

## RAILWAYCROSSINGSTATUS

### SOURCE CODE :

#### MySql:DATABASE

```
create database railway;
use railway;

CREATE TABLE user(

uname VARCHAR(45) NOT NULL,

email VARCHAR(45) NOT NULL,

password VARCHAR(45) NOT NULL,
PRIMARY KEY (uname));

CREATE TABLE admin (

uname VARCHAR(45) NOT NULL,

password VARCHAR(45) NOT NULL,

PRIMARY KEY (uname));

insert into admin values ('Admin', '12345');

CREATE TABLE railway. adminhome(

id INT NOT NULL auto_increment , Name VARCHAR(45) NOT NULL,

Address VARCHAR(45) NOT NULL,

Landmark VARCHAR(45) NOT NULL, Trainschedule TIME NOT NULL,

pname VARCHAR(45) NOT NULL,
status VARCHAR(45) NOT NULL,

UNIQUE INDEX id_Unique (id ASC) VISIBLE,

PRIMARY KEY(id));

CREATE TABLE favorites ( Address VARCHAR(255),

id INT PRIMARY KEY,

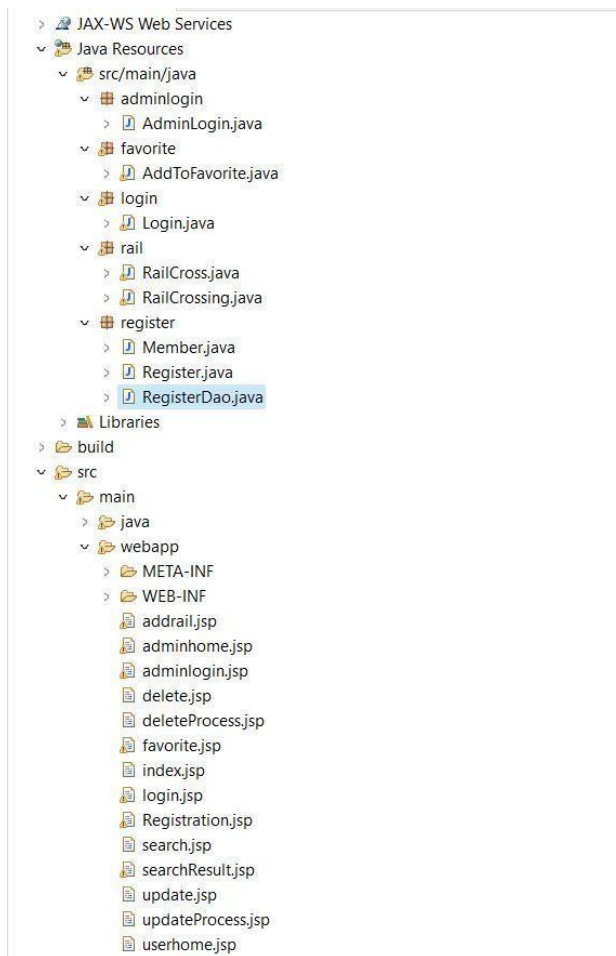
Name VARCHAR(255),

Landmark VARCHAR(255),

Trainschedule VARCHAR(255), pname VARCHAR(255),

status VARCHAR(255)
```

## Dynamicprojectcreateformat



### 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>UserLogin</title>
</head>
</head>
<body>
<h3>WelcometoRailwayCrossing!!!</h3>
<a href="login.jsp">UserLogin</a><br><br>
<a href="adminlogin.jsp">AdminLogin</a>
</body>
</html>
```

## login.jsp(userlogin)

```
<%@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>UserLogin</title>
</head>
<body>
<div align="center">
<h2>UserLogin</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>Registerform</title>
</head>
<body>
<form action="Register" method="post">
<div align="center">
<h3>UserRegistration</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>UserLogin</title>
</head>
<body>
<div align="center">
<h2>AdminLogin</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>AdminHome</title>
</head>
<body>
<h2>AdminHome</h2>
<a href="adminhome.jsp">Home</a><br>
<a href="addrail.jsp">AddRailwayCrossing</a><br>
```

```

<a href="search.jsp">SearchCrossing</a><br><br>
<sql:setDataSource var="snapshot" driver="com.mysql.jdbc.Driver"
url="jdbc:mysql://localhost:3306/railway"
user="root" password="Kavya@1122"/>
<sql:query dataSource="${snapshot}" var="result">SELECT
* from adminhome;
</sql:query>
<table border="1" width="100%">
<tr>
<th>Sr.No</th>
<th>Name</th>
<th>Address</th>
<th>Landmark</th>
<th>TimeSchedule</th>
<th>PersonIn-Charge</th>
<th>Status</th>
<th>Action</th>
</tr>
<c:forEach var="row" items="${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 HTML4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">

```

