//login.jsp

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<meta http-equiv="X-UA-Compatible" content="ie=edge">

<title>Login</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-9ndCyUaIbzAi2FUVXJi0CjmCapSmO7SnpJef0486qhLnuZ2cdeRhO02iuK6FUUVM" crossorigin="anonymous">

<!-- Main css -->

<link rel="stylesheet" href="css/style.css">

</head>

<body>

<nav class="navbar" style="background-color: #e3f2fd;">

<div class="container-fluid">

<h3>Welcome To Railway Status Platform</h3>

</div>

</nav>

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/js/bootstrap.bundle.min.js" integrity="sha384-geWF76RCwLtnZ8qwWowPQNguL3RmwHVBC9FhGdlKrxdiJJigb/j/68SIy3Te4Bkz" crossorigin="anonymous"></script>

<div class="main">

<!-- Sing in Form -->

<section class="sign-in">

<div class="container">

<div class="signin-content">

<div class="signin-form">

<h2 class="form-title">User Login</h2>

<form method="post" action="login" class="register-form"

id="login-form">

<div class="form-group">

<label for="username"></label><h6>Enter Email:</h6> <input

type="text" name="name" id="username"

/>

</div>

<div class="form-group">

<label for="password"></label><h6>Enter password:</h6> <input

type="password" name="pass" id="password"

/>

</div>

<div class="form-group form-button">

<input type="submit" name="signin" id="signin"

class="form-submit" value="Log in" />

</div>

<div>

<h6><a href="registration.jsp" >Don't have account? Create an account</a></h6>

</div><br>

</form>

<div>

<h4>Click here for Admin Control:</h4>

<button type="button" class="btn btn-outline-success"><a href="admin.jsp" class="link-dark">Admin login</a></button>

</div>

</div>

</div>

</div>

</section>

</div>

<!-- JS -->

<script src="vendor/jquery/jquery.min.js"></script>

<script src="js/main.js"></script>

</body>

</html>

//registration.jsp

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<meta http-equiv="X-UA-Compatible" content="ie=edge">

<title>Registration</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-9ndCyUaIbzAi2FUVXJi0CjmCapSmO7SnpJef0486qhLnuZ2cdeRhO02iuK6FUUVM" crossorigin="anonymous">

<!-- Main css -->

<link rel="stylesheet" href="css/style.css">

</head>

<body>

<nav class="navbar" style="background-color: #e3f2fd;">

<div class="container-fluid">

<h3>Welcome To Railway Status Platform</h3>

</div>

</nav>

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/js/bootstrap.bundle.min.js" integrity="sha384-geWF76RCwLtnZ8qwWowPQNguL3RmwHVBC9FhGdlKrxdiJJigb/j/68SIy3Te4Bkz" crossorigin="anonymous"></script>

<div class="main">

<!-- Sign up form -->

<section class="signup">

<div class="container">

<div class="signup-content">

<div class="signup-form">

<h2 class="form-title">Railway Crossing</h2>

<h4 class="form-title">User Register</h4>

<form method="post" action="register" class="register-form"

id="register-form">

<div class="form-group">

<label for="name"></label>Enter Name: <input

type="text" name="name" id="name" placeholder="Your Name" />

</div>

<div class="form-group">

<label for="email"></label>Enter Email: <input

type="email" name="email" id="email" placeholder="Your Email" />

</div>

<div class="form-group">

<label for="pass"></label>Enter Password: <input

type="password" name="pass" id="pass" placeholder="Password" />

<div class="form-group form-button">

<input type="submit" name="signup" id="signup"

class="form-submit" value="Register" />

</div>

</form>

</div><br>

<div >

<h5> Already have account?</h5></div>

<div>

<button type="button" class="btn btn-outline-primary"><a href="login.jsp" class="signup-image-link"class="link-dark">Sign In Instead</a></button>

</div>

</div>

</div>

</section>

</div>

<!-- JS -->

<script src="vendor/jquery/jquery.min.js"></script>

<script src="js/main.js"></script>

</body>

</html>

//index.jsp

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

pageEncoding="ISO-8859-1"%>

<%@ page import="javax.servlet.http.HttpSession" %>

<%@ page import="java.util.ArrayList" %>

<%@ page import="com.railway.model.Railway" %>

<%@ page import="com.railway.service.RailOperations" %>

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

<%

if(session.getAttribute("uemail")==null){

response.sendRedirect("login.jsp");

