**Classes.java**

package com.bean;

import java.util.List;

import javax.persistence.CascadeType;

import javax.persistence.Entity;

import javax.persistence.GeneratedValue;

import javax.persistence.Id;

import javax.persistence.JoinColumn;

import javax.persistence.OneToMany;

@Entity

public class Classes {

@Id

@GeneratedValue

private int cid;

private String cname;

@OneToMany(cascade=CascadeType.ALL,mappedBy="classes")

private List<Students> listOfStu;

@OneToMany(cascade=CascadeType.ALL,mappedBy="classes")

private List<Subjects> listOfSub;

public int getCid() {

return cid;

}

public void setCid(int cid) {

this.cid = cid;

}

public String getCname() {

return cname;

}

public void setCname(String cname) {

this.cname = cname;

}

public List<Students> getListOfStu() {

return listOfStu;

}

public void setListOfStu(List<Students> listOfStu) {

this.listOfStu = listOfStu;

}

public List<Subjects> getListOfSub() {

return listOfSub;

}

public void setListOfSub(List<Subjects> listOfSub) {

this.listOfSub = listOfSub;

}

@Override

public String toString() {

return "Classes [cid=" + cid + ", cname=" + cname + ", listOfStu=" + listOfStu + ", listOfSub=" + listOfSub + "]";

}

}

**Login.java**

**package** com.bean;

**public** **class** Login {

**private** String email;

**private** String password;

**public** String getEmail() {

**return** email;

}

**public** **void** setEmail(String email) {

**this**.email = email;

}

**public** String getPassword() {

**return** password;

}

**public** **void** setPassword(String password) {

**this**.password = password;

}

}

**Students.java**

package com.bean;

import javax.persistence.CascadeType;

import javax.persistence.Entity;

import javax.persistence.GeneratedValue;

import javax.persistence.Id;

import javax.persistence.JoinColumn;

import javax.persistence.ManyToOne;

@Entity

public class Students {

@Id

@GeneratedValue

private int stid;

private String fname;

private String lname;

@ManyToOne(cascade=CascadeType.ALL)

@JoinColumn(name="cid")

private Classes classes;

public int getStid() {

return stid;

}

public void setStid(int stid) {

this.stid = stid;

}

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 Classes getClasses() {

return classes;

}

public void setClasses(Classes classes) {

this.classes = classes;

}

@Override

public String toString() {

return "Students [stid=" + stid + ",fname=" + fname + ", lname=" + lname + ", classes="

+ classes + "]";

}

}

**Subjects.java**

package com.bean;

import javax.persistence.CascadeType;

import javax.persistence.Entity;

import javax.persistence.GeneratedValue;

import javax.persistence.Id;

import javax.persistence.JoinColumn;

import javax.persistence.ManyToOne;

@Entity

public class Subjects {

@Id

@GeneratedValue

private int suid;

private String suname;

@ManyToOne(cascade= CascadeType.ALL)

@JoinColumn(name="tid")

private Teachers teachers;

@ManyToOne(cascade=CascadeType.ALL)

@JoinColumn(name="cid")

private Classes classes;

public int getSuid() {

return suid;

}

public void setSuid(int suid) {

this.suid = suid;

}

public String getSuname() {

return suname;

}

public void setSuname(String suname) {

this.suname = suname;

}

public Teachers getTeachers() {

return teachers;

}

public void setTeachers(Teachers teachers) {

this.teachers = teachers;

}

public Classes getClasses() {

return classes;

}

public void setClasses(Classes classes) {

this.classes = classes;

}

@Override

public String toString() {

return "Subjects [suid=" + suid + ", suname=" + suname + ", teachers=" + teachers + ", classes=" + classes

+ "]";

}

}

**Teachers.java**

package com.bean;

import java.util.List;

import javax.persistence.CascadeType;

import javax.persistence.Entity;

import javax.persistence.GeneratedValue;

import javax.persistence.Id;

import javax.persistence.OneToMany;

@Entity

public class Teachers {

@Id

@GeneratedValue

private int tid;

private String tname;

@OneToMany(cascade=CascadeType.ALL, mappedBy="teachers")

private List<Subjects> listofSub;

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 List<Subjects> getListofSub() {

return listofSub;

}

public void setListofSub(List<Subjects> listofSub) {

this.listofSub = listofSub;

