**DEVELOPING A BACKEND ADMIN FOR LEARNER’S ACADEMY**

**SOURCE CODE**

**Class detail**

**package** AcademyDetails;

**import** javax.persistence.Column;

**import** javax.persistence.Entity;

**import** javax.persistence.GeneratedValue;

**import** javax.persistence.GenerationType;

**import** javax.persistence.Id;

**import** javax.persistence.Table;

@Entity

@Table(name="Class\_Details")

**public** **class** ClassDetails {

@Id

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

@Column(name="Id")

**private** **int** Id;

@Column(name="Class")

**private** String ClassName;

@Column(name="Section")

**private** String ClassSection;

@Column(name="Room\_No")

**private** String ClassRoomNo;

**public** ClassDetails() {}

**public** ClassDetails(String className, String classSection, String classRoomNo) {

ClassName = className;

ClassSection = classSection;

ClassRoomNo = classRoomNo;

}

**public** ClassDetails(**int** id, String className, String classSection, String classRoomNo) {

**super**();

Id = id;

ClassName = className;

ClassSection = classSection;

ClassRoomNo = classRoomNo;

}

**public** **int** getId() {

**return** Id;

}

**public** **void** setId(**int** id) {

Id = id;

}

**public** String getClassName() {

**return** ClassName;

}

**public** **void** setClassName(String className) {

ClassName = className;

}

**public** String getClassSection() {

**return** ClassSection;

}

**public** **void** setClassSection(String classSection) {

ClassSection = classSection;

}

**public** String getClassRoomNo() {

**return** ClassRoomNo;

}

**public** **void** setClassRoomNo(String classRoomNo) {

ClassRoomNo = classRoomNo;

}

@Override

**public** String toString() {

**return** "ClassDetails [Id=" + Id + ", ClassName=" + ClassName + ", ClassSection=" + ClassSection

+ ", ClassRoomNo=" + ClassRoomNo + "]";

}

}

**Student detail**

**package** AcademyDetails;

**import** javax.persistence.Column;

**import** javax.persistence.Entity;

**import** javax.persistence.GeneratedValue;

**import** javax.persistence.GenerationType;

**import** javax.persistence.Id;

**import** javax.persistence.Table;

@Entity

@Table(name="Student\_Details")

**public** **class** StudentDetails {

@Id

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

@Column(name="Id")

**private** **int** Id;

@Column(name="Student\_Name")

**private** String Name;

@Column(name="Roll\_No")

**private** String RollNo;

@Column(name="Class")

**private** String StudentClass;

**public** StudentDetails() {}

**public** StudentDetails(String name, String rollNo, String class1) {

Name = name;

RollNo = rollNo;

StudentClass = class1;

}

**public** StudentDetails(**int** id, String name, String rollNo, String class1) {

**super**();

Id = id;

Name = name;

RollNo = rollNo;

StudentClass = class1;

}

**public** **int** getId() {

**return** Id;

}

**public** **void** setId(**int** id) {

Id = id;

}

**public** String getName() {

**return** Name;

}

**public** **void** setName(String name) {

Name = name;

}

**public** String getRollNo() {

**return** RollNo;

}

**public** **void** setRollNo(String rollNo) {

RollNo = rollNo;

}

**public** String getStudentClass() {

**return** StudentClass;

}

**public** **void** setClass(String class1) {

StudentClass = class1;

}

@Override

**public** String toString() {

**return** "StudentDetails [Id=" + Id + ", Name=" + Name + ", RollNo=" + RollNo + ", Class=" + StudentClass + "]";

}

}

**Subject detail**

**package** AcademyDetails;

**import** javax.persistence.Column;

**import** javax.persistence.Entity;

**import** javax.persistence.GeneratedValue;

**import** javax.persistence.GenerationType;

**import** javax.persistence.Id;

**import** javax.persistence.SequenceGenerator;

**import** javax.persistence.Table;

@Entity

@Table(name="Subject\_Details")

