

//AdminLogin.java file

```
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
            ","Reshma20$");
            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=adminlogin.jsp>Try Again</a>");
            }
        } catch (ClassNotFoundException e) {
            e.printStackTrace();
        } catch (SQLException e) {
            // TODO Auto-generated catch block
            e.printStackTrace();
        }
    }
}
```

//AddTofavorite.java file

```

package favorite;

import java.io.IOException;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.SQLException;
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("/AddToFavorite")
public class AddToFavorite extends HttpServlet {
    protected void doPost(HttpServletRequest request, HttpServletResponse
    response)
        throws ServletException, IOException {
        String itemId = request.getParameter("id");
        // 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", "Reshma20$");
            // 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();
        }
    }
}

```

//DeleteRecords.java

```

package favorite;

import java.io.IOException;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.SQLException;
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("/DeleteRecord")
public class DeleteRecord extends HttpServlet {

```

```

protected void doGet(HttpServletRequest request, HttpServletResponse
response)
throws ServletException, IOException {
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 = "Reshma20$";
// 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("adminhome.jsp");
} 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");
}
}
}

```

//RemoveFromFavorite.java file

```

package favorite;

import java.io.IOException;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.SQLException;
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("/RemoveFromFavorite")
public class RemoveFromFavorite extends HttpServlet {
protected void doPost(HttpServletRequest request, HttpServletResponse
response)
throws ServletException, IOException {
String id = request.getParameter("id");
// Perform necessary operations to remove the item from favorites
try {
// Establish database connection
Class.forName("com.mysql.jdbc.Driver");
Connection connection =

```

```

DriverManager.getConnection("jdbc:mysql://localhost:3306/railway",
"root","Reshma20$");
// Prepare SQL statement to delete the favorite crossing
String sql = "DELETE FROM favorites WHERE id = ?";
PreparedStatement statement = connection.prepareStatement(sql);
statement.setString(1, id);
// 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("favorite.jsp");
} catch (ClassNotFoundException | SQLException e) {
e.printStackTrace();
}
}
}

```

//login.java

```

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
","Reshma20$");
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 file

```

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

```

package rail;

import java.io.IOException;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.SQLException;
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 = "Reshma20$";
    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.sendRedirect("adminhome.jsp");
    }
    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();
}
}
}

```

//UpdateRailCrossingServlet

```

package rail;

import java.io.IOException;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
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 UpdateRailCrossingServlet
 */
@WebServlet("/UpdateRailCrossingServlet")
public class UpdateRailCrossingServlet extends HttpServlet {
    private static final long serialVersionUID = 1L;

    /**
     * @see HttpServlet#HttpServlet()
     */
    public UpdateRailCrossingServlet() {
        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
        doGet(request, response);
        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");

        // Database connection parameters
        String jdbcUrl = "jdbc:mysql://localhost:3306/railway";
        String dbUser = "root";
        String dbPassword = "Reshma20$";

        try {
            // Load the MySQL JDBC driver
            Class.forName("com.mysql.jdbc.Driver");

            // Establish a database connection
            Connection connection =
DriverManager.getConnection(jdbcUrl, dbUser, dbPassword);

            // Prepare the SQL update statement
            String updateQuery = "UPDATE `railway`.`adminhome` SET
Name=?, Address=?, Landmark=?, Trainschedule=?, pname=?, status=? WHERE
id=?";

            PreparedStatement preparedStatement =
connection.prepareStatement(updateQuery);
            preparedStatement.setString(1, name);
            preparedStatement.setString(2, address);
            preparedStatement.setString(3, landmark);
            preparedStatement.setString(4, trainSchedule);
            preparedStatement.setString(5, personInCharge);
            preparedStatement.setString(6, status);
            preparedStatement.setInt(7,
Integer.parseInt(request.getParameter("id"))); // Assuming you have 'id' in
your form

            // Execute the update
            int updatedRows = preparedStatement.executeUpdate();

            // Close the database connection
            preparedStatement.close();
            connection.close();

            // Redirect to a success page or display a message
            if (updatedRows > 0) {
                response.sendRedirect("success.jsp"); // Redirect to
a success page
            } else {

```



```

        response.sendRedirect("error.jsp"); // Redirect to an
error page
    }
    } catch (Exception e) {
        e.printStackTrace();
        // Handle database errors or exceptions here
        response.sendRedirect("error.jsp"); // Redirect to an
error page
    }
}
}
}

```

//Member.java

```

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

```

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

```

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 = "Reshma20$";
    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.getEmail());
        ps.setString(3, member.getPassword());
        ps.executeUpdate();
    } catch (SQLException e) {
        // TODO Auto-generated catch block
        e.printStackTrace();
        result = "Data not entered";
    }
    return result;
}
}

```

//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>
<style>
body {
text-align: center;
}
h2 {
color: #333;
}
form {
margin-top: 20px;
}
table {
margin: 0 auto;
}

```