```

<title>AddRailwayCrossing</title>
</head>
<body>
<h2>AddRailwayCrossing</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>TimeSchedule:</td>
<td><input type="text" name="Trainschedule" required></td>
</tr>
<tr>
<td>PersonIn-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="AddCrossing"></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>UpdateRailwayCrossing</title>
</head>
<body>
<h2>UpdateRailwayCrossing</h2>
<sql:setDataSource
var="snapshot" driver="com.mysql.jdbc.Driver" url="jdbc:mysql://localhost:3306/
railway" user="root" password="Kavya@1122"
/>
<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>TimeSchedule:</td>
<td><input type="time" name="Trainschedule" value="${row.Trainschedule}" required></td>
</tr>
<tr>
<td>PersonIn-Charge:</td>
<td><input type="text" name="pname" value="${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="UpdateCrossing"></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="Kavya@1122"
/>
<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>
<metahttp-equiv="Content-Type"content="text/html;charset=UTF-8">
<title>DeleteRecord</title>
</head>
<body>
<h2>DeleteRecord</h2>
<sql:setDataSource
var="snapshot"driver="com.mysql.jdbc.Driver"url="jdbc:mysql://localhost:3306/
railway"user="root"password="Kavya@1122"
/>

<c:iftest="${notemptyparam.id}">
<sql:querydataSource="${snapshot}"var="result">SELECT
* FROM adminhome WHERE id = ?
<sql:paramvalue="${param.id}" />
</sql:query>

<c:iftest="${notemptyresult.rows}">
<c:forEachvar="row"items="${result.rows}">
<formaction="deleteProcess.jsp"method="POST">
<inputtype="hidden"name="id"value="${row.id}" />
<labelfor="id">RecordSr.No:</label>
<inputtype="text"id="id"name="id"value="${row.id}"required><br><br>
<inputtype="submit"value="ConfirmDelete">
</form>
</c:forEach>
</c:if>
</c:if>
</body>
</html>

```

## deleteProcess.jsp

```

<%@pagelanguage="java"contentType="text/html;charset=UTF-8"
pageEncoding="UTF-8"%>
<%@pageimport="java.io.*,java.util.*,java.sql.*"%>
<%@pageimport="javax.servlet.http.*,javax.servlet.*"%>

<%
Stringid=request.getParameter("id");

//CheckifIDisprovided
if(id!=null&&!id.isEmpty()){
try{
//Databaseconnectiondetails
Stringurl="jdbc:mysql://localhost:3306/railway";
String user = "root";
Stringpassword="Kavya@1122";

```

```

//Createdatabaseconnection
Connectionconn=DriverManager.getConnection(url,user,password);

//Prepareandexecutethedeletestatement
String sql = "DELETE FROM adminhome WHERE id = ?";
PreparedStatementpstmt=conn.prepareStatement(sql);
pstmt.setString(1, id);
pstmt.executeUpdate();

//Closeresources
pstmt.close();
conn.close();

//Redirectbacktodelete.jspwithsuccessmessage
response.sendRedirect("delete.jsp?success=true");
} catch (SQLException e) {
    e.printStackTrace();
    // Handle database errors
    response.sendRedirect("delete.jsp?error=true");
}
} else {
    //IDisnotprovided,redirectbacktodelete.jspwitherrormessage
    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>UserHome</title>
<style>
    .header{
        text-align: center;
        margin-bottom: 20px;
    }
    .link
    {display:
    block;
    margin-bottom: 10px;

```

```

}
</style>
</head>
<body>
<h2>UserHome</h2>
<a class="link" href="userhome.jsp">Home</a>
<a class="link" href="search.jsp">SearchCrossing</a>
<a class="link" href="favorite.jsp">FavoriteCrossing</a>
<sql:setDataSource
var="snapshot" driver="com.mysql.jdbc.Driver" url="jdbc:mysql://localhost:3306/
railway" user="root" password="Kavya@1122"
/>

