheet" href="css/New1.css">
<title>Add Classes</title>
</head>

```



```

<body>
<jsp:include page="bar.jsp" />
<div class="center">
<h3>Classes</h3>
<%

Configuration cfg= new Configuration().addAnnotatedClass(Classes.class);
cfg.configure();
SessionFactory factory= cfg.buildSessionFactory();
Session s1=factory.openSession();
Transaction transaction= s1.beginTransaction();

String hql="from Classes";
Query query=s1.createQuery(hql);
List<Classes> results=query.list();
%>
<form action="Operations" method="post">
<br> <div class="txt_field">
    <input type="text" name="classesName" required>
    <span></span>
</div>
    <input type="submit" Value="Submit">

</form>
<%
transaction.commit();
s1.close();
%>

</div>
</body>
</html>

<%@page import="Entities.Student"%>
<%@page import="Entities.Classes"%>

<%@page import="org.hibernate.Transaction"%>

```

```
<%@page import="org.hibernate.Session"%>  
<%@page import="Hibernate.HibernateUtil"%>  
<%@page import="java.io.PrintWriter"%>
```

```

    %@page import="org.hibernate.cfg.Configuration"%>
    %@page import="java.sql.ResultSet"%>
<%@page import="java.util.ArrayList"%>

<%@page import="java.util.List"%>
<%@page import="org.hibernate.query.Query"%>
<%@page import="org.hibernate.Session"%>
<%@page import="org.hibernate.Transaction"%>
<%@page import="Hibernate.HibernateUtil"%>
<%@page import="org.hibernate.SessionFactory"%>
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<link rel="stylesheet" href="css/student.css">
<title>Add Student</title>
</head>
<body>
<jsp:include page="bar.jsp" />
<div class="center">
<h3>Student</h3>
<%

```

```

Configuration cfg= new
Configuration().addAnnotatedClass(Student.class).addAnnotatedClass(Classes.class);
cfg.configure();
SessionFactory factory= cfg.buildSessionFactory();
Session s1=factory.openSession();
Transaction transaction= s1.beginTransaction();

```

```

String hql="from Student";
String hql1="from Classes";
Query query=s1.createQuery(hql);
Query query1=s1.createQuery(hql1);
List<Student> results=query.list();
List<Classes> results1=query1.list();
%>

```

<

<

<form action="AddStudent" method="post">

<div class="form-group">

<input type="text" name="fName" class="form-control" id="exampleFormControlInput1" placeholder="First Name">

</div>

<div class="form-group">

<input type="text" name="lName" class="form-control" id="exampleFormControlInput1" placeholder="Last Name">

</div>

<div class="form-group">

<label for="exampleFormControlSelect2">Select Gender</label>

<select name="gender" class="form-control" id="exampleFormControlSelect1">

<option></option>

<option>Male</option>

<option>Female</option>

<option>Others</option>

</select>

</div>

<div class="form-group">

<label for="exampleFormControlSelect2">Select Student Class</label>

<select name="studentClassID" class="form-control" id="exampleFormControlSelect1">

<% for(Classes classes:results1) {%>

<option value="<%= classes.getId()%>"><% System.out.println(classes.getClassName());
out.println(classes.getClassName());%></option> <%} %>

</select>

</div>

<input type="submit" Value="Submit">

</form>

</form>