}

%>

<%

RailOperations railOperations = new RailOperations();

Railway ismatChok = railOperations.GetRailDetails(1);

Railway midhaChok = railOperations.GetRailDetails(2);

Railway abcChok = railOperations.GetRailDetails(3);

Railway bcChok = railOperations.GetRailDetails(9);

%>

<!DOCTYPE html>

<html>

<head>

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

<title>User Home page</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-9ndCyUaIbzAi2FUVXJi0CjmCapSmO7SnpJef0486qhLnuZ2cdeRhO02iuK6FUUVM" crossorigin="anonymous">

</head>

<body>

<body id="page-top">

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/js/bootstrap.bundle.min.js" integrity="sha384-geWF76RCwLtnZ8qwWowPQNguL3RmwHVBC9FhGdlKrxdiJJigb/j/68SIy3Te4Bkz" crossorigin="anonymous"></script>

<nav class="navbar bg-body-tertiary">

<div class="container-fluid">

<a class="navbar-brand"><h2>User Home page</h2></a>

<form class="d-flex" role="search">

<button class="btn btn-outline-success" type="submit"><a href="logout">Logout</a></button>

</form>

</div>

</nav>

<div style = "position:relative;left:20px;top:2px;">

<button class="btn btn-secondary">All</button>

<a href="fav.jsp" class="btn btn-secondary">Favourites</a>

</div>

<div class="card w-76 mb-4">

<div class="card-body">

<p class="card-text">Address: <%= ismatChok.getAddress() %> </p>

<p class="card-text">Crossing Status: <%= ismatChok.getStatus() %> </p>

<p class="card-text">Person-In-charge: <%= ismatChok.getpName() %> </p>

<p class="card-text">Train Schedule: <%= ismatChok.getTrainTime() %> </p>

<p class="card-text">Landmark: <%= ismatChok.getLandmark() %> </p>

<form action="AddToFavouritesServlet" method="post">

<input type="hidden" name="item" value="----------------------------------------------------->

<br>Address: <%= ismatChok.getAddress() %>

<br>Crossing Status: <%= ismatChok.getStatus() %>

<br>Person-In-charge: <%= ismatChok.getpName() %>

<br>Train Schedule: <%= ismatChok.getTrainTime() %>

<br>Landmark: <%= ismatChok.getLandmark() %>

" />

<button type="submit" class="btn btn-primary">Add to favourites</button>

</form>

</div>

</div>

<div class="card w-76 mb-3">

<div class="card-body">

<p class="card-text">Address: <%= midhaChok.getAddress() %></p>

<p class="card-text">Crossing Status: <%= midhaChok.getStatus() %> </p>

<p class="card-text">Person-In-charge: <%= midhaChok.getpName() %></p>

<p class="card-text">Train Schedule: <%= midhaChok.getTrainTime() %></p>

<p class="card-text">Landmark: <%= midhaChok.getLandmark() %></p>

<form action="AddToFavouritesServlet" method="post">

<input type="hidden" name="item" value="----------------------------------------------------->

<br>Address: <%= midhaChok.getAddress() %>

<br>Crossing Status: <%= midhaChok.getStatus() %>

<br>Person-In-charge: <%= midhaChok.getpName() %>

<br>Train Schedule: <%= midhaChok.getTrainTime() %>

<br>Landmark: <%= midhaChok.getLandmark() %>

" />

<button type="submit" class="btn btn-primary">Add to favourites</button>

</form>

</div>

</div>

<div class="card w-76 mb-3">

<div class="card-body">

<p class="card-text">Address: <%= abcChok.getAddress() %></p>

<p class="card-text">Crossing Status: <%= abcChok.getStatus() %></p>

<p class="card-text">Person-In-charge: <%= abcChok.getpName() %></p>

<p class="card-text">Train Schedule: <%= abcChok.getTrainTime() %></p>

<p class="card-text">Landmark: <%= abcChok.getLandmark() %></p>

<form action="AddToFavouritesServlet" method="post">

<input type="hidden" name="item" value="----------------------------------------------------->