<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>TimeSchedule:<c:out value="${row.Trainschedule}" /></p>
<p>PersonIn-Charge:<c:out value="${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="AddtoFavorite" />
</form>
</div>
<hr />
</c:forEach>
<a class="link" href="login.jsp">Logout</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>SearchCrossing</title>
</head>
<body>
<h2>SearchCrossing</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>SearchResults</title>
</head>
<body>
<h2>SearchResults</h2>
<sql:setDataSource
var="snapshot" driver="com.mysql.cj.jdbc.Driver" url="jdbc:mysql://localhost:33
06/railway" user="root" password="Kavya@1122"
/>
<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>TimeSchedule</th>
<th>PersonIn-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="Kavya@1122"
/>

<sql:query dataSource="${snapshot}" var="favorites">SEL
ECT * 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>
```

```
</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","Kavya@
1122");

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("<fontcolor=redsize=2>Invalidusernameorpassword<br>");
out.println("<a href=login.jsp>Try Again</a>");
}
} catch (ClassNotFoundException)
{e.printStackTrace();
} catch (SQLException) {
//TODOAuto-generatedcatchblock 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");

//Performnecessaryoperationstoaddtheitemtofavorites
try{
// Establish database connection
Class.forName("com.mysql.jdbc.Driver");
Connection connection =
DriverManager.getConnection("jdbc:mysql://localhost:3306/railway", "root",
"Kavya@1122");

//PrepareSQLstatementtoinsertthefavoritecrossing

```

```

Stringsql="INSERTINTOfavorites(id,Name,Address,Landmark, Trainschedule,
pname, status) "+
"SELECTid,Name,Address,Landmark,Trainschedule,pname,status"+ "FROM
adminhome WHERE id = ?";
PreparedStatementstatement=connection.prepareStatement(sql);
statement.setString(1, itemId);

//ExecutetheSQLstatement
introwsAffected=statement.executeUpdate();

//ClosetheDATABASEconnection
statement.close();
connection.close();

//Redirecttheuserbacktotheuserhomepage
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","Kavya@1122");

    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("<fontcolor=redsize=2>Invalidusernameorpassword<br>");
out.println("<a href=login.jsp>Try Again</a>");
}
}catch(ClassNotFoundException)
{e.printStackTrace();
}catch(SQLException){
//TODOAuto-generatedcatchblock
e.printStackTrace();
}
}

privatePreparedStatementprepareStatement(Stringstring){
//TODOAuto-generatedmethodstub
returnnull;
}

}

```

## RailCross.java(normalclass)

```
package rail;
```

```
import java.sql.Time;
```

```

public class RailCross{
privateStringname;private
String address; private
String landmark;
privateStringtrainSchedule;
privateStringpersonInCharge;
privateStringstatus;

```

```
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;
}
```

```
publicStringgetPersonInCharge() {  
    returnpersonInCharge;  
}
```

```
publicvoidsetPersonInCharge(StringpersonInCharge) {  
    this.personInCharge=personInCharge;  
}
```

```
publicStringgetStatus() {  
    returnstatus;  
}
```

```
publicvoidsetStatus(Stringstatus) {  
    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 = "Kavya@1122";  
    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 (Servlet)**

```
packageregister;
```

```
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;
```

```
/**
```

```
 *ServletimplementationclassRegister
```

```
 */
```

```
@WebServlet("/Register")
```

```
publicclassRegisterextendsHttpServlet
```

```
{privatestaticfinallongserialVersionUID=1L;
```

```
/**
```

```
 *@seeHttpServlet#HttpServlet()
```

```
 */
```

```
publicRegister()
```

```
    {super();
```

```
    //TODOAuto-generatedconstructorstub
```

```
    }
```

```
/**
```

```
 *@seeHttpServlet#doGet(HttpServletRequestrequest,HttpServletResponseresponse)
```

```

*/

protectedvoiddoGet(HttpServletRequestrequest,HttpServletResponseresponse)throws
ServletException, IOException {

//TODOAuto-generatedmethodstub

response.getWriter().append("Servedat:").append(request.getContextPath());

}

/**
 *@seeHttpServletRequest#doPost(HttpServletRequestrequest,HttpServletResponseresponse)
 */

protectedvoiddoPost(HttpServletRequestrequest,HttpServletResponseresponse)throws
ServletException, IOException {

//TODOAuto-generatedmethodstub

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

Memberuser=newMember(uname,password,email);

RegisterDaorDao=newRegisterDao(); String
result = rDao.insert(user);
response.getWriter().print(result);
}

}

```

## RegisterDao.java(Normalclass)

```

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 = "Kavya@1122";
    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;
    }
}

```