```
<%  
transaction.commit();  
s1.close();  
%>
```

```
</div>  
/body>  
/html>
```

```
<%@page import="Entities.Subject"%>  
<%@page import="org.hibernate.Transaction"%>  
<%@page import="org.hibernate.Session"%>  
<%@page import="Hibernate.HibernateUtil"%>  
<%@page import="java.io.PrintWriter"%>  
<%@page import="org.hibernate.cfg.Configuration"%>  
<%@page import="java.sql.ResultSet"%>  
<%@page import="java.util.ArrayList"%>  
<%@page import="Entities.Subject"%>  
<%@page import="java.util.List"%>  
<%@page import="org.hibernate.query.Query"%>  
<%@page import="org.hibernate.Session"%>  
<%@page import="org.hibernate.Transaction"%>  
<%@page import="Hibernate.HibernateUtil"%>  
<%@page import="org.hibernate.SessionFactory"%>  
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"  
    pageEncoding="ISO-8859-1"%>  
<!DOCTYPE html>  
<html>  
<head>  
<meta charset="ISO-8859-1">  
<link rel="stylesheet" href="css/New1.css">  
<title>Add Subject</title>  
</head>  
<body>  
<jsp:include page="bar.jsp" />  
<div class="center">  
<h3>Subject</h3>
```

<

<

<%

```
Configuration cfg= new Configuration().addAnnotatedClass(Subject.class); cfg.configure();
```

```
SessionFactory factory= cfg.buildSessionFactory();
```

```
Session s1=factory.openSession();
```

```
Transaction transaction= s1.beginTransaction();
```

```
String hql="from Subject";
```

```
Query query=s1.createQuery(hql);
```

```
List<Subject> results=query.list();
```

```
%>
```

<
<

```
form action="Operations" method="post">  
br> <div class="txt_field">  
    <input type="text" name="subjectName" required>  
    <span></span>  
    </div>  
    <input type="submit" Value="Submit">
```

```
</form>  
<%  
transaction.commit();  
s1.close();  
%>
```

```
</div>  
</body>  
</html>
```

```
<%@page import="Entities.Teachers"%>  
<%@page import="Entities.Subject"%>  
<%@page import="org.hibernate.Transaction"%>  
<%@page import="org.hibernate.Session"%>  
<%@page import="Hibernate.HibernateUtil"%>  
<%@page import="java.io.PrintWriter"%>  
<%@page import="org.hibernate.cfg.Configuration"%>  
<%@page import="java.sql.ResultSet"%>  
<%@page import="java.util.ArrayList"%>  
<%@page import="Entities.Subject"%>  
<%@page import="java.util.List"%>  
<%@page import="org.hibernate.query.Query"%>  
<%@page import="org.hibernate.Session"%>  
<%@page import="org.hibernate.Transaction"%>  
<%@page import="Hibernate.HibernateUtil"%>  
<%@page import="org.hibernate.SessionFactory"%>
```

<
<

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

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<meta charset="ISO-8859-1">
```

```
<link rel="stylesheet" href="css/New1.css">
    title>Add Teachers</title>
```

```
    /head>
```

```
<body>
```

```
<jsp:include page="bar.jsp" />
```

```
<div class="center">
```

```
<h3>Teachers</h3>
```

```
<%
```

```
Configuration cfg= new Configuration().addAnnotatedClass(Teachers.class);
cfg.configure();
```

```
SessionFactory factory= cfg.buildSessionFactory();
```

```
Session s1=factory.openSession();
```

```
Transaction transaction= s1.beginTransaction();
```

```
String hql="from Teachers";
```

```
Query query=s1.createQuery(hql);
```

```
List<Subject> results=query.list();
```

```
%>
```

```
<form action="Operations" method="post">
```

```
<br> <div class="txt_field">
```

```
    <input type="text" name="teachersName" required>
```

```
    <span></span>
```

```
</div>
```

```
    <input type="submit" Value="Submit">
```

```
</form>
```

```
<%
```

```
transaction.commit();
```

```
s1.close();
```


<

%>

</div>

</body>

</html>

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

<link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.4.1/dist/css/bootstrap.min.css"
integrity="sha384-Vkoo8x4CGsO3+Hhvx8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23
Q9lfjh" crossorigin="anonymous">

nav class="navbar navbar-expand-lg navbar-light bg-light">

Admin Management

<button class="navbar-toggler" type="button" data-toggle="collapse" data-
target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-
expanded="false" aria-label="Toggle navigation">