}

@Override

public String toString() {

return "Teachers [tid=" + tid + ", tname=" + tname + ", listofSub=" + listofSub + "]";

}

}

**SQL:-**

**AssignmentController.java**

package com.controller;

import java.io.IOException;

import java.io.PrintWriter;

import java.util.List;

import javax.servlet.RequestDispatcher;

import javax.servlet.ServletException;

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.cfg.Configuration;

import org.hibernate.query.Query;

import com.bean.Classes;

import com.bean.Students;

/\*\*

\* Servlet implementation class AssignStudentController

\*/

public class AssignStudentController extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public AssignStudentController() {

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 {

// TODO Auto-generated method stub

//doGet(request, response);

response.setContentType("text/html");

PrintWriter pw = response.getWriter();

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

String[] nameList = name.split(" ");

String classes = request.getParameter("class");

Configuration con = new Configuration();

con.configure("hibernate.cfg.xml");

SessionFactory sf =con.buildSessionFactory();

Session session = sf.openSession();

Transaction t= session.beginTransaction();

String hql\_classes= "from Classes where cname='" + classes + "'";

List<Classes> clas = session.createQuery(hql\_classes).list();

String hql\_student = "update Students s set s.classes=:n where s.fname=:sn and s.lname=:fn";

Query<Students> query = session.createQuery(hql\_student);

query.setParameter("n", clas.get(0));

query.setParameter("sn", nameList[0]);

query.setParameter("fn", nameList[1]);

query.executeUpdate();

t.commit();

session.close();

RequestDispatcher dispatcher = getServletContext().getRequestDispatcher("/viewStudent.jsp");

dispatcher.forward(request, response);

}

}

**AssignSubjectController.java**

package com.controller;

import java.io.IOException;

import java.io.PrintWriter;

import java.util.List;

import javax.servlet.RequestDispatcher;

import javax.servlet.ServletException;

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.cfg.Configuration;

import org.hibernate.query.Query;

import com.bean.Subjects;

import com.bean.Classes;

/\*\*

\* Servlet implementation class AssignSubjectController

\*/

public class AssignSubjectController extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public AssignSubjectController() {

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 {

// TODO Auto-generated method stub

//doGet(request, response);

response.setContentType("text/html");

PrintWriter pw = response.getWriter();

String clas = request.getParameter("class");

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

Configuration con = new Configuration();

con.configure("hibernate.cfg.xml");

SessionFactory sf =con.buildSessionFactory();

Session session = sf.openSession();

Transaction t= session.beginTransaction();

String hql\_clas= "from Classes where cname='" + clas + "'";

List<Classes> classes = session.createQuery(hql\_clas).list();

String hql\_subject = "update Subjects s set s.classes=:n where s.suname=:sn";

Query<Subjects> query = session.createQuery(hql\_subject);

query.setParameter("n", classes.get(0));

query.setParameter("sn", subject);

query.executeUpdate();

t.commit();

session.close();

RequestDispatcher dispatcher = getServletContext().getRequestDispatcher("/viewClass.jsp");

dispatcher.forward(request, response);

}

}

**AssignTeacherController.java**

package com.controller;

import java.io.IOException;

import java.util.List;

import javax.servlet.RequestDispatcher;

import javax.servlet.ServletException;

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.cfg.Configuration;

import org.hibernate.query.Query;

import com.bean.Subjects;

import com.bean.Teachers;

/\*\*

\* Servlet implementation class AssignTeacherController

\*/

public class AssignTeacherController extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public AssignTeacherController() {

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 {

// TODO Auto-generated method stub

//doGet(request, response);

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

String[] nameArray = name.split(" ");

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

Configuration con = new Configuration();

con.configure("hibernate.cfg.xml");

SessionFactory sf = con.buildSessionFactory();

Session session=sf.openSession();

Transaction t= session.beginTransaction();

String hql\_teacher= "from Teachers where tname='" + name + "'";

List<Teachers> teachers = session.createQuery(hql\_teacher).list();

String hql\_subject = "update Subjects s set s.teachers=:n where s.suname=:sn";

Query<Subjects> query = session.createQuery(hql\_subject);

query.setParameter("n", teachers.get(0));

query.setParameter("sn", subject);

query.executeUpdate();

t.commit();

session.close();

RequestDispatcher dispatcher = getServletContext().getRequestDispatcher("/viewTeacher.jsp");

dispatcher.forward(request, response);