<br>Address: <%= abcChok.getAddress() %>

<br>Crossing Status: <%= abcChok.getStatus() %>

<br>Person-In-charge: <%= abcChok.getpName() %>

<br>Train Schedule: <%= abcChok.getTrainTime() %>

<br>Landmark: <%= abcChok.getLandmark() %>

" />

<button type="submit" class="btn btn-primary">Add to favourites</button>

</form>

</div>

</div>

<div class="card w-76 mb-3">

<div class="card-body">

<p class="card-text">Address: <%= bcChok.getAddress() %></p>

<p class="card-text">Crossing Status: <%= bcChok.getStatus() %> </p>

<p class="card-text">Person-In-charge: <%= bcChok.getpName() %></p>

<p class="card-text">Train Schedule: <%= bcChok.getTrainTime() %></p>

<p class="card-text">Landmark: <%= bcChok.getLandmark() %></p>

<form action="AddToFavouritesServlet" method="post">

<input type="hidden" name="item" value="----------------------------------------------------->

<br>Address: <%= bcChok.getAddress() %>

<br>Crossing Status: <%= bcChok.getStatus() %>

<br>Person-In-charge: <%= bcChok.getpName() %>

<br>Train Schedule: <%= bcChok.getTrainTime() %>

<br>Landmark: <%= bcChok.getLandmark() %>

" />

<button type="submit" class="btn btn-primary">Add to favourites</button>

</form>

</div>

</div>

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/js/bootstrap.bundle.min.js"

integrity="sha384-geWF76RCwLtnZ8qwWowPQNguL3RmwHVBC9FhGdlKrxdiJJigb/j/68SIy3Te4Bkz"

crossorigin="anonymous"></script>

</body>

</html>

//admin.jsp

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

pageEncoding="ISO-8859-1"%>

<!DOCTYPE html>

<html>

<head>

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

<title>Admin Login</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-9ndCyUaIbzAi2FUVXJi0CjmCapSmO7SnpJef0486qhLnuZ2cdeRhO02iuK6FUUVM" crossorigin="anonymous">

</head>

<body>

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/js/bootstrap.bundle.min.js" integrity="sha384-geWF76RCwLtnZ8qwWowPQNguL3RmwHVBC9FhGdlKrxdiJJigb/j/68SIy3Te4Bkz" crossorigin="anonymous"></script>

<nav class="navbar" style="background-color: #e3f2fd;">

<div class="container-fluid">

<h3>Administration</h3>

<form class="d-flex" role="search">

<button class="btn btn-outline-success" type="submit"><a href="logout" class="link-dark">Logout</a></button>

</form>

</div>

</nav><br>

<div class="main">

<!-- Sing in Form -->

<section class="sign-in">

<div class="container">

<div class="signin-content">

<div class="signin-form">

<h2 class="form-title">Admin Login</h2>

<form method="post" action="admin" class="register-form"

id="login-form">

<div class="form-group">

<h6>Enter Email:</h6> <input

type="text" name="name" />

</div><br/>

<div class="form-group">

<h6>Enter password:</h6> <input

type="password" name="pass" />

</div><br/>

<div class="form-group form-button">

<input type="submit" name="signin" id="signin"

class="form-submit" value="Log in" />

</div>

</form>

</div>

</div>

</div>

</section>

</div>

</body>

</html>

//adminpage.jsp

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

pageEncoding="ISO-8859-1"%>

<%@ page import="com.railway.model.Railway" %>

<%@ page import="com.railway.service.RailOperations" %>

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

<!DOCTYPE html>

<html>

<head>

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

<title>Insert title here</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-9ndCyUaIbzAi2FUVXJi0CjmCapSmO7SnpJef0486qhLnuZ2cdeRhO02iuK6FUUVM" crossorigin="anonymous">

</head>

<body >

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/js/bootstrap.bundle.min.js" integrity="sha384-geWF76RCwLtnZ8qwWowPQNguL3RmwHVBC9FhGdlKrxdiJJigb/j/68SIy3Te4Bkz" crossorigin="anonymous"></script>

<nav class="navbar bg-body-tertiary">

<div class="container-fluid">

<h3>Admin Home page</h3>

<form class="d-flex" role="search">

<button class="btn btn-outline-success" type="submit"><a href="logout">Logout</a></button>