</button>

<div class="collapse navbar-collapse" id="navbarSupportedContent">

<ul class="navbar-nav mr-auto">

<li class="nav-item">

Dashboard Master

<li class="nav-item active">

Classes

<li class="nav-item">

Subjects

<li class="nav-item">

Teachers

<li class="nav-item">

Students

<
<

```
        <li class="nav-item">
        <a class="nav-link" href="index.html">Logout</a>
        </li>
```


</div>
</nav>

```
<%@page import="Entities.Classes"%>
<%@page import="java.io.PrintWriter"%>
<%@page import="org.hibernate.cfg.Configuration"%>
    %@page import="java.sql.ResultSet"%>
    %@page import="java.sql.PreparedStatement"%>
<%@page import="java.sql.DriverManager"%>
<%@page import="java.sql.Connection"%>
<%@page import="java.util.ArrayList"%>
<%@page import="Entities.Subject"%>
<%@page import="java.util.List"%>
<%@page import="org.hibernate.query.Query"%>
<%@page import="org.hibernate.Session"%>
<%@page import="org.hibernate.Transaction"%>
<%@page import="Hibernate.HibernateUtil"%>
<%@page import="org.hibernate.SessionFactory"%>
<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c" %><%@ page language="java"
contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<link rel="stylesheet" href="css/New1.css">
<meta charset="ISO-8859-1">
```

<

<title>Update Classes</title>

</head>

<body>

<jsp:include page="bar.jsp" />

<div class="center">

<h3>Classes</h3>

<%

Configuration cfg= new Configuration().addAnnotatedClass(Classes.class);

cfg.configure();

SessionFactory factory= cfg.buildSessionFactory();

Session s1=factory.openSession();

Transaction transaction= s1.beginTransaction();

String hql="from Classes";

Query query=s1.createQuery(hql);

List<Classes> results=query.list();

%>

<%int classesId=Integer.parseInt(request.getParameter("classes_id").trim());

Classes classes= s1.get(Classes.class,classesId);

%>

<form action="ClassUpdate" method="post" >

 <div class="txt_field">

```

        <input type="hidden" name="id" value="<%=classes.getId()%>">
        <input type="text" name="classesName" value="<%=classes.getClassName()%>"
required>
        <span></span>
    </div>
    <input type="submit" Value="Submit">

</form>
</div>
</body>
</html>

```

```

<%@page import="Entities.Classes"%>
<%@page import="java.io.PrintWriter"%>
<%@page import="org.hibernate.cfg.Configuration"%>
<%@page import="java.sql.ResultSet"%>
<%@page import="java.sql.PreparedStatement"%>
<%@page import="java.sql.DriverManager"%>
<%@page import="java.sql.Connection"%>
<%@page import="java.util.ArrayList"%>
<%@page import="Entities.Subject"%>
<%@page import="java.util.List"%>
<%@page import="org.hibernate.query.Query"%>
<%@page import="org.hibernate.Session"%>
<%@page import="org.hibernate.Transaction"%>
<%@page import="Hibernate.HibernateUtil"%>
<%@page import="org.hibernate.SessionFactory"%>
<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c" %>
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<link rel="stylesheet" href="css/New.css">
<meta charset="ISO-8859-1">
<title>Class List</title>
</head>

```

```

<body>
<jsp:include page="bar.jsp" />
<div class="center" >
<h3 align="center" style="padding: 20px !important;">Classes List</h3>
<%
Configuration cfg= new Configuration().addAnnotatedClass(Classes.class);
cfg.configure();
SessionFactory factory= cfg.buildSessionFactory();
Session s1=factory.openSession();
Transaction transaction= s1.beginTransaction();

String hql="from Classes";
Query query=s1.createQuery(hql);
List<Classes> results=query.list();
%>

<div align="center" >

<h4 margin-top="5px"><a href="addClasses.jsp"></a></h4></div>

<div style="padding-left:10%; padding-right:10%">
<table class="table table-striped">

<tr>
<th class="th-sm" nowrap>Class Name</th>
<th class="th-sm" nowrap>Edit</th>
<th class="th-sm" nowrap>Delete</th>
</tr>
<% for(Classes classes:results) {%>
<tr>
<td><% System.out.println(classes.getClassName());
out.println(classes.getClassName());%></td>

<%int Id = classes.getId(); %>

<td width=20%><a href="classedit.jsp?classes_id=<%= classes.getId()%>"></a></td>

