Source code for Railway Track

//index.jsp

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

pageEncoding="ISO-8859-1"%>

<!DOCTYPE html>

<html>

<head>

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

<title>User Login</title>

</head>

<body>

<h3>Welcome to Railway Crossing!!!</h3>

<a href="login.jsp">User Login</a><br><br>

<a href="adminlogin.jsp">Admin Login</a>

</body>

</html>

// addrail.jsp

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

pageEncoding="ISO-8859-1"%>

<!DOCTYPE html>

<html>

<head>

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

<title>Add Railway Crossing</title>

</head>

<body>

<h2>Add Railway Crossing</h2>

<form action="RailCrossing" method="POST">

<table>

<tr>

<td>Name:</td>

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

</tr>

<tr>

<td>Address:</td>

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

</tr>

<tr>

<td>Landmark:</td>

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

</tr>

<tr>

<td>Time Schedule:</td>

<td><input type="time" name="Timeschedule" required></td>

</tr>

<tr>

<td>Person In-Charge:</td>

<td><input type="text" name="pname" required></td> </tr>

<tr>

<td>Status:</td>

<td>

<input type="radio" name="status" value="open" required> open

<input type="radio" name="status" value="closed" required> closed

</td>

</tr>

<tr>

<td><input type="submit" value="Add Crossing"></td> </tr>

</table>

</form>

</body>

</html>

//adminhome.jsp

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

pageEncoding="ISO-8859-1"%>

<%@ page import = "java.io.\*,java.util.\*,java.sql.\*"%>

<%@ page import = "javax.servlet.http.\*,javax.servlet.\*" %>

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

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

<!DOCTYPE html>

<html>

<head>

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

<title>Admin Home</title>

</head>

<body>

<h2>Admin Home</h2>

<a href="adminhome.jsp">Home</a><br>

<a href="addrail.jsp">Add Railway Crossing</a><br>

<a href="search.jsp">Search Crossing</a><br><br>

<sql:setDataSource var = "snapshot" driver = "com.mysql.jdbc.Driver"

url = "jdbc:mysql://localhost:3306/railway"

user = "root" password = "Spurthi@05"/>

<sql:query dataSource="${snapshot}" var="result"> SELECT \* from adminhome;

</sql:query>

<table border="1" width="100%">

<tr>

<th>Sr.No</th>

<th>Name</th>

<th>Address</th>

<th>Landmark</th>

<th>Time Schedule</th>

<th>Person In-Charge</th>

<th>Status</th>

<th>Action</th>

</tr>

<c:forEach var="row" items="${result.rows}"> <tr>

<td><c:out value="${row.id}" /></td>

<td><c:out value="${row.Name}" /></td>

<td><c:out value="${row.Address}" /></td>

<td><c:out value="${row.Landmark}" /></td>

<td><c:out value="${row.Timeschedule}" /></td>

<td><c:out value="${row.pname}" /></td>

<td><c:out value="${row.status}" /></td>

<td>

<!-- Action buttons for each row -->

<form action="update.jsp" method="GET">

<input type="hidden" name="id" value="${row.id}" /> <input type="submit" value="Update" /> </form>

<form action="delete.jsp" method="POST">

<input type="hidden" name="id" value="${row.id}" /> <input type="submit" value="Delete" />

</form>

</td>

</tr>

</c:forEach>

</table>

</body>

</html>

//search.jsp

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

pageEncoding="ISO-8859-1"%>

<%@ page import = "java.io.\*,java.util.\*,java.sql.\*"%>

<%@ page import = "javax.servlet.http.\*,javax.servlet.\*" %>

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

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

<!DOCTYPE html>

<html>

<head>

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

<title>Admin Home</title>

</head>

<body>

<h2>Admin Home</h2>

<a href="adminhome.jsp">Home</a><br>

<a href="addrail.jsp">Add Railway Crossing</a><br>

<a href="search.jsp">Search Crossing</a><br><br>

<sql:setDataSource var = "snapshot" driver = "com.mysql.jdbc.Driver"

url = "jdbc:mysql://localhost:3306/railway"

user = "root" password = "Spurthi@05"/>

<sql:query dataSource="${snapshot}" var="result"> SELECT \* from adminhome;