**public** **class** SubjectDetails {

@Id

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

@Column(name="Id")

**private** **int** Id;

@Column(name="Subject\_Name")

**private** String SubjectName;

@Column(name="Subject\_Code")

**private** String SubjectCode;

@Column(name="Subject\_Teacher")

**private** String SubjectTeacher;

**public** SubjectDetails() {}

**public** SubjectDetails(String subjectName, String subjectCode, String subjectTeacher) {

SubjectName = subjectName;

SubjectCode = subjectCode;

SubjectTeacher = subjectTeacher;

}

**public** SubjectDetails(**int** id, String subjectName, String subjectCode, String subjectTeacher) {

**super**();

Id = id;

SubjectName = subjectName;

SubjectCode = subjectCode;

SubjectTeacher = subjectTeacher;

}

**public** **int** getId() {

**return** Id;

}

**public** **void** setId(**int** id) {

Id = id;

}

**public** String getSubjectName() {

**return** SubjectName;

}

**public** **void** setSubjectName(String subjectName) {

SubjectName = subjectName;

}

**public** String getSubjectCode() {

**return** SubjectCode;

}

**public** **void** setSubjectCode(String subjectCode) {

SubjectCode = subjectCode;

}

**public** String getSubjectTeacher() {

**return** SubjectTeacher;

}

**public** **void** setSubjectTeacher(String subjectTeacher) {

SubjectTeacher = subjectTeacher;

}

@Override

**public** String toString() {

**return** "SubjectDetails [Id=" + Id + ", SubjectName=" + SubjectName + ", SubjectCode=" + SubjectCode

+ ", SubjectTeacher=" + SubjectTeacher + "]";

}

}

**Teacherdetail**

**package** AcademyDetails;

**import** javax.persistence.Column;

**import** javax.persistence.Entity;

**import** javax.persistence.GeneratedValue;

**import** javax.persistence.GenerationType;

**import** javax.persistence.Id;

**import** javax.persistence.SequenceGenerator;

**import** javax.persistence.Table;

@Entity

@Table(name="Teacher\_Details")

**public** **class** TeacherDetails {

@Id

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

@Column(name="Id")

**private** **int** Id;

@Column(name="Teacher\_Name")

**private** String Name;

@Column(name="Subject")

**private** String Subject;

@Column(name="Class")

**private** String TeacherClass;

**public** TeacherDetails() {}

**public** TeacherDetails(String name, String subject, String class1) {

Name = name;

Subject = subject;

TeacherClass = class1;

}

**public** TeacherDetails(**int** id, String name, String subject, String class1) {

**super**();

Id = id;

Name = name;

Subject = subject;

TeacherClass = class1;

}

**public** **int** getId() {

**return** Id;

}

**public** **void** setId(**int** id) {

Id = id;

}

**public** String getName() {

**return** Name;

}

**public** **void** setName(String name) {

Name = name;

}

**public** String getSubject() {

**return** Subject;

}

**public** **void** setSubject(String subject) {

Subject = subject;

}

**public** String getTeacherClass() {

**return** TeacherClass;

}

**public** **void** setTeacherClass(String teacherClass) {

TeacherClass = teacherClass;

}

@Override

**public** String toString() {

**return** "TeacherDetails [Id=" + Id + ", Name=" + Name + ", Subject=" + Subject + ", TeacherClass=" + TeacherClass

+ "]";

}

}

**Adminportal**

**package** operation;

**import** java.io.IOException;

**import** java.io.PrintWriter;

**import** javax.servlet.ServletException;

**import** javax.servlet.annotation.WebServlet;

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

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

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

@WebServlet(name = "Adminportal", urlPatterns = { "/Adminportal" })

**public** **class** AdminPortal **extends** HttpServlet {

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

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

response.setContentType("text/html");

request.getRequestDispatcher("adminlogin.html").include(request, response);

}

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

response.setContentType("text/html");