```

```
        <td width=20%><a href="ClassDelete?classes_id=<%= classes.getId()%>"></a></td>
    </tr>
```

```
        <%} %>
    <%
transaction.commit();
s1.close();
%>
</table>
</div>
```

```
    <br>
</div>
```

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

```
<%@page import="Entities.Teachers"%>
<%@page import="Entities.Subject"%>
<%@page import="Entities.Main_Dashboard"%>
<%@page import="java.util.List"%>
<%@page import="org.hibernate.query.Query"%>
<%@page import="org.hibernate.Transaction"%>
<%@page import="org.hibernate.Session"%>
<%@page import="org.hibernate.SessionFactory"%>
<%@page import="org.hibernate.cfg.Configuration"%>
<%@page import="Entities.Classes"%>
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.4.1/dist/css/bootstrap.min.css"
integrity="sha384-Vkoo8x4CGsO3+Hhxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23
Q9Ifjh" crossorigin="anonymous">
```

```
<meta charset="ISO-8859-1">
<link rel="stylesheet" href="css/New.css">
```

```
<title>Dashboard</title>
</head>
<body>
```

```
<nav class="navbar navbar-expand-lg navbar-light bg-light">
  <a class="navbar-brand" href="dashboard.jsp">Admin Management</a>
  <button class="navbar-toggler" type="button" data-toggle="collapse" data-
target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-
expanded="false" aria-label="Toggle navigation">
    <span class="navbar-toggler-icon"></span>
  </button>
```

```
<div class="collapse navbar-collapse" id="navbarSupportedContent">
  <ul class="navbar-nav mr-auto">
    </li>
    <li class="nav-item">
      <a class="nav-link" href="dropdown.jsp">Dashboard Master</a>
    </li>
    <li class="nav-item active">
      <a class="nav-link" href="classlist.jsp">Classes </a>
    </li>
    <li class="nav-item">
      <a class="nav-link" href="list.jsp">Subjects</a>
    </li>
    <li class="nav-item">
      <a class="nav-link" href="teacherslist.jsp">Teachers</a>
    </li>
    <li class="nav-item">
      <a class="nav-link" href="studentlist.jsp">Students</a>

      <li class="nav-item">
        <a class="nav-link" href="index.html">Logout</a>
      </li>
```


</div>

</nav>

<div class="center" style="width: 80% !important;">

<h3 align="center" style="padding: 20px !important;">Welcome to Dashboard</h3>

<%

Configuration cfg= new

Configuration().addAnnotatedClass(Main_Dashboard.class).addAnnotatedClass(Classes.class)

.addAnnotatedClass(Subject.class).addAnnotatedClass(Teachers.class);

cfg.configure();

SessionFactory factory= cfg.buildSessionFactory();

Session s1=factory.openSession();

Transaction transaction= s1.beginTransaction();

String hql="from Main_Dashboard";

String hq2="from Classes";

String hq3="from Subject";

String hq4="from Teachers";

Query query=s1.createQuery(hql);

Query query1=s1.createQuery(hq2);

Query query2=s1.createQuery(hq3);

Query query3=s1.createQuery(hq4);

List<Main_Dashboard> results=query.list();

List<Classes> results1=query1.list();

List<Subject> results2=query2.list();

List<Teachers> results3=query3.list();