</sql:query>

<table border="1" width="100%">

<tr>

<th>Sr.No</th>

<th>Name</th>

<th>Address</th>

<th>Landmark</th>

<th>Time Schedule</th>

<th>Person In-Charge</th>

<th>Status</th>

<th>Action</th>

</tr>

<c:forEach var="row" items="${result.rows}"> <tr>

<td><c:out value="${row.id}" /></td>

<td><c:out value="${row.Name}" /></td>

<td><c:out value="${row.Address}" /></td>

<td><c:out value="${row.Landmark}" /></td>

<td><c:out value="${row.Timeschedule}" /></td>

<td><c:out value="${row.pname}" /></td>

<td><c:out value="${row.status}" /></td>

<td>

<!-- Action buttons for each row -->

<form action="update.jsp" method="GET">

<input type="hidden" name="id" value="${row.id}" /> <input type="submit" value="Update" /> </form>

<form action="delete.jsp" method="POST">

<input type="hidden" name="id" value="${row.id}" /> <input type="submit" value="Delete" />

</form>

</td>

</tr>

</c:forEach>

</table>

</body>

</html>

//adminlogin.jsp

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

pageEncoding="ISO-8859-1"%>

<!DOCTYPE html>

<html>

<head>

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

<title>Admin Login</title>

</head>

<body>

<div align=center>

<h2>Admin Login</h2>

<form action="AdminLogin" method="POST"> <table>

<tr><td>Name: </td><td><input type="text" name="uname"

placeholder="UserName" required></td></tr>

<tr><td>Password: </td><td><input type="password" name="password" placeholder="password" required></td></tr>

<tr><td></td><td><input type="submit" value="Login"><br><br><br>Don't have an account?<a href="Registration.jsp">Sign In</a></td></tr> </table>

</form>

</div>

</body>

</html>

//delete.jsp

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

pageEncoding="ISO-8859-1"%>

<!DOCTYPE html>

<html>

<head>

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

<title>Admin Login</title>

</head>

<body>

<div align=center>

<h2>Admin Login</h2>

<form action="AdminLogin" method="POST"> <table>

<tr><td>Name: </td><td><input type="text" name="uname"

placeholder="UserName" required></td></tr>

<tr><td>Password: </td><td><input type="password" name="password" placeholder="password" required></td></tr>

<tr><td></td><td><input type="submit" value="Login"><br><br><br>Don't have an account?<a href="Registration.jsp">Sign In</a></td></tr> </table>

</form>

</div>

</body>

</html>

//deleteProcess.jsp

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

pageEncoding="ISO-8859-1"%>

<%@ page import="java.io.\*,java.util.\*,java.sql.\*"%>

<%@ page import="javax.servlet.http.\*,javax.servlet.\*"%>

<%

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

if (id != null && !id.isEmpty()) {

try {

String url = "jdbc:mysql://localhost:3306/railway";

String user = "root";

String password = "Spurthi@05";

Connection conn = DriverManager.getConnection(url, user, password);

String sql = "DELETE FROM adminhome WHERE id = ?";

PreparedStatement pstmt = conn.prepareStatement(sql);

pstmt.setString(1, id);

pstmt.executeUpdate();

pstmt.close();

conn.close();

response.sendRedirect("delete.jsp?success=true");

} catch (SQLException e) {

e.printStackTrace();

response.sendRedirect("delete.jsp?error=true");

}

} else {

response.sendRedirect("delete.jsp?error=true");

}

%>

//favorite.jsp

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

pageEncoding="ISO-8859-1"%>

<%@ page import="java.io.\*,java.util.\*,java.sql.\*"%>

<%@ page import="javax.servlet.http.\*,javax.servlet.\*"%>

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

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

<!DOCTYPE html>

<html>

<head>

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

<title>Favorite Crossing</title>

</head>

<body>

<a href="userhome.jsp">Home</a><br>

<a href="search.jsp">Search Crossing</a><br><br>

<sql:setDataSource var="snapshot" driver="com.mysql.jdbc.Driver"

url="jdbc:mysql://localhost:3306/railway" user="root" password="Spurthi@05 " />

<sql:query dataSource="${snapshot}" var="favorites"> SELECT \* FROM favorites;

