**User.java**

package com.javatpoint.bean;

public class User {

private int id;

private String name, password, email, sex, country;

public int getId() {

return id;

}

public void setId(int id) {

this.id = id;

}

public String getName() {

return name;

}

public void setName(String name) {

this.name = name;

}

public String getPassword() {

return password;

}

public void setPassword(String password) {

this.password = password;

}

public String getEmail() {

return email;

}

public void setEmail(String email) {

this.email = email;

}

public String getSex() {

return sex;

}

public void setSex(String sex) {

this.sex = sex;

}

public String getCountry() {

return country;

}

public void setCountry(String country) {

this.country = country;

}

}

**UserDao.java**

package com.javatpoint.dao;

import java.sql.\*;

import java.util.ArrayList;

import java.util.List;

import com.javatpoint.bean.User;

public class UserDao {

public static Connection getConnection() {

Connection con = null;

try {

Class.forName("com.mysql.cj.jdbc.Driver");

con = DriverManager.getConnection("jdbc:mysql://localhost:3306/pune", "root", "cdac");

} catch (Exception e) {

System.out.println(e);

}

return con;

}

public static int save(User u) {

int status = 0;

try {

Connection con = getConnection();

PreparedStatement ps = con

.prepareStatement("insert into register(name,password,email,sex,country) values(?,?,?,?,?)");

ps.setString(1, u.getName());

ps.setString(2, u.getPassword());

ps.setString(3, u.getEmail());

ps.setString(4, u.getSex());

ps.setString(5, u.getCountry());

status = ps.executeUpdate();

} catch (Exception e) {

System.out.println(e);

}

return status;

}

public static int update(User u) {

int status = 0;

try {

Connection con = getConnection();

PreparedStatement ps = con

.prepareStatement("update register set name=?,password=?,email=?,sex=?,country=? where id=?");

ps.setString(1, u.getName());

ps.setString(2, u.getPassword());

ps.setString(3, u.getEmail());

ps.setString(4, u.getSex());

ps.setString(5, u.getCountry());

ps.setInt(6, u.getId());

status = ps.executeUpdate();

} catch (Exception e) {

System.out.println(e);

}

return status;

}

public static int delete(User u) {

int status = 0;

try {

Connection con = getConnection();

PreparedStatement ps = con.prepareStatement("delete from register where id=?");

ps.setInt(1, u.getId());

status = ps.executeUpdate();

} catch (Exception e) {

System.out.println(e);

}

return status;

}

public static List<User> getAllUsers(int start,int total) {

List<User> list = new ArrayList<User>();

try {

Connection con = getConnection();

PreparedStatement ps = con.prepareStatement("select \* from register limit "+(start-1)+","+total);

ResultSet rs = ps.executeQuery();

while (rs.next()) {

User u = new User();

u.setId(rs.getInt("id"));

u.setName(rs.getString("name"));

u.setPassword(rs.getString("password"));

u.setEmail(rs.getString("email"));

u.setSex(rs.getString("sex"));

u.setCountry(rs.getString("country"));

list.add(u);

}

} catch (Exception e) {

System.out.println(e);

}

return list;

}

public static User getRecordById(int id) {

User u = null;

try {

Connection con = getConnection();

PreparedStatement ps = con.prepareStatement("select \* from register where id=?");

ps.setInt(1, id);

ResultSet rs = ps.executeQuery();

while (rs.next()) {

u = new User();

u.setId(rs.getInt("id"));

u.setName(rs.getString("name"));

u.setPassword(rs.getString("password"));

u.setEmail(rs.getString("email"));

u.setSex(rs.getString("sex"));

u.setCountry(rs.getString("country"));

}

} catch (Exception e) {

System.out.println(e);

}

return u;

}

}

**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>Welcome page</title>

</head>

<body>

<h2>JSP CURD Operations</h2>

<br>

<a href="userform.html">Add User</a>

<br>

<br>

<a href="viewusers.jsp?page=1">View Users</a>

</body>

</html>

**Userform.html**

<!DOCTYPE html>

<html>

<head>

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

<title>User form</title>

</head>

<body>

<a href="viewusers.jsp">View All Records</a>

<br />

<h1>Add New User</h1>

<form action="adduser.jsp" method="post">

<table>

<tr>

<td>Name:</td>

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

</tr>

<tr>

<td>Password:</td>

<td><input type="password" name="password" /></td>

</tr>

<tr>

<td>Email:</td>

<td><input type="email" name="email" /></td>

</tr>

<tr>

<td>Sex:</td>

<td><input type="radio" name="sex" value="male" />Male <input

type="radio" name="sex" value="female" />Female</td>

</tr>

<tr>

<td>Country:</td>

<td><select name="country" style="width: 155px">

<option>India</option>

<option>Pakistan</option>

<option>Afghanistan</option>

<option>Berma</option>

<option>Other</option>

</select></td>

</tr>

<tr>

<td colspan="2"><input type="submit" value="Add User" /></td>

</tr>

</table>

</form>

</body>

</html>

**AddUser.jsp**

<%@**page** import="com.javatpoint.dao.UserDao"%>

<**jsp:useBean** id="u" class="com.javatpoint.bean.User"></**jsp:useBean**>

<**jsp:setProperty** property="\*" name="u" />

<%

int i = UserDao.save(u);

if (i > 0) {

response.sendRedirect("adduser-success.jsp");