%>

<div class="txt_field">

<div align="center" style="padding:30px; border:1px" >

<table class="table table-bordered" style="border-color:black">

<tr>


```

        <th nowrap>Class Name</th>
        <th nowrap>Subject Name</th>
        <th nowrap>Teacher Name</th>
        <th nowrap>Actions</th>
    </tr>
    <% for(Main_Dashboard main_Dashboard:results) {%>
        <tr >

            <td><% System.out.println(main_Dashboard.getClasses().getClassName());
out.println(main_Dashboard.getClasses().getClassName());%></td>

            <td><%
System.out.println(main_Dashboard.getSubject().getSubjectName());
out.println(main_Dashboard.getSubject().getSubjectName());%></td> <td><%
System.out.println(main_Dashboard.getTeachers().getTeachersName());
out.println(main_Dashboard.getTeachers().getTeachersName());%></td>

            <td><%int Id = main_Dashboard.getId(); %>

            <td width=20%><a href="DashboardDelete?DB_id=<%=
main_Dashboard.getId()%>"></a></td>

        </tr>
    <%} %>
</table>
<br>
</div>

<%
transaction.commit();
s1.close();
%>

<!--<form action="classlist.jsp" method="post">
<br>

```

```

        <input type="submit" name="classlist.jsp" Value="Class">
</form><form action="list.jsp">
        <input type="submit" name="SubjectOperations" Value="Subject">
        </form>
        <form action="teacherslist.jsp">
        <input type="submit" name="TecherOperation" Value="Teachers">
</form>
<form action="studentlist.jsp">
        <input type="submit" name="StudentOperation" Value="Students">
</form>
-->
</div>
</body>
</html>
<%@page import="Entities.Teachers"%>
<%@page import="Entities.Subject"%>
<%@page import="Entities.Classes"%>

<%@page import="org.hibernate.Transaction"%>
<%@page import="org.hibernate.Session"%>
<%@page import="Hibernate.HibernateUtil"%>
<%@page import="java.io.PrintWriter"%>
<%@page import="org.hibernate.cfg.Configuration"%>
<%@page import="java.sql.ResultSet"%>
<%@page import="java.util.ArrayList"%>

<%@page import="java.util.List"%>
<%@page import="org.hibernate.query.Query"%>
<%@page import="org.hibernate.Session"%>
<%@page import="org.hibernate.Transaction"%>
<%@page import="Hibernate.HibernateUtil"%>
<%@page import="org.hibernate.SessionFactory"%>
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<link rel="stylesheet" href="css/student.css">

```

```

<title>Insert title here</title>
</head>
<body>
<jsp:include page="bar.jsp" />
<div class="center">
<h3>Role Assign Manager</h3>
<%

```

```

Configuration cfg= new
Configuration().addAnnotatedClass(Classes.class).addAnnotatedClass(Subject.class)
.addAnnotatedClass(Teachers.class);
cfg.configure();
SessionFactory factory= cfg.buildSessionFactory();
Session s1=factory.openSession();
Transaction transaction= s1.beginTransaction();

```

```

String hql="from Classes";
String hql1="from Subject";
String hql2="from Teachers";
Query query=s1.createQuery(hql);
Query query1=s1.createQuery(hql1);
Query query2=s1.createQuery(hql2);

```

```

List<Classes> results=query.list();
List<Subject> results1=query1.list();
List<Teachers> results2=query2.list();
%>

```

```

<form action="Master" method="post">
<div class="form-group">
    <label for="exampleFormControlSelect2">Select Class Name</label>
    <select name="masterClass" class="form-control" id="exampleFormControlSelect1">
    <% for(Classes classes:results) {%>
        <option value="<%= classes.getId()%>"><% System.out.println(classes.getClassName());
                                out.println(classes.getClassName());%></option>

    <%} %>
    </select>
    <br>
    <div class="form-group">
        <label for="exampleFormControlSelect2">Select Subject Name</label>

```

```

        <select name="masterSubject" class="form-control" id="exampleFormControlSelect1">
<% for(Subject subject:results1) {%>
        <option value="<%= subject.getId()%>"><% System.out.println(subject.getSubjectName());
                                out.println(subject.getSubjectName());%></option>

<%} %>
</select>
<br>
        <div class="form-group">
        <label for="exampleFormControlSelect2">Select Teacher Name</label>
        <select name="masterTeacher" class="form-control" id="exampleFormControlSelect1">
<% for(Teachers teachers:results2) {%>
        <option value="<%= teachers.getId()%>"><%
System.out.println(teachers.getTeachersName());
out.println(teachers.getTeachersName());%></option>
        <%} %>
</select>
<br>
        <input type="submit" value="submit">
</form>
<%transaction.commit();
s1.close();
%>

</div>
</body>
</html>