}

}

package com.controller;

import java.io.IOException;

import java.io.PrintWriter;

import javax.servlet.RequestDispatcher;

import javax.servlet.ServletException;

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.cfg.Configuration;

import com.bean.Classes;

/\*\*

\* Servlet implementation class ClassController

\*/

public class ClassController extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public ClassController() {

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 {

// TODO Auto-generated method stub

//doGet(request, response);

response.setContentType("text/html");

PrintWriter pw = response.getWriter();

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

Configuration con = new Configuration();

con.configure("hibernate.cfg.xml");

SessionFactory sf = con.buildSessionFactory();

Session session=sf.openSession();

Transaction t= session.beginTransaction();

Classes classes = new Classes();

classes.setCname(cname);

session.save(classes);

t.commit();

session.close();

RequestDispatcher dispatcher = getServletContext().getRequestDispatcher("/viewClass.jsp");

dispatcher.forward(request, response);

}

}

package com.controller;

import java.io.IOException;

import java.io.PrintWriter;

import javax.servlet.RequestDispatcher;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.HttpSession;

import com.bean.Login;

import com.service.LoginService;

/\*\*

\* Servlet implementation class LoginController

\*/

public class LoginController extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public LoginController() {

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 {

// TODO Auto-generated method stub

//doGet(request, response);

PrintWriter pw = response.getWriter();

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

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

response.setContentType("text/html");

Login ll = new Login();

ll.setEmail(email);

ll.setPassword(password);

HttpSession hs = request.getSession();

RequestDispatcher rd = request.getRequestDispatcher("index.jsp");

LoginService ls = new LoginService();

String result = ls.checkLoginDails(ll);

if(result.equals("success")) {

hs.setAttribute("obj", email);

response.sendRedirect("Home.jsp");

}else {

pw.println("failure try once again");

rd.include(request, response);

}

}

}

package com.controller;

import java.io.IOException;

import java.io.PrintWriter;

import javax.servlet.RequestDispatcher;

import javax.servlet.ServletException;

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.cfg.Configuration;

import com.bean.Students;

/\*\*

\* Servlet implementation class StudentController

\*/

public class StudentController extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public StudentController() {

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 {

// TODO Auto-generated method stub

//doGet(request, response);

response.setContentType("text/html");

PrintWriter pw = response.getWriter();

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

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

Configuration con = new Configuration();

con.configure("hibernate.cfg.xml");

SessionFactory sf = con.buildSessionFactory();

Session session=sf.openSession();

Transaction t= session.beginTransaction();

Students student=new Students();

student.setFname(fname);

student.setLname(lname);

session.save(student);

t.commit();

session.close();

RequestDispatcher dispatcher = getServletContext().getRequestDispatcher("/viewStudent.jsp");

dispatcher.forward(request, response);

}

}

package com.controller;

import java.io.IOException;

import java.io.PrintWriter;

import javax.servlet.RequestDispatcher;

import javax.servlet.ServletException;

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.cfg.Configuration;

import com.bean.Subjects;

/\*\*

\* Servlet implementation class SubjectController

\*/

public class SubjectController extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public SubjectController() {

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 {

// TODO Auto-generated method stub

//doGet(request, response);

response.setContentType("text/html");

PrintWriter pw = response.getWriter();

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

Configuration con = new Configuration();

con.configure("hibernate.cfg.xml");

SessionFactory sf = con.buildSessionFactory();

Session session=sf.openSession();

Transaction t= session.beginTransaction();

Subjects subject=new Subjects();

subject.setSuname(suname);

session.save(subject);

t.commit();

session.close();

RequestDispatcher dispatcher = getServletContext().getRequestDispatcher("/viewSubject.jsp");

dispatcher.forward(request, response);

}

}

package com.controller;

import java.io.IOException;

import java.io.PrintWriter;

import javax.servlet.RequestDispatcher;

import javax.servlet.ServletException;

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.cfg.Configuration;

import com.bean.Teachers;

/\*\*

\* Servlet implementation class TeacherController

\*/

public class TeacherController extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public TeacherController() {

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 {

// TODO Auto-generated method stub

//doGet(request, response);

response.setContentType("text/html");

PrintWriter pw = response.getWriter();

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

Configuration con = new Configuration();

con.configure("hibernate.cfg.xml");