</sql:query>

<c:if test="${not empty favorites.rows}"> <table border="1" width="100%"> <tr>

<th>Sr.No</th>

<th>Name</th>

<th>Address</th>

<th>Landmark</th>

<th>Time Schedule</th>

<th>Person In-Charge</th>

<th>Status</th>

</tr>

<c:forEach var="favorite" items="${favorites.rows}"> <tr>

<td><c:out value="${favorite.id}" /></td>

<td><c:out value="${favorite.Name}" /></td>

<td><c:out value="${favorite.Address}" /></td>

<td><c:out value="${favorite.Landmark}" /></td>

<td><c:out value="${favorite.Timeschedule}" /></td>

<td><c:out value="${favorite.pname}" /></td>

<td><c:out value="${favorite.status}" /></td>

</tr>

</c:forEach>

</table>

</c:if>

<c:if test="${empty favorites.rows}">

<p>No favorite crossings.</p>

</c:if>

</body>

</html>

//login.jsp

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

pageEncoding="ISO-8859-1"%>

<!DOCTYPE html>

<html>

<head>

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

<title>User Login</title>

</head>

<body>

<div align=center>

<h2>User Login</h2>

<form action="Login" method="POST">

<table>

<tr><td>Name: </td><td><input type="text" name="uname"

placeholder="UserName" required></td></tr>

<tr><td>Password: </td><td><input type="password" name="password"

placeholder="password" required></td></tr><br><br>

<tr><td><input type="submit" value="Login"><br><br><br>Don't have an

account? <a href="Registration.jsp">Go to Register</a></td></tr>

<tr><td><a href="index.jsp">Back</a></td></tr>

</table>

</form>

</div>

</body>

</html>

//Registration.jsp

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

pageEncoding="ISO-8859-1"%>

<!DOCTYPE html>

<html>

<head>

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

<title>Register Form</title>

</head>

<body>

<form action="Register" method="post"> <div align=center>

<h3>User Registration</h3>

<table>

<tr><td>Name: </td><td><input type="text" name="uname"

placeholder="UserName" required></td></tr>

<tr><td>Email: </td><td><input type="text" name="email" placeholder="Email" required></td></tr>

<tr><td>Password: </td><td><input type="password" name="password"

placeholder="password" required></td></tr><br><br>

<tr><td></td><td><input type="submit" value="register"><br><br>Already

Registered?<a href="login.jsp">Go to login</a></td></tr>

</table>

</div>

</form>

</body>

</html>

//update.jsp

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

pageEncoding="ISO-8859-1"%>

<%@ page import="java.io.\*,java.util.\*,java.sql.\*"%>

<%@ page import="javax.servlet.http.\*,javax.servlet.\*"%>

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

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

<!DOCTYPE html>

<html>

<head>

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

<title>Update Railway Crossing</title>

</head>

<body>

<h2>Update Railway Crossing</h2>

<sql:setDataSource var="snapshot" driver="com.mysql.jdbc.Driver"

url="jdbc:mysql://localhost:3306/railway" user="root" password="Spurthi@05" />

<c:if test="${not empty param.id}">

<sql:query dataSource="${snapshot}" var="result"> SELECT \* FROM adminhome WHERE id = ?

