Addrail.jsp

<%@ **page** language=*"java"* contentType=*"text/html; charset=UTF-8"*

pageEncoding=*"UTF-8"*%>

<**html**>

<**head**>

<**meta** charset=*"UTF-8"*>

<**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=*"Trainschedule"* 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=UTF-8"*

pageEncoding=*"UTF-8"*%>

<%@ **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=*"UTF-8"*>

<**title**>Insert title here</**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:3307/railway"*

user = *"root"* password = *"root"*/>

<**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.Trainschedule}*"* /></**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=UTF-8"*

pageEncoding=*"UTF-8"*%>

<!**DOCTYPE** html>

<**html**>

<**head**>

<**meta** charset=*"UTF-8"*>

<**title**>Insert title here</**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=UTF-8"*

pageEncoding=*"UTF-8"*%>

<%@ **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=*"UTF-8"*>

<**title**>Insert title here</**title**>

</**head**>

<**body**>

<**body**>

<**h2**>Delete Record</**h2**>

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

url=*"jdbc:mysql://localhost:3307/railway"* user=*"root"* password=*"root"* />

<**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=*"deleteProcess.jsp"* method=*"POST"*>

<**input** type=*"hidden"* name=*"id"* value=*"*${row.id}*"* /> <**label** for=*"id"*>Record Sr.No:</**label**>

<**input** type=*"text"* id=*"id"* name=*"id"* value=*"*${row.id}*"* required><**br**><**br**> <**input** type=*"submit"* value=*"Confirm Delete"*> </**form**>

</**c:forEach**>

</**c:if**>

</**c:if**>

</**body**>

</**html**>

<%@ **page** language=*"java"* contentType=*"text/html; charset=UTF-8"*

pageEncoding=*"UTF-8"*%>

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

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

<%

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

// Check if ID is provided

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

try {

// Database connection details

String url = "jdbc:mysql://localhost:3307/railway"; String user = "root";

String password = "root";

// Create database connection

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

// Prepare and execute the delete statement

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

PreparedStatement pstmt = conn.prepareStatement(sql);

pstmt.setString(1, id);

pstmt.executeUpdate();

// Close resources

pstmt.close();

conn.close();

// Redirect back to delete.jsp with success message

response.sendRedirect("delete.jsp?success=true"); } catch (SQLException e) { e.printStackTrace();

// Handle database errors

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

} else {

// ID is not provided, redirect back to delete.jsp with error message

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

}

%>

<!**DOCTYPE** html>

<**html**>

<**head**>

<**meta** charset=*"UTF-8"*>

<**title**>Insert title here</**title**>

</**head**>

<**body**>

</**body**>

</**html**>

Favorite.jsp

<%@ **page** language=*"java"* contentType=*"text/html; charset=UTF-8"*

pageEncoding=*"UTF-8"*%>

<%@ **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=*"UTF-8"*>

<**title**>Insert title here</**title**>

</**head**>

<**body**>

<**h2**>Favorite Crossing</**h2**>

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

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

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

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

url=*"jdbc:mysql://localhost:3307/railway"* user=*"root"* password=*"root"* />

<**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.Trainschedule}*"* /></**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**>

Search.jsp

<%@ **page** language=*"java"* contentType=*"text/html; charset=UTF-8"*

pageEncoding=*"UTF-8"*%>

<%@ **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=*"UTF-8"*>

<**title**>Insert title here</**title**>

</**head**>

<**body**>

<**h2**>Search Crossing</**h2**>

<**form** action=*"searchResult.jsp"* method=*"GET"*>

<**input** type=*"text"* name=*"keyword"* placeholder=*"Enter keyword"* />

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

</**form**>

</**body**>

</**html**>

<%@ **page** language=*"java"* contentType=*"text/html; charset=UTF-8"*

pageEncoding=*"UTF-8"*%>

<%@ **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=*"UTF-8"*>

<**title**>Insert title here</**title**>

</**head**>

<**body**>

<**h2**>Search Results</**h2**>

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

url=*"jdbc:mysql://localhost:3307/railway"* user=*"root"* password=*"root"* />

<**c:set** var=*"keyword"* value=*"*${param.keyword}*"* />

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

WHERE Name LIKE CONCAT('%', ?, '%') OR Address LIKE CONCAT('%', ?, '%')

<**sql:param** value=*"*${keyword}*"* />

<**sql:param** value=*"*${keyword}*"* />

</**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**>

</**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.Trainschedule}*"* /></**td**>

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

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

</**tr**>

</**c:forEach**>

</**table**>

</**body**>

</**html**>

Update.jsp

<%@ **page** language=*"java"* contentType=*"text/html; charset=UTF-8"*

pageEncoding=*"UTF-8"*%>

<%@ **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=*"UTF-8"*>

<**title**>Insert title here</**title**>

</**head**>

<**body**>

<**h2**>Update Railway Crossing</**h2**>

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

url=*"jdbc:mysql://localhost:3307/railway"* user=*"root"* password=*”root*" />

<**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=*"Trainschedule"* value=*"*${row.Trainschedule}*"* 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**>

<%@ **page** language=*"java"* contentType=*"text/html; charset=UTF-8"*

pageEncoding=*"UTF-8"*%>

<%@ **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=*"UTF-8"*>

<**title**>Insert title here</**title**>

</**head**>

<**body**>

<**h2**>Update Crossing Process</**h2**>

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

url=*"jdbc:mysql://localhost:3306/railway"* user=*"root"* password=*"Rajapradha@961 "* />

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

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

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

pname=?, status=?

WHERE id=?

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

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

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

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

<**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**>

Admin.java

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 AdminLogin

\*/

@WebServlet("/AdminLogin")

public class AdminLogin extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public AdminLogin() {

super();

// TODO Auto-generated constructor stub

}

/\*\*

\* @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)

\*/

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:3307/railway","root ","root");

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();

}

}

}

Railway crossing

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.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

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;

private String dbUrl = "jdbc:mysql://localhost:3307/railway";

private String dbUsername = "root";

private String dbPassword = "root";

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

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public RailCrossing() {

super();

// TODO Auto-generated constructor stub

}

/\*\*

\* @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)

\*/

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 trainSchedule = request.getParameter("Trainschedule");

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

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

RailCross railCrossing = new RailCross(name, address, landmark, trainSchedule, 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, Trainschedule, 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.getTrainSchedule());

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();

}

}

}