```

```

<%@page import="java.io.PrintWriter"%>
<%@page import="org.hibernate.cfg.Configuration"%>
<%@page import="java.sql.ResultSet"%>
<%@page import="java.sql.PreparedStatement"%>
<%@page import="java.sql.DriverManager"%>
<%@page import="java.sql.Connection"%>
<%@page import="java.util.ArrayList"%>
<%@page import="Entities.Subject"%>
<%@page import="java.util.List"%>
<%@page import="org.hibernate.query.Query"%>
<%@page import="org.hibernate.Session"%>

```

```

<%@page import="org.hibernate.Transaction"%>
<%@page import="Hibernate.HibernateUtil"%>
<%@page import="org.hibernate.SessionFactory"%>
<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c" %><%@ page language="java"
contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<link rel="stylesheet" href="css/New1.css">
<meta charset="ISO-8859-1">
<title>Edit Subject</title>
</head>
<body>
<jsp:include page="bar.jsp" />
<div class="center">
<h3>Subject</h3>
<%

```

```

Configuration cfg= new Configuration().addAnnotatedClass(Subject.class);
cfg.configure();
SessionFactory factory= cfg.buildSessionFactory();
Session s1=factory.openSession();
Transaction transaction= s1.beginTransaction();

```

```

String hql="from Subject";
Query query=s1.createQuery(hql);
List<Subject> results=query.list();
%>

```

```

<%int subjectId=Integer.parseInt(request.getParameter("subject_id").trim());
Subject subject= s1.get(Subject.class,subjectId);
%>
<form action="UpdateServlet" method="post" >
<br> <div class="txt_field">
    <input type="hidden" name="id" value="<%=subject.getId()%>">
    <input type="text" name="subjectName" value="<%=subject.getSubjectName()%>"
required>
    <span></span>

```

```
        </div>
        <input type="submit" Value="Submit">

</form>
</div>
</body>
</html>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link rel="stylesheet" href="css/New1.css">
    <title>Index</title>
</head>
<body>

    <div class="center">
        <h3>Login</h3>
        <form action="Login" method="post">
            <div class="txt_field">
                <input type="text" name="username" required>
                <span></span>
                <label>Username</label>
            </div>
            <div class="txt_field">
                <input type="password" name="password" required>
                <span></span>
                <label>Password</label>
            </div>
            <input type="submit" value="Login">

        </form>
    </div>
</body>
</html>
```

```

<%@page import="java.io.PrintWriter"%>
<%@page import="org.hibernate.cfg.Configuration"%>
<%@page import="java.sql.ResultSet"%>
<%@page import="java.sql.PreparedStatement"%>
<%@page import="java.sql.DriverManager"%>
<%@page import="java.sql.Connection"%>
<%@page import="java.util.ArrayList"%>
<%@page import="Entities.Subject"%>
<%@page import="java.util.List"%>
<%@page import="org.hibernate.query.Query"%>
<%@page import="org.hibernate.Session"%>
<%@page import="org.hibernate.Transaction"%>
<%@page import="Hibernate.HibernateUtil"%>
<%@page import="org.hibernate.SessionFactory"%>
<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c" %>
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<link rel="stylesheet" href="css/New.css">
<meta charset="ISO-8859-1">
<title>Subject List</title>
</head>
<body>
<jsp:include page="bar.jsp" />
<div class="center">
<h3>Subject List</h3>
<%

```

```

Configuration cfg= new Configuration().addAnnotatedClass(Subject.class);
cfg.configure();
SessionFactory factory= cfg.buildSessionFactory();
Session s1=factory.openSession();
Transaction transaction= s1.beginTransaction();

String hql="from Subject";
Query query=s1.createQuery(hql);
List<Subject> results=query.list();