SessionFactory sf = con.buildSessionFactory();

Session session=sf.openSession();

Transaction t= session.beginTransaction();

Teachers teacher =new Teachers();

teacher.setTname(tname);

session.save(teacher);

t.commit();

session.close();

RequestDispatcher dispatcher = getServletContext().getRequestDispatcher("/viewTeacher.jsp");

dispatcher.forward(request, response);

}

}

**Index.html**

<!DOCTYPE html>

<html>

<head>

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

<title>Insert title here</title>

</head>

<body>

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

<h1>ADMIN LOGIN</h1>

<label>Email-Id</label>

<input type=*"email"*name=*"email"*><br/>

<label>Password</label>

<input type=*"password"*name=*"password"*><br/>

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

<input type=*"reset"* value=*"reset"*><br/>

</form>

</body>

</html>

**JSP.Files**

<%@page import=*"com.bean.Classes"*%>

<%@page import=*"org.hibernate.cfg.Configuration"* %>

<%@page import=*"org.hibernate.SessionFactory"*%>

<%@page import=*"org.hibernate.Session"*%>

<%@page import=*"java.util.List"*%>

<%@page import=*"com.bean.Students"*%>

<%@ 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"*>Back to Home Page</a><br>

<h1>Assign a Student to a Class</h1>

<%

Configuration con = **new** Configuration();

con.configure("hibernate.cfg.xml");

SessionFactory sf = con.buildSessionFactory();

Session hibernateSession = sf.openSession();

List<Students> listOfStd = hibernateSession.createQuery("from Students").list();

List<Classes> classes = hibernateSession.createQuery("from Classes").list();

%>

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

<table>

<tr>

<th>Student Name </th>

<th>Class Name </th>

</tr>

<tr>

<td>

<select name=*"name"*>

<%

**for** (Students student : listOfStd){

out.print("<option>" + student.getFname() + " " + student.getLname());

out.print("</option>");

}

%>

</select>

</td>

<td>

<select name=*"class"*>

<%

**for** (Classes clas : classes){

out.print("<option>" + clas.getCname());

out.print("</option>");

}

%>

</select>

</td>

</tr>

</table>

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

</form>

</body>

</html>

<%@page import=*"com.bean.Subjects"*%>

<%@page import=*"java.util.List"*%>

<%@page import=*"org.hibernate.Session"*%>

<%@page import=*"org.hibernate.cfg.Configuration"* %>

<%@page import=*"org.hibernate.SessionFactory"*%>

<%@page import=*"com.bean.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"*>Back to Home Page</a><br>

<h1>Assign a Subject to a Class</h1>

<%

Configuration con = **new** Configuration();

con.configure("hibernate.cfg.xml");

SessionFactory sf = con.buildSessionFactory();

Session hibernateSession = sf.openSession();

List<Classes> classes = hibernateSession.createQuery("from Classes").list();

List<Subjects> listOfSub = hibernateSession.createQuery("from Subjects").list();

%>

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

<table>

<tr>

<th>Class Name </th>

<th>Subject Name </th>

</tr>

<tr>

<td>

<select name=*"class"*>

<%

**for** (Classes clas : classes){

out.print("<option>" + clas.getCname());

out.print("</option>");

}

%>

</select>

</td>

<td>

<select name=*"subject"*>

<%

**for** (Subjects subject : listOfSub){

out.print("<option>" + subject.getSuname());

out.print("</option>");

}

%>

</select>

</td>

</tr>

</table>

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

</form>

</body>

</html>

<%@page import=*"com.bean.Students"*%>

<%@page import=*"com.bean.Subjects"*%>

<%@page import=*"com.bean.Teachers"*%>

<%@page import=*"java.util.List"*%>

<%@page import=*"org.hibernate.Session"*%>

<%@page import=*"org.hibernate.cfg.Configuration"* %>

<%@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"*>

<title>Insert title here</title>

</head>

<body>

<a href=*"Home.jsp"*>Back to Home Page</a><br>

<h1>Assign a Teacher to a Subject</h1>

<%

Configuration con = **new** Configuration();

con.configure("hibernate.cfg.xml");

SessionFactory sf = con.buildSessionFactory();

Session hibernateSession = sf.openSession();

List<Teachers> teachers = hibernateSession.createQuery("from Teachers").list();

List<Subjects> subjects = hibernateSession.createQuery("from Subjects").list();