PrintWriter out = response.getWriter();

String Email = request.getParameter("adminemail");

String Password = request.getParameter("adminpassword");

**if**(Email.equals("") && Password.equals("")) {

out.println("<div align='center'><h2 style='color:red'>Mandatory Fields Are Empty</h2>"

+ "<a href='login'>Retry with Valid Cred</a>"

+ "</div>");

}**else** {

**if**(Email.equals("admin@gmail.com") && Password.equals("admin@123")) {

out.println("<div align='center'><h2 style='color:green'>WELCOME TO ADMIN PORTAL!</h2></div>");

request.getRequestDispatcher("admin-page.html").include(request, response);

}**else** {

out.println("<div align='center'><h2 style='color:red'>Invalid Credentials</h2>"

+ "<a href='login'>Retry with Valid Cred</a>"

+ "</div>");

}

}

}

}

**Util.java**

**package** com.util;

**import** org.hibernate.SessionFactory;

**import** org.hibernate.cfg.Configuration;

**import** AcademyDetails.ClassDetails;

**import** AcademyDetails.StudentDetails;

**import** AcademyDetails.SubjectDetails;

**import** AcademyDetails.TeacherDetails;

**public** **class** Util {

**private** **static** SessionFactory *factory*;

**public** **static** SessionFactory buildConnection() {

*factory* = **new** Configuration().configure("hibernate.cfg.xml")

.addAnnotatedClass(StudentDetails.**class**)

.addAnnotatedClass(TeacherDetails.**class**)

.addAnnotatedClass(ClassDetails.**class**)

.addAnnotatedClass(SubjectDetails.**class**)

.buildSessionFactory();

**return** *factory*;

}

}

**ADMINPORTAL**

**package** operation;

**import** java.io.IOException;

**import** java.io.PrintWriter;

**import** javax.servlet.ServletException;

**import** javax.servlet.annotation.WebServlet;

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

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

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

@WebServlet(name = "Adminportal", urlPatterns = { "/Adminportal" })

**public** **class** AdminPortal **extends** HttpServlet {

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

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

response.setContentType("text/html");

request.getRequestDispatcher("adminlogin.html").include(request, response);

}

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

response.setContentType("text/html");

PrintWriter out = response.getWriter();

String Email = request.getParameter("adminemail");

String Password = request.getParameter("adminpassword");

**if**(Email.equals("") && Password.equals("")) {

out.println("<div align='center'><h2 style='color:red'>Mandatory Fields Are Empty</h2>"

+ "<a href='login'>Retry with Valid Cred</a>"

+ "</div>");

}**else** {

**if**(Email.equals("admin@gmail.com") && Password.equals("admin@123")) {

out.println("<div align='center'><h2 style='color:green'>WELCOME TO ADMIN PORTAL!</h2></div>");

request.getRequestDispatcher("admin-page.html").include(request, response);

}**else** {

out.println("<div align='center'><h2 style='color:red'>Invalid Credentials</h2>"

+ "<a href='login'>Retry with Valid Cred</a>"

+ "</div>");

}

}

}

}

**CREATE CLASS**

**package** operation;

**import** java.io.IOException;

**import** java.io.PrintWriter;

**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** com.util.Util;

**import** AcademyDetails.ClassDetails;

@WebServlet("/CreateClass")

**public** **class** CreateClass **extends** HttpServlet {

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

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

response.setContentType("text/html");

request.getRequestDispatcher("add-class.html").include(request, response);

}

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

response.setContentType("text/html");

PrintWriter out = response.getWriter();

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

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

String roomNo = request.getParameter("roomno");

**try** {

SessionFactory factory = Util.*buildConnection*();

Session session = factory.openSession();

ClassDetails classdetails = **new** ClassDetails(name, section, roomNo);

Transaction tx = session.beginTransaction();

session.save(classdetails);

tx.commit();

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

out.println("<div align='center'><h2 style='color:green'>CLASS ADDED SUCCESSFULLY!</h2>"