<sql:param value="${param.id}" />

</sql:query>

<c:if test="${not empty result.rows}">

<c:forEach var="row" items="${result.rows}">

<form action="updateProcess.jsp" method="POST">

<input type="hidden" name="id" value="${row.id}" />

<table>

<tr>

<td>Name:</td>

<td><input type="text" name="Name" value="${row.Name}" required></td>

</tr>

<tr>

<td>Address:</td>

<td><input type="text" name="Address" value="${row.Address}" required></td> </tr>

<tr>

<td>Landmark:</td>

<td><input type="text" name="Landmark" value="${row.Landmark}"

required></td>

</tr>

<tr>

<td>Time Schedule:</td>

<td><input type="time" name="Timeschedule" value="${row.Timeschedule}" required></td>

</tr>

<tr>

<td>Person In-Charge:</td>

<td><input type="text" name="pname" value="${row.pname}" required></td>

</tr>

<tr>

<td>Status:</td>

<td>

<input type="radio" name="status" value="open" ${row.status == 'open' ? 'checked' : ''} required> Open

<input type="radio" name="status" value="closed" ${row.status == 'closed' ? 'checked' : ''} required> Closed

</td>

</tr>

<tr>

<td><input type="submit" value="Update Crossing"></td>

</tr>

</table>

</form>

</c:forEach>

</c:if>

</c:if>

</body>

</html>

//updateProcess.jsp

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

pageEncoding="ISO-8859-1"%>

<%@ page import="java.io.\*,java.util.\*,java.sql.\*"%>

<%@ page import="javax.servlet.http.\*,javax.servlet.\*"%>

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

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

<!DOCTYPE html>

<html>

<head>

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

<title>Update Crossing Process</title>

</head>

<body>

<body>

<h2>Update Crossing Process</h2>

<sql:setDataSource var="snapshot" driver="com.mysql.jdbc.Driver"

url="jdbc:mysql://localhost:3306/railway" user="root" password="Spurthi@05" />

<c:if test="${not empty param.id}">

<sql:update dataSource="${snapshot}">

UPDATE adminhome SET Name=?, Address=?, Landmark=?, Timeschedule=?,

pname=?, status=?

WHERE id=?

<sql:param value="${param.Name}" />

<sql:param value="${param.Address}" />

<sql:param value="${param.Landmark}" />

<sql:param value="${param.Timeschedule}" />

<sql:param value="${param.pname}" />

<sql:param value="${param.status}" />

<sql:param value="${param.id}" />

</sql:update>

<p>Update successful!</p>

</c:if>

<a href="adminhome.jsp">Back to Admin Home</a>

</body>

</html>

//userhome.jsp

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

pageEncoding="ISO-8859-1"%>

<%@ page import="java.io.\*,java.util.\*,java.sql.\*"%>

<%@ page import="javax.servlet.http.\*,javax.servlet.\*"%>

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

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

<!DOCTYPE html>

<html>

<head>

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

<title>User Home</title>

<style>

.header {

text-align: center;

margin-bottom: 20px;

}

.link {

display: block;

margin-bottom: 10px;

}

</style>

</head>

<body>

<h2>User Home</h2>

<a class="link" href="userhome.jsp">Home</a>

<a class="link" href="search.jsp">Search Crossing</a>

<a class="link" href="favorite.jsp">Favorite Crossing</a>

<sql:setDataSource var="snapshot" driver="com.mysql.jdbc.Driver"

url="jdbc:mysql://localhost:3306/railway" user="root" password="Spurthi@05 " />

<sql:query dataSource="${snapshot}" var="result"> SELECT \* FROM adminhome;

</sql:query>

<c:forEach var="row" items="${result.rows}"> <div>

<h4>Name: <c:out value="${row.Name}" /></h4>

<p>Address: <c:out value="${row.Address}" /></p>

<p>Landmark: <c:out value="${row.Landmark}" /></p>

<p>Time Schedule: <c:out value="${row.Timeschedule}" /></p>

<p>Person In-Charge: <c:out value="${row.pname}" /></p>

<p>Status: <c:out value="${row.status}" /></p> <form action="AddToFavorite" method="POST">

<input type="hidden" name="itemId" value="${row.id}" />

<input type="submit" value="Add to Favorite" />

</form>

</div>

<hr />

</c:forEach>

<a class="link" href="login.jsp">Logout</a>

</head>

<body>

</body>

</html>

//AddToFavorite.java

package com;

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 java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.SQLException;

@WebServlet("/AddToFavorite")

public class AddToFavorite extends HttpServlet {

protected void doGet(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

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

try {

// Establish database connection

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

Connection connection =DriverManager.getConnection("jdbc:mysql://localhost:3306/railway", "root", "Spurthi@05");