%>

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

<table>

<tr>

<th>Teacher Name </th>

<th>Subject Name </th>

</tr>

<tr>

<td>

<select name=*"name"*>

<%

**for** (Teachers teacher : teachers){

out.print("<option>" + teacher.getTname());

out.print("</option>");

}

%>

</select>

</td>

<td>

<select name=*"subject"*>

<%

**for** (Subjects subject : subjects){

out.print("<option>" + subject.getSuname());

out.print("</option>");

}

%>

</select>

</td>

</tr>

</table>

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

</form>

</body>

</html>

<%@page import=*"com.bean.Teachers"*%>

<%@page import=*"com.bean.Subjects"*%>

<%@page import=*"com.bean.Classes"*%>

<%@page import=*"java.util.List"*%>

<%@page import=*"org.hibernate.Session"*%>

<%@page import=*"org.hibernate.cfg.Configuration"* %>

<%@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"*>

<title>Insert title here</title>

</head>

<body>

<a href=*"Home.jsp"*>Back to Home Page</a><br>

</body>

<h1>Choose a Class for Report Page</h1>

<%

Configuration con = **new** Configuration();

con.configure("hibernate.cfg.xml");

SessionFactory sf = con.buildSessionFactory();

Session hibernateSession = sf.openSession();

List<Classes> classes = hibernateSession.createQuery("from Classes").list();

%>

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

<table>

<tr>

<th>Class Name </th>

</tr>

<tr>

<td>

<select name=*"class"*>

<%

**for** (Classes clas : classes){

out.print("<option>" + clas.getCname());

out.print("</option>");

}

%>

</select>

</td>

</tr>

</table>

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

</html>

<%@page import=*"com.bean.Teachers"*%>

<%@page import=*"com.bean.Subjects"*%>

<%@page import=*"com.bean.Classes"*%>

<%@page import=*"java.util.List"*%>

<%@page import=*"org.hibernate.Session"*%>

<%@page import=*"org.hibernate.cfg.Configuration"* %>

<%@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"*>

<title>Insert title here</title>

</head>

<body>

<a href=*"Home.jsp"*>Back to Home Page</a><br>

</body>

<h1>Choose a Class for Report Page</h1>

<%

Configuration con = **new** Configuration();

con.configure("hibernate.cfg.xml");

SessionFactory sf = con.buildSessionFactory();

Session hibernateSession = sf.openSession();

List<Classes> classes = hibernateSession.createQuery("from Classes").list();

%>

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

<table>

<tr>

<th>Class Name </th>

</tr>

<tr>

<td>

<select name=*"class"*>

<%

**for** (Classes clas : classes){

out.print("<option>" + clas.getCname());

out.print("</option>");

}

%>

</select>

</td>

</tr>

</table>

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

</html>

<%@page import=*"com.bean.Subjects"*%>

<%@page import=*"com.bean.Students"*%>

<%@page import=*"com.bean.Teachers"*%>

<%@page import=*"com.bean.Classes"*%>

<%@page import=*"java.util.List"*%>

<%@page import=*"org.hibernate.Session"*%>

<%@page import=*"org.hibernate.cfg.Configuration"* %>

<%@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"*>

<title>Insert title here</title>

</head>

<body>

<a href=*"Home.jsp"*>Back to Home Page</a><br>

<%String clas = request.getParameter("class");%>

<h1>Class Report for <%=clas%></h1>

<%

Configuration con = **new** Configuration();

con.configure("hibernate.cfg.xml");

SessionFactory sf = con.buildSessionFactory();

Session hibernateSession = sf.openSession();

List<Classes> classes = hibernateSession.createQuery("from Classes cl where cl.cname='" + clas + "'").list();

Classes clasForReport = classes.get(0);

%>

<table>

<tr>

<th>Subject Name </th>

<th>Teacher Name </th>

</tr>

<%

**for**(Subjects subject: clasForReport.getListOfSub()){

out.print("<tr>");

out.print("<td>" + subject.getSuname() + "</td>");

out.print("<td>" + getTeacherName(subject) + "</td>");

out.print("</tr>");

}

%>

</table>

<%!