+ "<a href=''adminportal.html'>RETURN TO MainMenu</a>"

+ "</div>");

}

session.close();

} **catch** (Exception e) {

out.println("<div align='center'><h2 style='color:red'>TRY AGAIN! OPERATION FAILED...</h2>"

+ "<a href=''adminportal.html'>RETURN TO MainMenu</a>"

+ "</div>");

}

}

}

**CREATE STUDENT**

**package** operation;

**import** java.io.IOException;

**import** java.io.PrintWriter;

**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** AcademyDetails.StudentDetails;

**import** com.util.Util;

@WebServlet("/CreateStudent")

**public** **class** CreateStudent **extends** HttpServlet {

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

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

response.setContentType("text/html");

request.getRequestDispatcher("add-student.html").include(request, response);

}

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

response.setContentType("text/html");

PrintWriter out = response.getWriter();

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

String RollNo = request.getParameter("rollno");

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

**try** {

SessionFactory factory = Util.*buildConnection*();

Session session = factory.openSession();

AcademyDetails.StudentDetails studentdetails = **new** AcademyDetails.StudentDetails(name, RollNo, Class);

Transaction tx = session.beginTransaction();

session.save(studentdetails);

tx.commit();

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

out.println("<div align='center'><h2 style='color:green'>STUDENT ADDED SUCCESSFULLY!</h2>"

+ "<a href=''adminportal.html'>RETURN To MainMenu</a>"

+ "</div>");

}

session.close();

} **catch** (Exception e) {

out.println("<div align='center'><h2 style='color:red'>TRY AGAIN! OPERATION FAILED...</h2>"

+ "<a href=''adminportal.html'>RETURN To MainMenu</a>"

+ "</div>");

}

}

}

**CREATE SUBJECT**

**package** operation;

**import** java.io.IOException;

**import** java.io.PrintWriter;

**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** AcademyDetails.StudentDetails;

**import** AcademyDetails.SubjectDetails;

**import** com.util.Util;

@WebServlet("/CreateSubject")

**public** **class** CreateSubject **extends** HttpServlet {

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

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

response.setContentType("text/html");

request.getRequestDispatcher("add-subject.html").include(request, response);

}

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

response.setContentType("text/html");

PrintWriter out = response.getWriter();

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

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

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

**try** {

SessionFactory factory = Util.*buildConnection*();

Session session = factory.openSession();

SubjectDetails subjectdetails = **new** SubjectDetails(name, code, teacher);

Transaction tx = session.beginTransaction();

session.save(subjectdetails);

tx.commit();

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

out.println("<div align='center'><h2 style='color:green'>SUBJECT ADDED SUCCESSFULLY!</h2>"

+ "<a href=''adminportal.html'>RETURN To MainMenu</a>"

+ "</div>");

}

session.close();

} **catch** (Exception e) {

out.println("<div align='center'><h2 style='color:red'>TRY AGAIN! OPERATION FAILED...</h2>"

+ "<a href=''adminportal.html'>RETURN To MainMenu</a>"

+ "</div>");

}

}

}

**CREATE TEACHER**

**package** operation;

**import** java.io.IOException;

**import** java.io.PrintWriter;

**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** com.util.Util;

**import** AcademyDetails.TeacherDetails;

/\*\*

\* Servlet implementation class CreateTeacher

\*/

@WebServlet("/CreateTeacher")

**public** **class** CreateTeacher **extends** HttpServlet {

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

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

response.setContentType("text/html");

request.getRequestDispatcher("add-teacher.html").include(request, response);

}

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

response.setContentType("text/html");

PrintWriter out = response.getWriter();

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

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

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

**try** {

SessionFactory factory = Util.*buildConnection*();

Session session = factory.openSession();

TeacherDetails teacherdetails = **new** TeacherDetails(name, Subject, Class);

Transaction tx = session.beginTransaction();

session.save(teacherdetails);

tx.commit();