```

%>

<div align="center">

<h4></h4></div>

<div style="padding-left:10%; padding-right:10%">

<table class="table table-striped" >

<tr>

<th nowrap>Subject Name</th>

<th nowrap>Edit</th>

<th nowrap>Delete</th>

</tr>

<% for(Subject subject:results) {%>

<tr>

<td><% System.out.println(subject.getSubjectName());
out.println(subject.getSubjectName());%></td>

<%int Id = subject.getId(); %>

<td width="20%"><a href="edit.jsp?subject_id=<%=
subject.getId()%>"></td>

<td width=20%"><a href="DeleteServlet?subject_id=<%=
subject.getId()%>"></td>
</tr>

<%} %>

<%

transaction.commit();

s1.close();

%>

</table>

</div>

</div>

</body>

</html>


```

<%@page import="Entities.Student"%>
<%@page import="Entities.Classes"%>
<%@page import="java.io.PrintWriter"%>
<%@page import="org.hibernate.cfg.Configuration"%>
<%@page import="java.sql.ResultSet"%>
<%@page import="java.sql.PreparedStatement"%>
<%@page import="java.sql.DriverManager"%>
<%@page import="java.sql.Connection"%>
<%@page import="java.util.ArrayList"%>
<%@page import="Entities.Subject"%>
<%@page import="java.util.List"%>
<%@page import="org.hibernate.query.Query"%>
<%@page import="org.hibernate.Session"%>
<%@page import="org.hibernate.Transaction"%>
<%@page import="Hibernate.HibernateUtil"%>
<%@page import="org.hibernate.SessionFactory"%>
<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c" %>
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<link rel="stylesheet" href="css/New.css">
<meta charset="ISO-8859-1">
<title>Students List</title>
</head>
<body>
<jsp:include page="bar.jsp" />
<div class="center">
<h3>Students List</h3>
<%
Configuration cfg= new
Configuration().addAnnotatedClass(Student.class).addAnnotatedClass(Classes.class);
cfg.configure();
SessionFactory factory= cfg.buildSessionFactory();
Session s1=factory.openSession();
Transaction transaction= s1.beginTransaction();

String hql="from Student";

