Coding

**HOME.JSP**

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

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">

<title>Display</title>

<style>

table#nat{

width: 50%;

background-color: #c48ec5;

}

</style>

</head>

<body>

<% String name = request.getParameter("fullname");

String Addr = request.getParameter("address");

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

String Qual = request.getParameter("qual");

String Persent = request.getParameter("percent");

String Year = request.getParameter("yop"); %>

<table id ="nat">

<tr>

<td>Full Name</td>

<td><%= name %></td>

</tr>

<tr>

<td>Address</td>

<td><%= Addr %></td>

</tr>

<tr>

<td>Age</td>

<td><%= age %></td>

</tr>

<tr>

<td>Qualification</td>

<td><%= Qual %></td>

</tr>

<tr>

<td>Percentage</td>

<td><%= Percent %></td>

</tr>

<tr>

<td>Year of Passout</td>

<td><%= Year %></td>

</tr>

</table>

</body>

</html>

**INDEX.JSP**

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

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">

<title>User Data</title>

</head>

<style>

div.ex {

text-align: right width:300px;

padding: 10px;

border: 5px solid grey;

margin: 0px

}

</style>

<body>

<h1>Student Registration Form</h1>

<div class="ex">

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

<table style="with: 50%">

<tr>

<td>Student Id</td>

<td><input type="text" name="id"/></td>

</tr>

<tr>

<td>Student Full Name</td>

<td><input type="text” name="fullname"/></td>

</tr>

<tr>

<td>Student Permanent Address</td>

<td><input type="text" name="address"/></td>

</tr>

<tr>

<td>Student Age</td>

<td><input type="text" name="age"/></td>

</tr>

<tr>

<td>Student Qualification</td>

<td><input type="text" name="qual"/></td>

</tr>

<tr>

<td>Student Percentage</td>

<td><input type="text" name="percent"/></td>

</tr>

<tr>

<td>Year Passed</td>

<td><input type="text" name="yop"/></td>

</tr>

/table>

<input type="submit" value="register"/>

</form>

</div>

</body>

</html>

**NEWFILE.JSP**

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

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">

<title>Insert title here</title>

</head>

<body>

</body>

</html>

**WEB.XML**

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

<web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://java.sun.com/xml/ns/javaee" xsi:schemaLocation="http://java.sun.com/xml/ns/javaee http://java.sun.com/xml/ns/javaee/web-app\_3\_0.xsd" id="WebApp\_ID" version="3.0">

<display-name>CustomWebApp</display-name>

<welcome-file-list>

<welcome-file>index.jsp</welcome-file>

</welcome-file-list>

</web-app>

**StudentDAO.java**

package com.srk.dao;

import java.sql.Connection;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.util.ArrayList;

import java.util.List;

import javax.naming.Context;

import javax.naming.InitialContext;

import javax.sql.DataSource;

import vo.Student;

public class StudentDAO {

/\*public static Connection getConnection(){

Connection con=null;

try{

Class.forName("com.mysql.jdbc.Driver"); con=DriverManager.getConnection("jdbc:mysql://localhost:3306/test","root","root");

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

return con;

}\*/

public static Connection getConnection() throws Exception {

Connection conn=null;

Context initContext = new InitialContext()

Context envContext = (Context) initContext.lookup("java:comp/env");

DataSource ds = (DataSource) envContext.lookup("jdbc/TestDB");

conn = ds.getConnection();

return conn;

}

public static void main(String[] args) {

}

public static int saveStudent(Student std){

int status=0;

try{

Connection con=StudentDAO.getConnection();

PreparedStatement ps=con.prepareStatement("insert into Students(student\_name,student\_addr,student\_age,student\_qual,student\_percent,student\_year\_passed) values (?,?,?,?,?,?)");

ps.setString(1,std.getStudentName());

ps.setString(2,std.getStudentAddr());

ps.setString(3,std.getAge());

ps.setString(4,std.getQualification());

ps.setString(5,std.getPercentage());

ps.setString(6,std.getYearPassed());

status=ps.executeUpdate();

con.close();