String sql = "INSERT INTO favorites (id, Name, Address, Landmark, Timeschedule, pname, status) " +

"SELECT id, Name, Address, Landmark, Timeschedule, pname, status " + "FROM adminhome WHERE id = ?";

PreparedStatement statement = connection.prepareStatement(sql);

statement.setString(1, itemId);

// Execute the SQL statement

int rowsAffected = statement.executeUpdate();

// Close the database connection

statement.close();

connection.close();

// Redirect the user back to the user home page

response.sendRedirect("userhome.jsp");

} catch (ClassNotFoundException | SQLException e)

{

e.printStackTrace();

}

}

}

//Login.java

package com;

import java.io.IOException;

import java.io.PrintWriter;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

import javax.servlet.RequestDispatcher;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

/\*\*

\* Servlet implementation class Login

\*/

@WebServlet("/Login")

public class Login extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public Login() {

super();

// TODO Auto-generated constructor stub

}

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

try {

PrintWriter out= response.getWriter();

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

Connection

con=DriverManager.getConnection("jdbc:mysql://localhost:3306/railway","root","Spurthi@05");

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

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

PreparedStatement ps = con.prepareStatement("SELECT uname FROM user WHERE uname=? AND password=?");

ps.setString(1,uname);

ps.setString(2,pass);

ResultSet rs = ps.executeQuery();

if(rs.next()) {

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

rd.forward(request, response);

}

else {

out.println("<font color=red size=4>Login Failed!!!<br>"); out.println("<font color=red size=2>Invalid user name or password<br>"); out.println("<a href=login.jsp>Try Again</a>"); }

}catch (ClassNotFoundException e) {

e.printStackTrace();

} catch (SQLException e) {

// TODO Auto-generated catch block e.printStackTrace();

}

}

private PreparedStatement prepareStatement(String string) {

// TODO Auto-generated method stub

return null;

}

}

//AdminLogin.java

package com;

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 java.io.IOException;

import java.io.PrintWriter;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

@WebServlet("/AdminLogin")

public class AdminLogin extends HttpServlet { private static final long serialVersionUID = 1L;

public AdminLogin() {

super();

}

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

try{

PrintWriter out= response.getWriter(); Class.forName("com.mysql.cj.jdbc.Driver"); Connection

con=DriverManager.getConnection("jdbc:mysql://localhost:3306/railway","root ","Spurthi@05");

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

PreparedStatement ps = con.prepareStatement("SELECT uname FROM admin WHERE uname=? AND password=?");

ps.setString(1,uname);

ps.setString(2,pass);

ResultSet rs = ps.executeQuery();

if(rs.next()) {

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

rd.forward(request, response);

}

else {

out.println("<font color=red size=4>Login Failed!!!<br>");

out.println("<font color=red size=2>Invalid user name or password<br>"); out.println("<a href=login.jsp>Try Again</a>"); }

}catch (ClassNotFoundException e) {

e.printStackTrace();

} catch (SQLException e) {

// TODO Auto-generated catch block e.printStackTrace();

}

}

}

//Member.java

package com;

public class Member {

private String uname, password, email;

public Member() {

super();

}

public Member(String uname, String password, String email) { super();

this.uname = uname;

this.password = password;

this.email = email;

}

public String getUname() {

return uname;

}

public void setUname(String uname) {

this.uname = uname;

}

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;

}

}

//RailCross.java

package com;

import java.sql.Time;

public class RailCross {

private String name;

private String address;

private String landmark;

private String timeSchedule;

private String personInCharge;

private String status;

public RailCross(String name, String address, String landmark, String timeSchedule, String personInCharge, String status) {

this.name = name;

this.address = address;

this.landmark = landmark;

this.timeSchedule = timeSchedule;

this.personInCharge = personInCharge;

this.status = status;

}

public String getName() {

return name;

}

public void setName(String name) {

this.name = name;

}

public String getAddress() {

return address;

}

public void setAddress(String address) { this.address = address; }

public String getLandmark() {

return landmark;