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

out.println("<div align='center'><h2 style='color:green'>TEACHER ADDED SUCCESSFULLY!</h2>"

+ "<a href=''adminportal.html'>RETURN To MainMenu</a>"

+ "</div>");

}

session.close();

} **catch** (Exception e) {

out.println("<div align='center'><h2 style='color:red'>TRY AGAIN! OPERATION FAILED...</h2></div>");

}

}

}

**INITIALIZECONNECTION**

**package** operation;

**import** java.io.IOException;

**import** java.io.PrintWriter;

**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** com.util.Util;

@WebServlet("/InitializeConnection")

**public** **class** InitializeConnection **extends** HttpServlet {

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

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

response.setContentType("text/html");

PrintWriter out = response.getWriter();

request.getRequestDispatcher("index.jsp").include(request, response);

**try** {

SessionFactory factory = Util.*buildConnection*();

Session session = factory.openSession();

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

out.println("<div align='center'><h2 style='color:green'>CONNECTED SUCCESSFULLY</h2></div>");

}

session.close();

} **catch** (Exception e) {

out.println("<div align='center'><h2 style='color:red'>UNABLE TO CONNECT!</h2></div>");

}

}

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

doGet(request, response);

}

}

**SHOW CLASSES**

**package** operation;

**import** java.io.IOException;

**import** java.io.PrintWriter;

**import** java.util.List;

**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** com.util.Util;

**import** AcademyDetails.ClassDetails;

@WebServlet("/ShowClasses")

**public** **class** ShowClasses **extends** HttpServlet {

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

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

response.setContentType("text/html");

PrintWriter out = response.getWriter();

**try** {

SessionFactory factory = Util.*buildConnection*();

Session session = factory.openSession();

List<ClassDetails> list = session.createQuery("from ClassDetails").list();

out.println("<h2>LIST OF CLASSES");

out.println("<style> table,td,th{"

+ "border:2px solid red; "

+ "padding:2px;); "

+ "</style>");

out.println("<table>");

out.println("<tr>");

out.println("<th>S.No</th>");

out.println("<th>Class Name</th>");

out.println("<th>Section</th>");

out.println("<th>Room No</th>");

out.println("<tr>");

**for**(ClassDetails classdet : list) {

out.println("<tr>");

out.println("<td>"+ classdet.getId() +"</td>");

out.println("<td>"+ classdet.getClassName() +"</td>");

out.println("<td>"+ classdet.getClassSection()+"</td>");

out.println("<td>"+ classdet.getClassRoomNo() +"</td>");

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

}

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

out.println("<a href=''adminportal.html'>RETURN To MainMenu!</a>");

session.close();

} **catch** (Exception e) {

out.println("<h2 style='color:red'>TRY AGAIN! OPERATION FAILED...<h2>");

out.println("<a href=''adminportal.html'>RETURN To MainMenu!</a>");

}

}

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

doGet(request, response);

}

}

**SHOW STUDENT**

**package** operation;

**import** java.io.PrintWriter;

**import** java.util.List;

**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** AcademyDetails.StudentDetails;

**import** org.hibernate.Session;

**import** org.hibernate.SessionFactory;

**import** com.util.Util;

/\*\*

\* Servlet implementation class ShowStudents

\*/

@WebServlet("/ShowStudents")

**public** **class** ShowStudents **extends** HttpServlet {

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

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

response.setContentType("text/html");

PrintWriter out = response.getWriter();

**try** {

SessionFactory factory = Util.*buildConnection*();

Session session = factory.openSession();

List<StudentDetails> list = session.createQuery("from StudentDetails").list();

out.println("<h2>LIST OF STUDENTS");

out.println("<style> table,td,th{"

+ "border:2px solid red; "

+ "padding:2px;); "

+ "</style>");

out.println("<table>");

out.println("<tr>");

out.println("<th>S.No</th>");

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

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

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

out.println("<tr>");