</form>

</div>

</nav>

<div class="row">

<div class="container">

<h3 class="text-center">List of Crossings</h3>

<h4><>Railway Crossings</h4>

<div style = "position:relative;left:20px;top:2px;">

<a href="AddNewRailway.jsp" class="btn btn-success">Add Crossings</a>

<a href="search.jsp" class="btn btn-success">Search Crossings</a>

</div>

<br>

<table class="table table-bordered">

<tr>

<th> SNo</th>

<th> Address</th>

<th> Landmark</th>

<th> PersonInCharge</th>

<th> CrossingStatus</th>

<th> TrainSchedule</th>

<th> Operations</th>

</tr>

<%

RailOperations ro=new RailOperations();

List<Railway> railInfo=ro.ShowAll();

for(Railway r:railInfo){

%>

<tr>

<td><%=r.getRid() %></td>

<td><%=r.getAddress() %></td>

<td><%=r.getLandmark() %></td>

<td><%=r.getpName() %></td>

<td><%=r.getStatus() %></td>

<td><%=r.getTrainTime() %></td>

<td>

<a href="DeleteRail?rlid=<%= r.getRid() %>" >Delete</a> &nbsp;&nbsp;&nbsp;

<a href="UpdateRail.jsp?rlid=<%= r.getRid() %>">Update</a>

</td>

</tr>

<%

}

%>

</table>

</div>

</div>

</body>

</html>

//AddNewRailway.jsp

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

pageEncoding="ISO-8859-1"%>

<!DOCTYPE html>

<html>

<head>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-9ndCyUaIbzAi2FUVXJi0CjmCapSmO7SnpJef0486qhLnuZ2cdeRhO02iuK6FUUVM" crossorigin="anonymous">

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

<title>Crossing Add</title>

</head>

<body style="background-color:#E8B665">

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/js/bootstrap.bundle.min.js" integrity="sha384-geWF76RCwLtnZ8qwWowPQNguL3RmwHVBC9FhGdlKrxdiJJigb/j/68SIy3Te4Bkz" crossorigin="anonymous"></script>

<nav class="navbar bg-body-tertiary">

<div class="container-fluid">

<h3>Add New Railway Crossing </h3>

<form class="d-flex" role="search">

<button class="btn btn-outline-success" type="submit"><a href="logout" class="link-dark">Logout</a></button>

</form>

</div>

</nav>

<br>

<div class="container col-md-5">

<div class="card">

<div class="card-body">

<fieldset class="form-group">

<form action="AddRailway" method="Post">

<label>Enter the Address:</label><br/> <input type="text"

name="txtAddress" class="form-control"

required="required"><br>

</fieldset>

<fieldset class="form-group">

<label>Enter the LandMark:</label><br/> <input type="text"

name="txtLandmark" class="form-control"

><br>

</fieldset>

<fieldset class="form-group">

<label>Enter the Train Schedule:</label><br/> <input type="text" class="form-control" class="form-control"

name="txtTime" /><br>

</fieldset>

<fieldset class="form-group">

<label>Enter Person In Charge:</label><br/> <input type="text"

name="txtPname" class="form-control"

><br>

</fieldset>

<fieldset class="form-group">

<h5>Enter the Status:</h5>

<input type="radio" name="txtStatus" value="OPEN"/><label>OPEN</label>

<input type="radio" name="txtStatus" value="CLOSE"/><label>CLOSE</label>

<br><br/>

</fieldset>

<button type="submit" class="btn btn-success">Save</button>

<button type="button" class="btn btn-outline-primary" ><a href="adminpage.jsp" class="link-dark">Admin Page</a></button>

</form>

</div>

</div>

</div>

</body>

</html>

//fav.jsp

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

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

<%@ page import="javax.servlet.http.HttpSession" %>

<%@ page import="java.util.ArrayList" %>

<!DOCTYPE html>

<html>

<head>

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

<title>Favourites</title>

</head>

<body>

<h1>Favourites</h1>

<button><a href="index.jsp" class="btn btn-success">Home</a></button>

<ul>

<%

HttpSession sessionObj = request.getSession();

ArrayList<String> favourites = (ArrayList<String>) sessionObj.getAttribute("favourites");

if (favourites != null) {

for (String item : favourites) {

%>

<li><%= item %></li>

<%

}

} else {

%>

<li>No favourites yet.</li>

<%

}

%>

</ul>

</body>

</html>

//UpdateRail.jsp

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

pageEncoding="ISO-8859-1"%>

<%@ page import="com.railway.model.Railway" %>

<%@ page import="com.railway.service.RailOperations" %>

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

<!DOCTYPE html>

<html>

<head>

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

<title>Insert title here</title>

</head>

<body style="background-color:rgb(60, 179, 113);">

<%

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

RailOperations ro=new RailOperations();