}

public void setLandmark(String landmark) { this.landmark = landmark; }

public String getTimeSchedule() {

return timeSchedule;

}

public void setTimeSchedule(String timeSchedule) { this.timeSchedule = timeSchedule; }

public String getPersonInCharge() {

return personInCharge;

}

public void setPersonInCharge(String personInCharge) { this.personInCharge = personInCharge;

}

public String getStatus() {

return status;

}

public void setStatus(String status) { this.status = status; }

}

//RailCrossing.java

package com;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import java.io.IOException;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.SQLException;

import java.sql.Time;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

/\*\*

\* Servlet implementation class RailCrossing

\*/

@WebServlet("/RailCrossing")

public class RailCrossing extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public RailCrossing() {

super();

// TODO Auto-generated constructor stub

}

private String dbUrl = "jdbc:mysql://localhost:3306/railway";

private String dbUsername = "root";

private String dbPassword = "Spurthi@05";

private String dbDriver = "com.mysql.cj.jdbc.Driver";

protected void doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

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

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

String landmark = request.getParameter("Landmark");

String timeSchedule = request.getParameter("Timeschedule");

String personInCharge = request.getParameter("pname");

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

RailCross railCrossing = new RailCross(name, address, landmark, timeSchedule, personInCharge, status);

String result = insertRailCrossing(railCrossing);

response.getWriter().print(result);

}

private String insertRailCrossing(RailCross railCrossing) {

try {

Class.forName(dbDriver);

Connection connection = DriverManager.getConnection(dbUrl, dbUsername, dbPassword);

String sql = "INSERT INTO adminhome (Name, Address, Landmark, Timeschedule, pname, status) VALUES (?, ?, ?, ?, ?, ?)";

PreparedStatement statement = connection.prepareStatement(sql);

statement.setString(1, railCrossing.getName());

statement.setString(2, railCrossing.getAddress());

statement.setString(3, railCrossing.getLandmark());

statement.setString(4, railCrossing.getTimeSchedule());

statement.setString(5, railCrossing.getPersonInCharge());

statement.setString(6, railCrossing.getStatus());

int rowsInserted = statement.executeUpdate();

if (rowsInserted > 0) {

return "Data inserted successfully";

} else {

return "Failed to insert data";

}

} catch (ClassNotFoundException | SQLException e) {

e.printStackTrace();

return "Error: " + e.getMessage();

}

}

}

//Register.java

package com;

import javax.servlet.annotation.WebServlet;

import java.io.IOException;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

/\*\*

\* Servlet implementation class Register

\*/

@WebServlet("/Register")

public class Register extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public Register() {

super();

// TODO Auto-generated constructor stub

}

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

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

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

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

Member user = new Member(uname, password, email);

RegisterDao rDao = new RegisterDao();

String result = rDao.insert(user);

response.getWriter().print(result);

}

}

//RegisterDao.java

package com;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.SQLException;

public class RegisterDao {

private String dbUrl = "jdbc:mysql://localhost:3306/railway";

private String dbUname = "root";

private String dbPassword = "Spurthi@05";

private String dbDriver = "com.mysql.cj.jdbc.Driver";

public void loadDriver(String dbDriver)

{

try {

Class.forName(dbDriver);

} catch (ClassNotFoundException e) {

// TODO Auto-generated catch block e.printStackTrace();

}

}

public Connection getConnection()

{

Connection con = null;

try {

con = DriverManager.getConnection(dbUrl, dbUname, dbPassword);

} catch (SQLException e) {

// TODO Auto-generated catch block e.printStackTrace();

}

return con;

}

public String insert(Member member)

{

loadDriver(dbDriver);

Connection con = getConnection();

String result = "Data entered successfully";

String sql = "insert into user values(?,?,?)";

PreparedStatement ps;

try {

ps = con.prepareStatement(sql);

ps.setString(1, member.getUname());

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

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

ps.executeUpdate();

} catch (SQLException e) {

// TODO Auto-generated catch block e.printStackTrace();

result = "Data not entered";

}

return result;

}

}