} else {

response.sendRedirect("adduser-error.jsp");

}

%>

**AddUser-success.jsp**

<!DOCTYPE html>

<html>

<head>

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

<title>Add User Success</title>

</head>

<body>

<p>Record successfully saved !</p>

<**jsp:include** page="userform.html"></**jsp:include**>

</body>

</html>

**AddUser-error.jsp**

<!DOCTYPE html>

<html>

<head>

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

<title>Add User error</title>

</head>

<body>

<p>Sorry, an error occured !</p>

<**jsp:include** page="userform.html"></**jsp:include**>

</body>

</html>

**AddUserForm.jsp**

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

pageEncoding="ISO-8859-1"%>

<!DOCTYPE html>

<html>

<head>

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

<title>Add User Form</title>

</head>

<body>

<h3>Add user Form</h3>

<**jsp:include** page="userform.html"></**jsp:include**>

</body>

</html>

**deleteuser.jsp**

<%@**page** import="com.javatpoint.dao.UserDao"%>

<**jsp:useBean** id="u" class="com.javatpoint.bean.User"></**jsp:useBean**>

<**jsp:setProperty** property="\*" name="u" />

<%

UserDao.delete(u);

response.sendRedirect("viewusers.jsp");

%>

**editForm.jsp**

<!DOCTYPE html>

<html>

<head>

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

<title>Edit Form</title>

</head>

<body>

<%@**page** import="com.javatpoint.dao.UserDao,com.javatpoint.bean.User"%>

<%

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

User u = UserDao.getRecordById(Integer.parseInt(id));

%>

<h1>Edit Form</h1>

<form action="edituser.jsp" method="post">

<input type="hidden" name="id" value="<%=u.getId()%>" />

<table>

<tr>

<td>Name:</td>

<td><input type="text" name="name" value="<%=u.getName()%>" /></td>

</tr>

<tr>

<td>Password:</td>

<td><input type="password" name="password"

value="<%=u.getPassword()%>" /></td>

</tr>

<tr>

<td>Email:</td>

<td><input type="email" name="email" value="<%=u.getEmail()%>" /></td>

</tr>

<tr>

<td>Sex:</td>

<td><input type="radio" name="sex" value="male" />Male <input

type="radio" name="sex" value="female" />Female</td>

</tr>

<tr>

<td>Country:</td>

<td><select name="country">

<option>India</option>

<option>Pakistan</option>

<option>Afghanistan</option>

<option>Berma</option>

<option>Other</option>

</select></td>

</tr>

<tr>

<td colspan="2"><input type="submit" value="Edit User" /></td>

</tr>

</table>

</form>

</body>

</html>

**editUser.jsp**

<%@**page** import="com.javatpoint.dao.UserDao"%>

<**jsp:useBean** id="u" class="com.javatpoint.bean.User"></**jsp:useBean**>

<**jsp:setProperty** property="\*" name="u" />

<%

int i = UserDao.update(u);

response.sendRedirect("viewusers.jsp");

%>

**ViewUser.jsp**

<!DOCTYPE html>

<html>

<head>

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

<title>View Users</title>

</head>

<body>

<%@**page**

import="com.javatpoint.dao.UserDao, com.javatpoint.bean.\*, java.util.\*"%>

<%@ **taglib** uri="http://java.sun.com/jsp/jstl/core" prefix="c"%>

<h1>Users List</h1>

<%

String spageid = request.getParameter("page");

int pageid = Integer.parseInt(spageid);

int total = 5;

if (pageid == 1) {

} else {

pageid = pageid - 1;

pageid = pageid \* total + 1;

}

List<User> list = UserDao.getAllUsers(pageid, total);

out.print("<h1>Page No: " + spageid + "</h1>");

out.print("<table border='1' cellpadding='4' width='100%'>");

out.print("<tr><th>Id</th><th>Name</th><th>Password</th><th>Email</th><th>Sex</th><th>Country</th>");

for (User u : list) {

out.print("<tr><td>" + u.getId() + "</td><td>" + u.getName() + "</td><td>" + u.getPassword() + "</td> <td>"

+ u.getEmail() + "</td> <td>" + u.getSex() + "</td> <td>" + u.getCountry() + "</td></tr>");

}

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

%>

<a href="viewusers.jsp?page=1">1</a>

<a href="viewusers.jsp?page=2">2</a>

<a href="viewusers.jsp?page=3">3</a>

</body>

</html>

OUTPUT SCREENSHOTS :

   