**for**(StudentDetails stdet : list) {

out.println("<tr>");

out.println("<td>"+ stdet.getId() +"</td>");

out.println("<td>"+ stdet.getName() +"</td>");

out.println("<td>"+ stdet.getRollNo() +"</td>");

out.println("<td>"+ stdet.getStudentClass() +"</td>");

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

}

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

out.println("<a href=''adminportal.html'>Back To MainMenu</a>");

session.close();

} **catch** (Exception e) {

out.println("<h2 style='color:red'>Operation Failed<h2>");

out.println("<a href=''adminportal.html'>Back To MainMenu</a>");

}

}

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

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

doGet(request, response);

}

}

**SHOW SUBJECT**

**package** operation;

**import** java.io.PrintWriter;

**import** java.util.List;

**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** com.util.Util;

**import** AcademyDetails.SubjectDetails;

@WebServlet("/ShowSubjects")

**public** **class** ShowSubjects **extends** HttpServlet {

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

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

response.setContentType("text/html");

PrintWriter out = response.getWriter();

**try** {

SessionFactory factory = Util.*buildConnection*();

Session session = factory.openSession();

List<SubjectDetails> list = session.createQuery("from SubjectDetails").list();

out.println("<h2>LIST OF SUBJECTS");

out.println("<style> table,td,th{"

+ "border:2px solid red; "

+ "padding:2px;); "

+ "</style>");

out.println("<table>");

out.println("<tr>");

out.println("<th>S.No</th>");

out.println("<th>Subject Name</th>");

out.println("<th>Subject Code</th>");

out.println("<th>Subject Teacher</th>");

out.println("<tr>");

**for**(SubjectDetails subdet : list) {

out.println("<tr>");

out.println("<td>"+ subdet.getId() +"</td>");

out.println("<td>"+ subdet.getSubjectName() +"</td>");

out.println("<td>"+ subdet.getSubjectCode()+"</td>");

out.println("<td>"+ subdet.getSubjectTeacher() +"</td>");

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

}

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

out.println("<a href=''adminportal.html'>RETURN To MainMenu!</a>");

session.close();

} **catch** (Exception e) {

out.println("<h2 style='color:red'>TRY AGAIN! OPERATION FAILED...<h2>");

out.println("<a href=''adminportal.html'>RETURN To MainMenu</a>");

}

}

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

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

doGet(request, response);

}

}

**SHOW TEACHER**

**package** operation;

**import** java.io.PrintWriter;

**import** java.util.List;

**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** com.util.Util;

**import** AcademyDetails.TeacherDetails;

/\*\*

\* Servlet implementation class ShowTeachers

\*/

@WebServlet("/ShowTeachers")

**public** **class** ShowTeachers **extends** HttpServlet {

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

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

response.setContentType("text/html");

PrintWriter out = response.getWriter();

**try** {

SessionFactory factory = Util.*buildConnection*();

Session session = factory.openSession();

List<TeacherDetails> list = session.createQuery("from TeacherDetails").list();

out.println("<h2>LIST OF TEACHERSS");

out.println("<style> table,td,th{"

+ "border:2px solid red; "

+ "padding:2px;); "

+ "</style>");

out.println("<table>");

out.println("<tr>");

out.println("<th>S.No</th>");

out.println("<th>Teacher Name</th>");

out.println("<th>Teacher Subject</th>");

out.println("<th>Teacher Class</th>");

out.println("<tr>");

**for**(TeacherDetails teachdet : list) {

out.println("<tr>");

out.println("<td>"+ teachdet.getId() +"</td>");

out.println("<td>"+ teachdet.getName() +"</td>");

out.println("<td>"+ teachdet.getSubject() +"</td>");

out.println("<td>"+ teachdet.getTeacherClass() +"</td>");

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

}

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

out.println("<a href='adminportal.html'>RETURN To MainMenu!</a>");

session.close();