**public** String getTeacherName(Subjects subject){

Teachers teacher = subject.getTeachers();

String name;

String lname;

**if**(teacher != **null**){

name=teacher.getTname();

**return** name;

}**else**{

**return** "No Teacher assigned";

}

}

%>

<table>

<br>

<tr>

<th>Listed Students</th>

</tr>

<%

**for**(Students student : clasForReport.getListOfStu()){

out.print("<tr>");

out.print("<td>" + student.getFname() + " " + student.getLname() + "</td>");

out.print("</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>

<h2>Welcome to Home Page ${sessionScope.obj} </h2>

<%

String name = (String)session.getAttribute("obj");

%>

<a href=*"index.html"*>BACK TO ADMIN LOGIN PAGE</a><br><br>

<table>

<tr>

<th>ADD ITEMS</th>

<th> VIEW ITEMS</th>

</tr>

<tr>

<td><a href=*"storeClass.jsp"*> Add Class</a><br/></td>

<td><a href=*"viewClass.jsp"*> View Classes</a><br/></td>

</tr>

<tr>

<td><a href=*"storeSubject.jsp"*> Add Subject</a><br/></td>

<td><a href=*"viewSubject.jsp"*>View Subjects</a><br/></td>

</tr>

<tr>

<td><a href=*"storeStudent.jsp"*> Add a Student</a><br/></td>

<td><a href=*"viewStudent.jsp"*>View Students</a><br/></td>

</tr>

<tr>

<td><a href=*"storeTeacher.jsp"*> Add Teacher</a><br/></td>

<td><a href=*"viewTeacher.jsp"*>View Teachers</a><br/></td>

</table>

<br>

<h1> Assigned Items</h1>

<a href=*"AssignStutoClass.jsp"*>Assign Student to Class</a><br>

<a href=*"AssignSutoClass.jsp"*>Assign Subject to Class</a><br>

<a href=*"AssignTeactoSubject.jsp"*>Assign Teacher to Class</a><br>

<a href=*"ChooseReport.jsp"*>Choose class for report</a><br>

</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>

<h1>Add Class</h1>

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

<label>Class Name:</label><br>

<input type=*"text"* id=*"cname"* name=*"cname"*><br>

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

</form>

</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>

<h1>Add Student</h1>

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

<label> First Name</label><br>

<input type=*"text"* id=*"fname"* name=*"fname"*><br>

<label >Last Name</label><br>

<input type=*"text"* id=*"lname"* name=*"lname"*><br>

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

</form>

</body>

</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>

<h1>Add Subject</h1>

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

<label>Subject Name:</label><br>

<input type=*"text"* id=*"suname"* name=*"suname"*><br>

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

</form>

</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>

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

<label >Teacher-Name:</label><br>

<input type=*"text"* id=*"tname"* name=*"tname"*><br>

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

</form>

</body>

</html>

<%@page import=*"com.bean.Subjects"*%>

<%@page import=*"org.hibernate.Session"*%>

<%@page import=*"com.bean.Classes"*%>

<%@page import=*"java.util.List"*%>

<%@page import=*"org.hibernate.cfg.Configuration"* %>

<%@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"*>

<title>Insert title here</title>

</head>

<body>

<a href=*"Home.jsp"*>Back to Home Page</a><br>

<a href=*"storeClass.jsp"*>Add Class</a><br>

<h1>Classes are listed below:-</h1>

<%

Configuration con = **new** Configuration();

con.configure("hibernate.cfg.xml");

SessionFactory sf = con.buildSessionFactory();

Session hibernateSession = sf.openSession();

List<Classes> classes = hibernateSession.createQuery("from Classes").list();

%>

<table>

<tr>

<th>Class Name </th>

<th>Subject Name</th>

</tr>

<%

**for**(Classes clas : classes){

out.print("<tr>");

out.print("<td>" + clas.getCname() + "</td>");

StringBuffer buf = **new** StringBuffer();

**boolean** first = **true**;

**for** (Subjects subject : clas.getListOfSub()){

**if**(first== **true**){

buf.append("<td>" + subject.getSuname() + "</td>");

buf.append("</tr>");

first = **false**;

}**else**{

buf.append("<tr><td></td>");

buf.append("<td>" + subject.getSuname() + "</td>");

buf.append("</tr>");

}

}

out.print(buf.toString());