```

td {
padding: 5px;
}
input[type="text"],
input[type="time"],
input[type="radio"] {
padding: 5px;
border-radius: 4px;
border: 1px solid #ccc;
}
input[type="submit"] {
padding: 5px 10px;
background-color: #f2f2f2;
border-radius: 4px;
border: none;
cursor: pointer;
}
input[type="submit"]:hover {
background-color: #ddd;
}
</style>
</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 http-equiv="Content-Type" content="text/html; charset=UTF-8">
    <title>ADMIN HOME</title>
</head>
<body>
    <h2>Welcome to Admin Home</h2>

    <!-- Add button/link to navigate to the 'add.jsp' page for adding new
records -->
    <a href="addrail.jsp">Add New Record</a>

    <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>
        <sql:setDataSource var="snapshot" driver="com.mysql.jdbc.Driver"
url="jdbc:mysql://localhost:3306/railway" user="root"
    password="Reshma20$" />
        <sql:query dataSource="${snapshot}" var="result">
            SELECT * FROM `railway`.`adminhome`;
        </sql:query>
        <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>
                    <a href="update.jsp?id=<c:out value="${row.id}"
/>">Update</a>
                    <a href="delete.jsp?id=<c:out value="${row.id}"
/>">Delete</a>
                </td>
            </tr>
        </c:forEach>
    </table>
</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>Admin Login</title>
<style>
body {
text-align: center;
}
h2 {
color: #333;
}
form {
margin-top: 20px;
}
table {
margin: 0 auto;
}
td {
padding: 5px;
}
input[type="text"], input[type="password"] {
padding: 5px;
border-radius: 4px;
border: 1px solid #ccc;
}
input[type="submit"] {
padding: 5px 10px;
background-color: #f2f2f2;
border-radius: 4px;
border: none;
cursor: pointer;
}
input[type="submit"]:hover {
background-color: #ddd;
}
a {
color: blue;
text-decoration: none;
}
</style>
</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>
</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 http-equiv="Content-Type" content="text/html; charset=UTF-8">
    <title>Delete Crossing Process</title>
</head>
<body>
    <h2>Delete Crossing Process</h2>
    <sql:setDataSource var="snapshot" driver="com.mysql.jdbc.Driver"
url="jdbc:mysql://localhost:3306/railway" user="root"
password="Reshma20$" />
    <c:if test="${not empty param.id}">
        <sql:update dataSource="${snapshot}">
            DELETE FROM adminhome WHERE id=?
            <sql:param value="${param.id}" />
        </sql:update>
        <script>
            window.location.href = "adminhome.jsp";
        </script>
    </c:if>
    <a href="adminhome.jsp">Back to Admin Home</a>
</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 page</title>
</head>
<body>
    <h2>Favorite Search Results</h2>
    <sql:setDataSource var="snapshot" driver="com.mysql.cj.jdbc.Driver"

```

```

        url="jdbc:mysql://localhost:3306/railway" user="root"
password="Reshma20$" />

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

```

//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>
<style>
body {
font-family: Arial, sans-serif;
background-color: #f2f2f2;
padding: 20px;
text-align: center;
}
h3 {
color: #333;
}
a {
display: inline-block;
margin: 10px 0;
padding: 10px 20px;
background-color: #007bff;
color: #fff;
text-decoration: none;

```



```

border-radius: 5px;
}
a:hover {
background-color: #0056b3;
}
</style>
</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

```

<%@ 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>
<style>
body {
font-family: Arial, sans-serif;
background-color: #f2f2f2;
}
form {
max-width: 400px;
margin: 0 auto;
padding: 20px;
background-color: #fff;
border-radius: 5px;
box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
}
h2 {
text-align: center;
color: #333;
}
table {
margin-top: 20px;
width: 100%;
}
td {
padding: 10px;
}
input[type="text"], input[type="password"] {
width: 100%;
padding: 8px;
border-radius: 4px;
border: 1px solid #ccc;
}
input[type="submit"] {
width: 100%;
padding: 8px;
border-radius: 4px;

```

```

background-color: #4CAF50;
color: #fff;
cursor: pointer;
}
input[type="submit"]:hover {
background-color: #45a049;
}
a {
text-decoration: none;
color: #333;
}
</style>
</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>
<tr>
<td><input type="submit" value="Login"><br>
<br> <br>Don't have an account?<a href="Registration.jsp">Sign
In</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>
<style>
body {
font-family: Arial, sans-serif;
background-color: #f2f2f2;
}
form {

```