}catch(Exception ex){ex.printStackTrace();}

return status;

}

public static int updateStudent(Student std){

int status=0;

try{

Connection con=StudentDAO.getConnection();

PreparedStatement ps=con.prepareStatement("update Students set student\_name=?,student\_addr=?,student\_age=?,student\_qual=?,student\_percent=?,student\_year\_passed=? where student\_id=?");

ps.setString(1,std.getStudentName());

ps.setString(2,std.getStudentAddr());

ps.setString(3,std.getAge());

ps.setString(4,std.getQualification());

ps.setString(5,std.getPercentage());

ps.setString(6,std.getYearPassed());

ps.setInt(7, std.getStudentId());

status=ps.executeUpdate();

con.close();

}catch(Exception ex){ex.printStackTrace();}

return status;

}

public static int deleteStudent(int stdId){

int status=0;

try{

Connection con=StudentDAO.getConnection();

PreparedStatement ps=con.prepareStatement("delete from Students where student\_id=?");

ps.setInt(1,stdId);

status=ps.executeUpdate();

con.close();

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

return status;

}

public static Student getStudentById(int StdId){

Student student=new Student();

try{

Connection con=StudentDAO.getConnection();

PreparedStatement ps=con.prepareStatement("select \* from Students where student\_id=?");

ps.setInt(1,StdId);

ResultSet rs=ps.executeQuery();

if(rs.next()){

student.setStudentId(rs.getInt(1));

student.setStudentName(rs.getString(2));

student.setStudentAddr(rs.getString(3));

student.setAge(rs.getString(4));

student.setQualification(rs.getString(5));

student.setPercentage(rs.getString(6));

student.setYearPassed(rs.getString(7));

}

con.close();

}catch(Exception ex){ex.printStackTrace();}

return student;

}

public static List<Student> getAllStudents(){

List<Student> students=new ArrayList<Student>();

try{

Connection con=StudentDAO.getConnection();

PreparedStatement ps=con.prepareStatement("select \* from Students");

ResultSet rs=ps.executeQuery();

while(rs.next()){

Student student=new Student();

student.setStudentId(rs.getInt(1));

student.setStudentName(rs.getString(2));

student.setStudentAddr(rs.getString(3));

student.setAge(rs.getString(4));

student.setQualification(rs.getString(5));

student.setPercentage(rs.getString(6));

student.setYearPassed(rs.getString(7));

students.add(student);

}

con.close();

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

return students;

}

}

**DeleteStudent.java**

package com.srk.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 com.srk.dao.StudentDAO;

@WebServlet("/deleteStudent")

public class DeleteStudent extends HttpServlet {

protected void doGet(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

String sid=request.getParameter("stdId");

int id=Integer.parseInt(sid);

StudentDAO.deleteStudent(id);

response.sendRedirect("viewStudents");

}

}

**EditStudent.java**

package com.srk.servlet;

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 com.srk.dao.StudentDAO;

import vo.Student;

@WebServlet("/editStudent")

public class EditStudent extends HttpServlet{

protected void doGet(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

response.setContentType("text/html");

PrintWriter out=response.getWriter();

out.println("<h1>Update Student</h1>");

String sid=request.getParameter("stdId");

int stdId=Integer.parseInt(sid);

Student student=StudentDAO.getStudentById(stdId);

out.print("<form action='editStudent2' method='post'>");

out.print("<table>");

out.print("<tr><td></td><td><input type='hidden' name='stdId' value='"+student.getStudentId()+"'/></td></tr>");

out.print("<tr><td>Full Name :</td><td><input type='text' name='stdname' value='"+student.getStudentName()+"'/></td></tr>");

out.print("<tr><td>Address :</td><td><input type='text' name='stdaddrs' value='"+student.getStudentAddr()+"'/></td></tr>");

out.print("<tr><td>Age :</td><td><input type='text' name='stdage' value='"+student.getAge()+"'/></td></tr>");

out.print("<tr><td>Qualification :</td><td><input type='text' name='stdqual' value='"+student.getQualification()+"'/></td></tr>");

out.print("<tr><td>Percentage :</td><td><input type='text' name='stdpercent' value='"+student.getPercentage()+"'/></td></tr>");

out.print("<tr><td>Year of Passout :</td><td><input type='text' name='stdyearpass' value='"+student.getYearPassed()+"'/></td></tr>");

out.print("<tr><td colspan='2'><input type='submit' value='Edit & Save '/></td></tr>");