}

%>

</table>

</body>

</html>

<%@page import=*"com.bean.Students"*%>

<%@page import=*"java.util.List"*%>

<%@page import=*"org.hibernate.Session"*%>

<%@page import=*"org.hibernate.cfg.Configuration"* %>

<%@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"*>

<title>Insert title here</title>

</head>

<body>

<a href=*"Home.jsp"*>Back to Home Page</a><br>

<a href=*"storeStudent.jsp"*>Add Student</a><br>

<a href=*"AssignStutoClass.jsp"*>Assign Student</a>

<h1>The Students list</h1>

<%

Configuration con = **new** Configuration();

con.configure("hibernate.cfg.xml");

SessionFactory sf = con.buildSessionFactory();

Session hibernateSession = sf.openSession();

List<Students> listOfStu = hibernateSession.createQuery("from Students").list();

%>

<table>

<tr>

<th>Name </th>

<th>Last Name </th>

<th>Assigned Class </th>

</tr>

<%

**for**(Students student : listOfStu){

out.print("<tr>");

out.print("<td>" + student.getFname() + "</td>");

out.print("<td>" + student.getLname() + "</td>");

out.print("<td>" + getClassName(student) + "</td>");

out.print("</tr>");

}

%>

</table>

<%!

**public** String getClassName(Students student){

**if** (student.getClasses() == **null**){

**return** "no class assigned";

}

**else**{

**return** student.getClasses().getCname();

}

}

%>

<%@page import=*"com.bean.Subjects"*%>

<%@page import=*"java.util.List"*%>

<%@page import=*"org.hibernate.Session"*%>

<%@page import=*"org.hibernate.cfg.Configuration"* %>

<%@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"*>

<title>Insert title here</title>

</head>

<body>

<a href=*"index.html"*>Back to Main Menu</a><br>

<a href=*"storeSubject.jsp"*>Add Subject</a><br>

<a href=*"AssignSutoClass.jsp"*>Assign Subject to a class</a>

<h1>The Following Subjects are listed</h1>

<%

Configuration con = **new** Configuration();

con.configure("hibernate.cfg.xml");

SessionFactory sf = con.buildSessionFactory();

Session hibernateSession = sf.openSession();

List<Subjects> listOfSub = hibernateSession.createQuery("from Subjects").list();

%>

<table>

<tr>

<th>Subject Name </th>

</tr>

<%

**for**(Subjects subject : listOfSub){

out.print("<tr>");

out.print("<td>" + subject.getSuname() + "</td>");

out.print("</tr>");

}

%>

</table>

</body>

</html>

<%@page import=*"com.bean.Teachers"*%>

<%@page import=*"com.bean.Subjects"*%>

<%@page import=*"java.util.List"*%>

<%@page import=*"org.hibernate.Session"*%>

<%@page import=*"org.hibernate.cfg.Configuration"* %>

<%@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"*>

<title>Insert title here</title>

</head>

<body>

<a href=*"Home.jsp"*>Back to Home Page</a><br>

<a href=*"storeTeacher.jsp"*>Add Teacher</a><br>

<a href=*"AssignTeactoSubject.jsp"*>Assign Teacher to Subject</a><br>

</body>

</html>

<h1>Teachers list</h1>

<%

Configuration con = **new** Configuration();

con.configure("hibernate.cfg.xml");

SessionFactory sf = con.buildSessionFactory();

Session hibernateSession = sf.openSession();

List<Teachers> teachers = hibernateSession.createQuery("from Teachers").list();

%>

<table>

<tr>

<th>TeachersName </th>

<th>Assigned Class</th>

</tr>

<%

**for**(Teachers teacher : teachers){

out.print("<tr>");

out.print("<td>" + teacher.getTname() + "</td>");

StringBuffer buf = **new** StringBuffer();

**boolean** first = **true**;

**for** (Subjects subject : teacher.getListofSub()){

**if**(first== **true**){

buf.append("<td>" + subject.getSuname() +"</td>");

buf.append("</tr>");

first = **false**;

}**else**{

buf.append("<tr><td></td><td></td>");

buf.append("<td>" + subject.getSuname() +"</td>");

buf.append("</tr>");

}

}

out.print(buf.toString());

}

%>

</table>

</body>

</html>

**Servide method:-**

**package** com.service;

**import** com.bean.Login;

**public** **class** LoginService {

**public** String checkLoginDails(Login ll) {

**if**(ll.getEmail().equals("admin@gmail.com") && ll.getPassword().equals("123")) {

**return** "success";

}**else** {

**return** "falure";

}

}

}