Railway rail=ro.GetRailDetails(Integer.parseInt(rlid));

%>

<h1 style="text-align:center;">Update Railway Crossing</h1>

<form style="text-align:center;" action="UpdateRailway" method="Post">

<input type="text" name="txtId" value='<%= rail.getRid() %>'/>

<br><br/>

Enter the Address

<br/>

<input type="text" name="txtAddress" value='<%=rail.getAddress() %>'/>

<br><br/>

Enter the LandMark

<br/>

<input type="text" name="txtLandmark" value='<%=rail.getLandmark() %>'/>

<br><br/>

Enter Person In Charge

<br/>

<input type="text" name="txtPname" value='<%=rail.getpName() %>'/>

<br><br/>

Current Status : <%= rail.getStatus() %>

<br>

Enter the Status

<br>

<%

if(rail.getStatus().equals("OPEN"))

{

%>

<input type="radio" name="txtStatus" value="OPEN" checked=checked /><label>OPEN</label>

<input type="radio" name="txtStatus" value="CLOSE"> <label>CLOSE</label>

<%

}

else

{

%>

<input type="radio" name="txtStatus" value="OPEN"/><label>OPEN</label>

<input type="radio" name="txtStatus" value="CLOSE" checked=checked /><label>CLOSE</label>

<%

}

%>

<br />

<br />

Train Schedule

<br/>

<input type="text" name="txtTime" value='<%=rail.getTrainTime() %>'/>

<br><br/>

<input type="submit" value="Click To Update Railway Crossing"/>

</form>

</body>

</html>

//fail.jsp

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

pageEncoding="ISO-8859-1"%>

<!DOCTYPE html>

<html>

<head>

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

<title>Insert title here</title>

</head>

<body>

<h2>Login Failed</h2>

<a href="login.jsp" class="link-dark">Click here to login</a>

</body>

</html>

//search.jsp

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

pageEncoding="ISO-8859-1"%>

<!DOCTYPE html>

<html>

<head>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-9ndCyUaIbzAi2FUVXJi0CjmCapSmO7SnpJef0486qhLnuZ2cdeRhO02iuK6FUUVM" crossorigin="anonymous">

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

<title>Search Crossing</title>

</head>

<body>

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/js/bootstrap.bundle.min.js" integrity="sha384-geWF76RCwLtnZ8qwWowPQNguL3RmwHVBC9FhGdlKrxdiJJigb/j/68SIy3Te4Bkz" crossorigin="anonymous"></script>

<form class="d-flex" role="search">

<input class="form-control me-7" type="search" placeholder="Search" aria-label="Search">

<button class="btn btn-outline-success" type="submit">Search</button>

</form>

</body>

</html>

//admin.java

package com.dev.register;

import java.io.IOException;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import javax.servlet.RequestDispatcher;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.HttpSession;

/\*\*

\* Servlet implementation class admin

\*/

@WebServlet("/admin")

public class admin extends HttpServlet {

private static final long serialVersionUID = 1L;

private static final String USERNAME = "admin";

private static final String PASSWORD = "pass";

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

try {

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

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

if (username.equals(USERNAME) && password.equals(PASSWORD)) {

// Authentication successful

response.sendRedirect("adminpage.jsp");

} else {

// Authentication failed

response.sendRedirect("fail.jsp"); // Redirect back to login page

}

}catch(Exception e) {

e.printStackTrace();

}

}

}

//login.java

package com.dev.register;

import java.io.IOException;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import javax.servlet.RequestDispatcher;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.HttpSession;

@WebServlet("/login")

public class login extends HttpServlet {

private static final long serialVersionUID = 1L;

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

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

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

HttpSession session = request.getSession();

RequestDispatcher dispatcher = null;

try {

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

Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/login","root","Root");

PreparedStatement pst = con.prepareStatement("select \* from cred where uemail = ? and password = ? ");

pst.setString(1, uemail);

pst.setString(2, password);

ResultSet rs = pst.executeQuery();

if(rs.next()) {

session.setAttribute("uemail", rs.getString("uemail"));

dispatcher = request.getRequestDispatcher("index.jsp");