```

max-width: 400px;
margin: 0 auto;
padding: 20px;
background-color: #fff;
border-radius: 5px;
box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
}
h2 {
text-align: center;
color: #333;
}
table {
margin-top: 20px;
width: 100%;
}
td {
padding: 10px;
}
input[type="text"], input[type="password"] {
width: 100%;
padding: 8px;
border-radius: 4px;
border: 1px solid #ccc;
}
input[type="submit"] {
width: 100%;
padding: 8px;
border-radius: 4px;
background-color: #4CAF50;
color: #fff;
cursor: pointer;
}
input[type="submit"]:hover {
background-color: #45a049;
}
a {
text-decoration: none;
}
</style>
</head>
<body>
<form action="Register" method="post">
<div align=center>
<h2>User Registration</h2>
<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>

```

//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>

```

//searchResult.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="Reshma20$"
/>
<c:set var="keyword" value="${param.keyword}" />
<sql:query dataSource="${snapshot}" var="result">
SELECT * FROM `railway`.`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" %>
<!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>Update Railway Crossing</title>
<style>
    body {
        text-align: center;
    }
    h2 {
        color: #333;
    }
    form {
        margin-top: 20px;
    }
    table {
        margin: 0 auto;
    }
    td {
        padding: 5px;
    }
    input[type="text"],
    input[type="time"],
    input[type="radio"] {
        padding: 5px;
        border-radius: 4px;
    }

```

```

        border: 1px solid #ccc;
    }
    input[type="submit"] {
        padding: 5px 10px;
        background-color: #f2f2f2;
        border-radius: 4px;
        border: none;
        cursor: pointer;
    }
    input[type="submit"]:hover {
        background-color: #ddd;
    }
}
</style>
</head>
<body>
    <h2>Update Railway Crossing</h2>
    <form action="UpdateRailCrossingServlet" method="POST">
        <table>
            <tr>
                <td>Name:</td>
                <td><input type="text" name="Name" value="<%=
request.getAttribute("Name") %>" required></td>
            </tr>
            <tr>
                <td>Address:</td>
                <td><input type="text" name="Address" value="<%=
request.getAttribute("Address") %>" required></td>
            </tr>
            <tr>
                <td>Landmark:</td>
                <td><input type="text" name="Landmark" value="<%=
request.getAttribute("Landmark") %>" required></td>
            </tr>
            <tr>
                <td>Time Schedule:</td>
                <td><input type="text" name="Trainschedule" value="<%=
request.getAttribute("Trainschedule") %>" required></td>
            </tr>
            <tr>
                <td>Person In-Charge:</td>
                <td><input type="text" name="pname" value="<%=
request.getAttribute("pname") %>" required></td>
            </tr>
            <tr>
                <td>Status:</td>
                <td>
                    <input type="radio" name="status" value="open" required
<%= ("open".equals(request.getAttribute("status"))) ? "checked" : "">
open
                    <input type="radio" name="status" value="closed"
required <%= ("closed".equals(request.getAttribute("status"))) ? "checked" :
""> closed
                </td>
            </tr>
            <tr>
                <td><input type="submit" value="Update Crossing"></td>
            </tr>
        </table>
    </form>
</body>
</html>

```

//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;
    }
    .box {
        border: 1px solid #ccc;
        padding: 10px;
        margin: 10px;
        background-color: #f9f9f9;
    }
    .button-green {
        background-color: green;
        color: white;
        border: none;
        padding: 5px 10px;
        border-radius: 5px;
    }
    .button-red {
        background-color: red;
        color: white;
        border: none;
        padding: 5px 10px;
        border-radius: 5px;
    }
</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="Reshma20$" />
<sql:query dataSource="${snapshot}" var="result">
SELECT * FROM `railway`.`adminhome`;
</sql:query>
<c:forEach var="row" items="${result.rows}">
    <div class="box">
        <h4>
            Name:
            <c:out value="${row.Name}" />
        </h4>
    </div>
</c:forEach>
</body>
</html>
```

```

</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:
    <span class="\<c:out value="\${row.status} == 'open' ? 'button-
green' : 'button-red'" />">
        <c:out value="\${row.status}" />
    </span>
</p>
<c:set var="isFavorite" value="false" />
<sql:query dataSource="\${snapshot}" var="favorites">
    SELECT * FROM favorites WHERE id = '\${row.id}';
</sql:query>
<c:if test="\${not empty favorites.rows}">
    <c:set var="isFavorite" value="true" />
</c:if>
<c:choose>
    <c:when test="\${isFavorite eq true}">
        <form action="RemoveFromFavorite" method="POST">
            <input type="hidden" name="id" value="\${row.id}" />
            <input type="submit" class="button-red" value="Remove
from Favorite" />
        </form>
    </c:when>
    <c:otherwise>
        <form action="AddToFavorite" method="POST">
            <input type="hidden" name="id" value="\${row.id}" />
            <input type="submit" class="button-green" value="Add to
Favorite" />
        </form>
    </c:otherwise>
</c:choose>
</div>
</c:forEach>
<a class="link" href="login.jsp">Logout</a>
</body>
</html>

```