```

```
String hql1="from Classes";
Query query=s1.createQuery(hql);
Query query1=s1.createQuery(hql1);
List<Student> results=query.list();
List<Classes> results1=query1.list();
%>
<div align="center">

<h4 margin-top="5px"><a href="addStudent.jsp"></a></h4> </div>
```

```
<div style="padding-left:10%; padding-right:10%">
<table class="table table-striped">
  <tr>
    <th nowrap>First Name</th>
    <th nowrap>Last Name</th>
    <th nowrap>Gender</th>
    <th nowrap>Class Name</th>

    <th nowrap>Delete</th>

  </tr>
  <% for(Student student:results) {%>

    <tr>
      <td><% System.out.println(student.getfName());
out.println(student.getfName());%></td>
      <td><% System.out.println(student.getlName());
out.println(student.getlName());%></td>
      <td><% System.out.println(student.getGender());
out.println(student.getGender());%></td>
      <td><%
System.out.println(student.getClasses().getClassName());
out.println(student.getClasses().getClassName());%></td>

      <%int Id = student.getId(); %>

      <td ><a href="StudentDelete?student_id=<%= student.getId()%>"></a></td>
</tr>
```

```
<%} %>
```

```
<%
transaction.commit();
s1.close();
%>
</table>
</div>
<br>
```

```
</div>
</body>
</html>
```

```
<%@page import="Entities.Teachers"%>
<%@page import="java.io.PrintWriter"%>
<%@page import="org.hibernate.cfg.Configuration"%>
<%@page import="java.sql.ResultSet"%>
<%@page import="java.sql.PreparedStatement"%>
<%@page import="java.sql.DriverManager"%>
<%@page import="java.sql.Connection"%>
<%@page import="java.util.ArrayList"%>
<%@page import="Entities.Subject"%>
<%@page import="java.util.List"%>
<%@page import="org.hibernate.query.Query"%>
<%@page import="org.hibernate.Session"%>
<%@page import="org.hibernate.Transaction"%>
<%@page import="Hibernate.HibernateUtil"%>
<%@page import="org.hibernate.SessionFactory"%>
<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c" %><%@ page language="java"
contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
```

```
<link rel="stylesheet" href="css/New1.css">
<meta charset="ISO-8859-1">
<title>Teacher Edit</title>
</head>
<body>
<jsp:include page="bar.jsp" />
<div class="center">
<h3>Subject</h3>
<%
```

```
Configuration cfg= new Configuration().addAnnotatedClass(Teachers.class);
cfg.configure();
SessionFactory factory= cfg.buildSessionFactory();
Session s1=factory.openSession();
Transaction transaction= s1.beginTransaction();
```

```
String hql="from Teachers";
Query query=s1.createQuery(hql);
List<Teachers> results=query.list();
%>
```

```
<%int teachersId=Integer.parseInt(request.getParameter("teachers_id").trim());
Teachers teachers= s1.get(Teachers.class,teachersId);
%>
```

```
<form action="TeacherUpdate" method="post" >
<br> <div class="txt_field">
    <input type="hidden" name="id" value="<%=teachers.getId()%>">
    <input type="text" name="teachersName" value="<%=teachers.getTeachersName()%>"
required>
    <span></span>
</div>
<input type="submit" Value="Submit">
```

```
</form>
</div>
</body>
</html>
```

```

<%@page import="Entities.Classes"%>
<%@page import="Entities.Teachers"%>
<%@page import="java.io.PrintWriter"%>
<%@page import="org.hibernate.cfg.Configuration"%>
<%@page import="java.sql.ResultSet"%>
<%@page import="java.sql.PreparedStatement"%>
<%@page import="java.sql.DriverManager"%>
<%@page import="java.sql.Connection"%>
<%@page import="java.util.ArrayList"%>
<%@page import="Entities.Subject"%>
<%@page import="java.util.List"%>
<%@page import="org.hibernate.query.Query"%>
<%@page import="org.hibernate.Session"%>
<%@page import="org.hibernate.Transaction"%>
<%@page import="Hibernate.HibernateUtil"%>
<%@page import="org.hibernate.SessionFactory"%>
<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c" %>
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<link rel="stylesheet" href="css/New.css">
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<jsp:include page="bar.jsp" />
<div class="center">
<h3>Teachers List</h3>
<%

```

```

Configuration cfg= new Configuration().addAnnotatedClass(Teachers.class);
cfg.configure();
SessionFactory factory= cfg.buildSessionFactory();
Session s1=factory.openSession();
Transaction transaction= s1.beginTransaction();

String hql="from Teachers";

```

```

Query query=s1.createQuery(hql);
List<Teachers> results=query.list();
%>
<div align="center">

<h4><a href="addTeachers.jsp"></a></h4>
</div>

<div style="padding-left:10%; padding-right:10%">
<table class="table table-striped">
  <tr>
    <th nowrap>Teacher Name</th>
    <th nowrap>Edit</th>
    <th nowrap>Delete</th>
  </tr>
  <% for(Teachers teachers:results) {%>

    <tr>
      <td><% System.out.println(teachers.getTeachersName());
                        out.println(teachers.getTeachersName());%></td>

                        <%int Id = teachers.getId(); %>

                        <td width="20%"><a href="teacheredit.jsp?teachers_id=<%=
teachers.getId()%>"></a></td>
                        <td width="20%"><a href="TeacherDelete?teachers_id=<%=
teachers.getId()%>"></a></td>
    </tr>

    <%} %>
  <%
transaction.commit();
s1.close();
%>
  </table>
</div>

<br>

```

```
</div>  
</body>  
</html>
```