}

else {

request.setAttribute("status", "Failed");

dispatcher = request.getRequestDispatcher("fail.jsp");

}

dispatcher.forward(request, response);

}catch(Exception e) {

e.printStackTrace();

}

}

}

//logout.java

package com.dev.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;

import javax.servlet.http.HttpSession;

/\*\*

\* Servlet implementation class logout

\*/

@WebServlet("/logout")

public class logout extends HttpServlet {

private static final long serialVersionUID = 1L;

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

HttpSession session = request.getSession();

session.invalidate();

response.sendRedirect("login.jsp");

}

}

//logoutAdmin.java

package com.dev.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;

import javax.servlet.http.HttpSession;

/\*\*

\* Servlet implementation class logoutAdmin

\*/

@WebServlet("/logoutAdmin")

public class logoutAdmin extends HttpServlet {

private static final long serialVersionUID = 1L;

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

HttpSession session = request.getSession();

session.invalidate();

response.sendRedirect("login.jsp");

}

}

//RegistrationServlet.java

package com.dev.register;

import java.io.IOException;

import java.io.PrintWriter;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.SQLException;

import javax.servlet.RequestDispatcher;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

/\*\*

\* Servlet implementation class RegistrationServlet

\*/

@WebServlet("/register")

public class RegistrationServlet extends HttpServlet {

private static final long serialVersionUID = 1L;

protected void doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

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

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

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

RequestDispatcher dispatcher = null;

Connection con= null;

try {

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

con = DriverManager.getConnection("jdbc:mysql://localhost:3306/login","root","Root");

PreparedStatement pst = con.prepareStatement("insert into cred(uname,uemail,password) values(?,?,?)");

pst.setString(1,uname);

pst.setString(2,uemail);

pst.setString(3,password);

int rowCount = pst.executeUpdate();

dispatcher = request.getRequestDispatcher("login.jsp");

if(rowCount > 0) {

request.setAttribute("status", "success");

}

else {

request.setAttribute("status", "Failed");

}

dispatcher.forward(request, response);

} catch (Exception e) {

e.printStackTrace();

}finally {

try {

con.close();

} catch (SQLException e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

}

}

}

//HiberConfig.java

package com.railway.dbcon;

import java.util.Properties;

import org.hibernate.SessionFactory;

import org.hibernate.boot.registry.StandardServiceRegistryBuilder;

import org.hibernate.cfg.Configuration;

import org.hibernate.cfg.Environment;

import org.hibernate.service.ServiceRegistry;

import com.railway.model.Railway;

public class HiberConfig {

private static SessionFactory sessionFactory;

public static SessionFactory getSessionFactory() {

if (sessionFactory == null) {

try

{

Configuration cfg = new Configuration();

Properties settings = new Properties();

settings.put(Environment.DRIVER, "com.mysql.cj.jdbc.Driver");

settings.put(Environment.URL, "jdbc:mysql://localhost:3306/RailwayCrossing?useSSL=false");

settings.put(Environment.USER, "root");

settings.put(Environment.PASS, "Root");

settings.put(Environment.DIALECT, "org.hibernate.dialect.MySQL5Dialect");

settings.put(Environment.SHOW\_SQL, "true");

settings.put(Environment.HBM2DDL\_AUTO, "update");

cfg.setProperties(settings);

//settings.put(Environment.CURRENT\_SESSION\_CONTEXT\_CLASS, "thread");

cfg.addAnnotatedClass(Railway.class);

//cfg.addAnnotatedClass(Employee.class);

ServiceRegistry serviceRegistry = new StandardServiceRegistryBuilder()

.applySettings(cfg.getProperties()).build();

System.out.println("Hibernate Java Config serviceRegistry created");

sessionFactory = (SessionFactory) cfg.buildSessionFactory(serviceRegistry);

}

catch(Exception ex)

{

ex.printStackTrace();

}

}

return sessionFactory;

}

}

//AddToFavourites.java

package com.railway.fav;

import java.io.IOException;

import java.util.ArrayList;

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 javax.servlet.http.HttpSession;

@WebServlet("/AddToFavouritesServlet")

public class AddToFavouritesServlet extends HttpServlet {

private static final long serialVersionUID = 1L;

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

String item = request.getParameter("item"); // Assuming "item" is the name of the parameter for each item

