index.jsp

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

<!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=UTF-8"> <title>User Login</title>

</head>

</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>

login.jsp (user login)

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

<!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=UTF-8"> <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=UTF-8" pageEncoding="UTF-8"%>

<!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=UTF-8"> <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>

adminlogin.jsp

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

<!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=UTF-8"> <title>User 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>

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 http-equiv="Content-Type" content="text/html; charset=UTF-8"> <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 ="Vamsi@1"/>

<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>

addrail.jsp

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

<!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=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>

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 http-equiv="Content-Type" content="text/html; charset=UTF-8"> <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="Vamsi@1" />

<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>

updateProcess.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 http-equiv="Content-Type" content="text/html; charset=UTF-8"> <title>Update Crossing Process</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="Vamsi@1" />

<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>

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 http-equiv="Content-Type" content="text/html; charset=UTF-8"> <title>Delete Record</title>

</head>

<body>

<h2>Delete Record</h2>

<sql:setDataSource var="snapshot" driver="com.mysql.jdbc.Driver" url="jdbc:mysql://localhost:3306/railway" user="root" password="Vamsi@1" />

<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>

deleteProcess.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." %>

<%

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

// Check if ID is provided

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

try {

// Database connection details

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

String password ="Vamsi@1";

// 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");

}

%>

userhome.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 http-equiv="Content-Type" content="text/html; charset=UTF-8"> <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="Vamsi@1" />

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

</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 http-equiv="Content-Type" content="text/html; charset=UTF-8"> <title>Search Crossing</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>

searchReult.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 http-equiv="Content-Type" content="text/html; charset=UTF-8"> <title>Search Results</title>

</head>

<body>

<h2>Search Results</h2>

<sql:setDataSource var="snapshot" driver="com.mysql.cj.jdbc.Driver" url="jdbc:mysql://localhost:3306/railway" user="root" password="Vamsi@1" />

<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>

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 http-equiv="Content-Type" content="text/html; charset=UTF-8"> <title>Favorite Crossing</title>

</head>

<body>

<h2>Favorite Crossing</h2>

<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="Vamsi@1" />

<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>

AdminLogin.java (Servlet)

package adminlogin;

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;

@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 "Vamsi@1");

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();

}

}

}

AddToFavorite.java (servlet)

package favorite;

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 doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

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

// Perform necessary operations to add the item to favorites

try {

// Establish database connection

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

Connection connection = DriverManager.getConnection("jdbc:mysql://localhost:3306/railway", "root", "Vamsi@1");

// Prepare SQL statement to insert the favorite crossing

String sql = "INSERT INTO favorites (id, Name, Address, Landmark,

Trainschedule, pname, status) " +

"SELECT id, Name, Address, Landmark, Trainschedule, 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 (Servlet)

package login;

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;

@WebServlet("/Login")

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

public Login() { 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","Vamsi@1");

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;

}

}

RailCross.java (normal class)

package rail;

import java.sql.Time;

public class RailCross { private String name;

private String address; private String landmark; private String trainSchedule; private String personInCharge; private String status;

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

this.name = name;

this.address = address;

this.landmark = landmark; this.trainSchedule = trainSchedule; this.personInCharge = personInCharge; this.status = status;

}

// Getters and setters

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 getTrainSchedule() { return trainSchedule;

}

public void setTrainSchedule(String trainSchedule) { this.trainSchedule = trainSchedule;

}

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 (servlet)

package rail;

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;

@WebServlet("/RailCrossing")

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

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

private String dbpassword ="Vamsi@1";

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 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();

}

}

}

Member.java (normal class)

package register; 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;

}

}

Register.java (Servelet)

package register;

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;

/\*\*

\* 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 }

/\*\*

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

\*/

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 (Normal class)

package register;

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 ="Vamsi@1";

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;

}

}