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

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

out.close();

}

}

**RegistrationController.java**

package com.srk.servlet;

import java.io.IOException;

import java.io.PrintWriter;

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 com.srk.dao.StudentDAO;

import vo.Student;

@WebServlet("/registrationController")

public class RegistrationController extends HttpServlet {

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

// TODO Auto-generated method stub

response.setContentType("text/html");

PrintWriter out = response.getWriter();

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

String Addr = request.getParameter("address");

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

String Qual = request.getParameter("qual");

String Persent = request.getParameter("percent");

String Year = request.getParameter("yop");

if(name.isEmpty()||Addr.isEmpty()||age.isEmpty()||Qual.isEmpty()||Persent.isEmpty()||Year.isEmpty())

{

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

out.println("<font color=red>Please fill all the fields</font>");

rd.include(request, response);

}

else

{

Student student = new Student();

student.setStudentName(name);

student.setStudentAddr(Addr);

student.setAge(age);

student.setQualification(Qual);

student.setPercentage(Persent);

student.setYearPassed(Year);

int status=StudentDAO.saveStudent(student);

if(status>0){

response.sendRedirect("viewStudents");

}else{

out.println("Sorry! unable to save record");

}

out.close();

}

}}

**SaveEditedStudent.java**

package com.srk.servlet;

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 com.srk.dao.StudentDAO;

import vo.Student;

@WebServlet("/editStudent2")

public class SaveEditedStudent extends HttpServlet{

protected void doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

response.setContentType("text/html");

PrintWriter out=response.getWriter();

String sid=request.getParameter("stdId");

int studentId=Integer.parseInt(sid);

String studentName = request.getParameter("stdname");

String studentAddrs = request.getParameter("stdaddrs");

String studentAge = request.getParameter("stdage");

String studentQual = request.getParameter("stdqual");

String studentPercent = request.getParameter("stdpercent"); String studentYearPass=request.getParameter("stdyearpass");

Student student = new Student();

student.setStudentId(studentId);

student.setStudentName(studentName);

student.setStudentAddr(studentAddrs);

student.setAge(studentAge);

student.setQualification(studentQual);

student.setPercentage(studentPercent);

student.setYearPassed(studentYearPass);

int status=StudentDAO.updateStudent(student);

if(status>0){

response.sendRedirect("viewStudents");

}else{

out.println("Sorry! unable to update record");

}

out.close();

}

}

**ViewStudents.java**

package com.srk.servlet;

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 com.srk.dao.StudentDAO;

import vo.Student;

@WebServlet("/viewStudents")

public class ViewStudents extends HttpServlet {

protected void doGet(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

response.setContentType("text/html");

PrintWriter out=response.getWriter();

out.println("<a href='index.jsp'>Register Student</a>");

out.println("<h1>Students List</h1>");

List<Student> list=StudentDAO.getAllStudents();

out.print("<table border='1' width='100%'");

out.print("<tr><th>Student ID</th><th>StudentName</th><th>Student Addrs</th><th>Student Age</th><th>Student Qualification</th><th>Student Percentage</th><th>Student Year Passed</th><th>Edit</th><th>Delete</th></tr>

for(Student student : list){ out.print("<tr><td>"+student.getStudentId()+"</td><td>"+student.getStudentName()+"</td><td>"+student.getStudentAddr()+"</td><td>"+student.getAge()+"</td><td>"+student.getQualification()+"</td><td>"+student.getPercentage()+"</td><td>"+student.getYearPassed()+"</td><td><a href='editStudent?stdId="+student.getStudentId()+"'>edit</a></td><td><a href='deleteStudent?stdId="+student.getStudentId()+"'>delete</a></td></tr>");

}

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

out.close();

}

}