// Get the user's session

HttpSession session = request.getSession();

// Retrieve the user's favourites list from the session

ArrayList<String> favourites = (ArrayList<String>) session.getAttribute("favourites");

if (favourites == null) {

// If favourites list doesn't exist, create a new one

favourites = new ArrayList<>();

}

// Add the selected item to the favourites list

favourites.add(item);

session.setAttribute("favourites", favourites);

// Send a response back to the client

response.sendRedirect("index.jsp");

}

}

//Railway.java

package com.railway.model;

import javax.persistence.Column;

import javax.persistence.Entity;

import javax.persistence.GeneratedValue;

import javax.persistence.Id;

import javax.persistence.Table;

@Entity

@Table(name="RailwayCrossingStatus")

public class Railway {

@Id

@GeneratedValue

@Column(name="SNo")

private int Rid;

@Column(name="CrossingStatus")

private String status;

@Column(name="PersonInCharge")

private String pName;

@Column(name="TrainSchedule")

private String trainTime;

private String landmark;

private String address;

public int getRid() {

return Rid;

}

public void setRid(int rid) {

Rid = rid;

}

public String getStatus() {

return status;

}

public void setStatus(String status) {

this.status = status;

}

public String getpName() {

return pName;

}

public void setpName(String pName) {

this.pName = pName;

}

public String getTrainTime() {

return trainTime;

}

public void setTrainTime(String trainTime) {

this.trainTime = trainTime;

}

public String getLandmark() {

return landmark;

}

public void setLandmark(String landmark) {

this.landmark = landmark;

}

public String getAddress() {

return address;

}

public void setAddress(String address) {

this.address = address;

}

}

//RailOperations.java

package com.railway.service;

import java.io.Serializable;

import java.util.List;

import javax.persistence.TypedQuery;

import org.hibernate.Session;

import org.hibernate.SessionFactory;

import org.hibernate.Transaction;

import com.railway.dbcon.HiberConfig;

import com.railway.model.Railway;

public class RailOperations {

private SessionFactory sfactory = null;

public RailOperations()

{

sfactory = HiberConfig.getSessionFactory();

}

public String AddNewRail(Railway rail)

{

String result = "error";

Session session = sfactory.openSession();

Transaction trans = session.beginTransaction();

Serializable s = session.save(rail);

trans.commit();

if(s!=null)

result = "Success";

return result;

}

public List<Railway> ShowAll()

{

Session session = sfactory.openSession();

TypedQuery qry = session.createQuery("from Railway");

List<Railway> r1 = qry.getResultList();

return r1;

}

/\*public Railway UserCheck(String email, String pwd)

{

Railway rail = null;

Session session = sfactory.openSession();

TypedQuery qry = session.createQuery("from Student where email=:em and password=:pwd");

qry.setParameter("em", email);

qry.setParameter("pwd", pwd);

List<Railway> sall = qry.getResultList();

if(!sall.isEmpty())

rail = sall.get(0);

return rail;

}\*/

public boolean DeleteRailway(int rlid)

{

boolean b = false;

Session session = sfactory.openSession();

Transaction trans = session.beginTransaction();

TypedQuery qry = session.createQuery("Delete from Railway where Rid=:rlid");

qry.setParameter("rlid", rlid);

int res = qry.executeUpdate();

trans.commit();

if(res>=1)

b = true;

return b;

}

public Railway GetRailDetails(int rlid) {

Railway rail = null;

Session session = sfactory.openSession();

TypedQuery qry = session.createQuery("from Railway where Rid=:rlid");

qry.setParameter("rlid", rlid);;

List<Railway> sall = qry.getResultList();

if(!sall.isEmpty())

rail = sall.get(0);

return rail;

}

public String UpdateRailinfo(Railway rail)

{

String result = "error";

Session session = sfactory.openSession();

Transaction trans = session.beginTransaction();

TypedQuery qry = session.createQuery("Update Railway set pName=:name, status=:s, trainTime=:time where Rid=:rlid");

qry.setParameter("name", rail.getpName());

qry.setParameter("s", rail.getStatus());

qry.setParameter("time", rail.getTrainTime());

qry.setParameter("rlid", rail.getRid());

int res = qry.executeUpdate();

trans.commit();

if(res>=1)

result = "Success";

return result;

}

public Railway fetchRailwayDetails(int rlid) {

Session session = sfactory.openSession();