} **catch** (Exception e) {

out.println("<h2 style='color:red'>TRY AGAIN! OPERATION FAILED...<h2>");

out.println("<a href=''adminportal.html'>RETURN To MainMenu!</a>");

}

}

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

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

doGet(request, response);

}

}

**HIBERNATE.CFG.XML**

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

<!DOCTYPE hibernate-configuration PUBLIC

"-//Hibernate/Hibernate Configuration DTD 3.0//EN"

"http://www.hibernate.org/dtd/hibernate-configuration-3.0.dtd">

<hibernate-configuration>

<session-factory>

<property name=*"hibernate.connection.driver\_class"*>com.mysql.jdbc.Driver</property>

<property name=*"hibernate.connection.url"*>jdbc:mysql://localhost:3306/vaish28</property>

<property name=*"hibernate.connection.username"*>root</property>

<property name=*"hibernate.connection.password"*>vaishnavi@2810</property>

<property name=*"hibernate.show\_sql"*>true</property>

<property name=*"hibernate.hbm2ddl.auto"*>update</property>

</session-factory>

</hibernate-configuration>

**WEB**

**ADD CLASS.HTML**

<!DOCTYPE html>

<html>

<head>

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

<title>ADD CLASS</title>

</head>

<body>

<div align=*"center"*>

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

<fieldset>

<h3>ENTER CLASS DETAILS</h3><br>

Class Name <input type=*"text"* name=*"Name"* id=*"Name"*><br>

Class Section <input type=*"text"* name=*"section"* id=*"section"*><br>

Room No <input type=*"text"* name=*"roomno"* id=*"roomno"*><br>

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

</fieldset>

</form>

</div>

</body>

</html>

**ADD STUDENT.HTML**

<!DOCTYPE html>

<html>

<head>

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

<title>ADD STUDENT</title>

</head>

<body>

<div align=*"center"*>

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

<fieldset>

<h3>ENTER STUDENT DETAILS - To Store</h3><br>

Student Name <input type=*"text"* name=*"Name"* id=*"Name"*><br>

Student RollNo <input type=*"text"* name=*"rollno"* id=*"rollno"*><br>

Student Class <input type=*"text"* name=*"class"* id=*"class"*><br>

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

</fieldset>

</form>

</div>

</body>

</html>

**ADD SUBJECT.HTML**

<!DOCTYPE html>

<html>

<head>

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

<title>ADD SUBJECT</title>

</head>

<body>

<div align=*"center"*>

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

<fieldset>

<h3>ENTER NEW SUBJECT DETAILS</h3><br>

Subject Name <input type=*"text"* name=*"Name"* id=*"Name"*><br>

Subject Code <input type=*"text"* name=*"code"* id=*"code"*><br>

Subject Teacher <input type=*"text"* name=*"teacher"* id=*"teacher"*><br>

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

</fieldset>

</form>

</div>

</body>

</html>

**ADD TEACHER.HTML**

<!DOCTYPE html>

<html>

<head>

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

<title>ADD TEACHER</title>

</head>

<body>

<div align=*"center"*>

<form action=*"add-teacher"* method=*"post"*>

<fieldset>

<h3>KINDLY, PROVIDE TEACHER DETAILS TO STORE</h3><br>

Teacher Name <input type=*"text"* name=*"Name"* id=*"Name"*><br>

Teacher's Subject <input type=*"text"* name=*"subject"* id=*"subject"*><br>

Teacher Class <input type=*"text"* name=*"class"* id=*"class"*><br>

<input type=*"submit"* value=*"Store Teacher Details"*>

</fieldset>

</form>

</div>

</body>

</html>

**ADMIN LOGIN.HTML**

<!DOCTYPE html>

<html>

<head>

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

<title>ADD ADMIN</title>

</head>

<body>

<div align=*"center"*>

<h2>WELCOME TO ADMIN LOGIN PAGE</h2>

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

<fieldset>

Email <input type=*"email"* name=*"adminemail"* id=*"adminemail"*><br><br>

Password <input type=*"password"* name=*"adminpassword"* id=*"adminpassword"*><br><br>