Transaction trans = session.beginTransaction();

try {

TypedQuery<Railway> query = session.createQuery("FROM Railway WHERE Rid = :rlid");

query.setParameter("rlid", rlid);

List<Railway> resultList = query.getResultList();

if (!resultList.isEmpty()) {

return resultList.get(0);

}

} catch (Exception e) {

trans.rollback();

e.printStackTrace();

} finally {

trans.commit();

session.close();

}

return null; // If no railway details are found

}

}

//AddRailway.java

package com.railway.servletinfo;

import java.io.IOException;

import java.io.PrintWriter;

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 org.hibernate.exception.SQLGrammarException;

import com.railway.model.Railway;

import com.railway.service.RailOperations;

/\*\*

\* Servlet implementation class AddRailway

\*/

@WebServlet("/AddRailway")

public class AddRailway extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public AddRailway() {

super();

// TODO Auto-generated constructor stub

}

/\*\*

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

\*/

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

response.setContentType("text/html");

PrintWriter out=response.getWriter();

try {

String adrs=request.getParameter("txtAddress");

String land=request.getParameter("txtLandmark");

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

String sta=request.getParameter("txtStatus");

String time=request.getParameter("txtTime");

Railway rail=new Railway();

rail.setAddress(adrs);

rail.setLandmark(land);

rail.setpName(name);

rail.setStatus(sta);

rail.setTrainTime(time);

RailOperations ro=new RailOperations();

String res=ro.AddNewRail(rail);

if(res.equals("Success"))

response.sendRedirect("AddNewRailway.jsp");

}

catch(Exception e) {

out.print(e);

}

}

}

//DeleteRail.java

package com.railway.servletinfo;

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 com.railway.service.RailOperations;

/\*\*

\* Servlet implementation class DeleteRail

\*/

@WebServlet("/DeleteRail")

public class DeleteRail extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public DeleteRail() {

super();

// TODO Auto-generated constructor stub

}

/\*\*

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

\*/

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

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

RailOperations ro=new RailOperations();

if(ro.DeleteRailway(Integer.parseInt(rlid))==true)

response.sendRedirect("adminpage.jsp");

}

}

//UpdateRailway.java

package com.railway.servletinfo;

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 com.railway.model.Railway;

import com.railway.service.RailOperations;

/\*\*

\* Servlet implementation class UpdateRailway

\*/

@WebServlet("/UpdateRailway")

public class UpdateRailway extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public UpdateRailway() {

super();

// TODO Auto-generated constructor stub

}

/\*\*

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

\*/

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

String Rid = request.getParameter("txtId");

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

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

String pName = request.getParameter("txtPname");

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

String trainTime = request.getParameter("txtTime");

Railway rail = new Railway();

rail.setRid(Integer.parseInt(Rid));

rail.setAddress(address);

rail.setLandmark(landmark);

rail.setpName(pName);

rail.setStatus(status);

rail.setTrainTime(trainTime);

RailOperations ro = new RailOperations();

String res = ro.UpdateRailinfo(rail);

if(res.equals("Success"))

response.sendRedirect("adminpage.jsp");

}

}

//web.xml

<?xml version="1.0" encoding="UTF-8"?>

<element>

<web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://java.sun.com/xml/ns/javaee" xsi:schemaLocation="http://java.sun.com/xml/ns/javaee http://java.sun.com/xml/ns/javaee/web-app\_2\_5.xsd" id="WebApp\_ID" version="2.5">

<display-name>Railway</display-name>

<welcome-file-list>

<welcome-file>registration.jsp</welcome-file>

</welcome-file-list>

<servlet>

<description></description>

<display-name>RegistrationServlet</display-name>

<servlet-name>RegistrationServlet</servlet-name>

<servlet-class>com.dev.register.RegistrationServlet</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>RegistrationServlet</servlet-name>

<url-pattern>/RegistrationServlet</url-pattern>

</servlet-mapping>

<servlet>

<description></description>

<display-name>login</display-name>

<servlet-name>login</servlet-name>

<servlet-class>com.dev.register.login</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>login</servlet-name>

<url-pattern>/login</url-pattern>

</servlet-mapping>

</web-app>

</element>

//Databases Used

Database name = “login”

Table name= “cred”

Cred columns = “uname”,”uemail”,”password”