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

</fieldset>

</form>

</div>

</body>

</html>

**ADMINPORTAL.HTML**

<!DOCTYPE html>

<html>

<head>

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

<title>Insert title here</title>

</head>

<body>

<br>

<div align=*"center"*>

<h3>WELCOME TO ADMIN PORTAL MAIN MENU</h3><br><br>

<a href=*"student.html"*>STUDENT SECTION</a> <br><br>

<a href=*"teacher.html"*>TEACHER SECTION</a> <br><br>

<a href=*"class.html"*>CLASS SECTION</a> <br><br>

<a href=*"subject.html"*>SUBJECT SECTION</a><br><br><br><br><br><br>

<a href=*"index.jsp"*>LOGOUT - Before you Leave</a>

</div>

</body>

</html>

**CLASS.HTML**

<!DOCTYPE html>

<html>

<head>

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

<title>CLASS</title>

</head>

<body>

<div align=*"center"*>

<h3>WELCOME TO CLASS TAB!</h3>

<a href=*"add-class.html"*>Add a Class</a> ||

<a href=*"listclasses"*>List the Classes</a><br>

</div>

<div align=*"left"*><a href=*"adminportal.html"*>Previous Tab</a></div>

<div align=*"right"*><a href=*"index.jsp"*>Logout!</a></div>

</body>

</html>

**INDEX.JSP**

<!DOCTYPE html>

<html>

<head>

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

<title>LEARNER'S ACADEMY</title>

</head>

<body>

<div align=*"center"*>

<a href=*"init"*>DATABASE STATUS</a><br>

</div>

</body>

</html>

**INDEX.HTML**

<!DOCTYPE html>

<html>

<head>

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

<title>Insert title here</title>

</head>

<body>

<div align=*"center"*>

<h2>WELCOME TO LEARNER'S ACADEMY</h2>

<br>

<a href=*"login"*>CLICK TO LOGIN TO ADMIN PORTAL</a><br><br><br><br>

<a href=*"index.jsp"*>DATABASE STATUS</a>

</div>

</body>

</html>

**STUDENT.HTML**

<!DOCTYPE html>

<html>

<head>

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

<title>STUDENT TAB</title>

</head>

<body>

<div align=*"center"*>

<h3>WELCOME TO STUDENT TAB!</h3>

<a href=*"add-student.html"*>Add a Student</a> ||

<a href=*"liststudents"*>List all Students</a><br>

</div>

<div align=*"left"*><a href=*"adminportal.html"*>Previous Move</a></div>

<div align=*"right"*><a href=*"index.jsp"*>Logout!</a></div>

</body>

</html>

**SUBJECT.HTML**

<!DOCTYPE html>

<html>

<head>

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

<title>SUBJECT TAB</title>

</head>

<body>

<div align=*"center"*>

<h3>WELCOME TO SUBJECT TAB!</h3>

<a href=*"add-subject.html"*>Add a Subject</a> ||

<a href=*"listsubjects"*>List all Subject</a><br>

</div>

<div align=*"left"*><a href=*"adminportal.html"*>Previous Tab</a></div>

<div align=*"right"*><a href=*"index.jsp"*>Logout!</a></div>

</body>

</html>

**TEACHER.HTML**

<!DOCTYPE html>

<html>

<head>

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

<title>TEACHERS TAB</title>

</head>

<body>

<div align=*"center"*>

<h3>WELCOME TO TEACHER TAB!</h3>

<a href=*"add-teacher.html"*>Add a Teacher</a> ||

<a href=*"listteachers"*>List all the Teachers</a><br>

</div>

<div align=*"left"*><a href=*"**adminportal.html"*>Back</a></div>

<div align=*"right"*><a href=*"index.jsp"*>Logout!</a></div>

</body>

</html>