

Sourcecode:

Addrailwaycrossing:

```
package com.simpli;
```

```
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;
```

```
@WebServlet(name = "AddCrossingServlet", urlPatterns = { "/addCrossing" })
```

```
public class AddCrossingServlet extends HttpServlet {
```

```
    protected void doPost(HttpServletRequest request, HttpServletResponse response)
```

```
        throws ServletException, IOException {
```

```
        // Retrieve the form data from the request
```

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

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

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

```
        String trainSchedules = request.getParameter("trainSchedules");
```

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

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

```
        // Create a new RailwayCrossing object with the form data
```

```
        RailwayCrossing crossing = new RailwayCrossing();
```

```
        crossing.setName(name);
```

```

        crossing.setAddress(address);

        crossing.setLandmark(landmark);

        crossing.setTrainSchedule(trainSchedules);

        crossing.setPersonInCharge(personInCharge);

        crossing.setStatus(status);

        // Save the new crossing to the database

        RailwayCrossingDAO crossingDAO = new RailwayCrossingDAO();

        crossingDAO.addCrossing(crossing);

        // Redirect to the admin homepage after adding the crossing

        response.sendRedirect("adminHome.jsp");
    }
}

```

Addto favourite servlet:

```

package com.simpli;

import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import java.io.IOException;

public class AddToFavoritesServlet extends HttpServlet {

    protected void doPost(HttpServletRequest request, HttpServletResponse response)

        throws ServletException, IOException {

```

```

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

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

            int railwayCrossingId = Integer.parseInt(crossingId);

            // Perform the database operation to add the crossing to favorites

            RailwayCrossingDAO crossingDAO = new RailwayCrossingDAO();

            crossingDAO.addToFavorites(railwayCrossingId); // Implement this method
in RailwayCrossingDAO

        }

        // Redirect back to the userHome.jsp page

        response.sendRedirect("userHome.jsp");

    }
}

```

Adminhomepage servlet:

```

package com.simpli;

import java.io.IOException;

import java.util.List;

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("/adminHomePage")

public class AdminHomePageServlet extends HttpServlet {

    private RailwayCrossingDAO crossingDAO;

```

```

    public void init() {

        crossingDAO = new RailwayCrossingDAO();

    }

    protected void doGet(HttpServletRequest request, HttpServletResponse response)

        throws ServletException, IOException {

        // Fetch all railway crossing details from the database

        List<RailwayCrossing> crossings = crossingDAO.getAllCrossings();

        // Pass the crossing details to the JSP page

        request.setAttribute("crossings", crossings);

        request.getRequestDispatcher("adminHome.jsp").forward(request, response);

    }

}

```

Adminloginpage servlet:

```
package com.simpli;
```

```

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;

```

```
@WebServlet("/adminLogin")
```

```
public class AdminLoginServlet extends HttpServlet {
```

```
private static final long serialVersionUID = 1L;
```

```
private static final String ADMIN_ID = "stainthomas@gmail.com";
```

```
private static final String ADMIN_PASSWORD = "stain123";
```

```
protected void doPost(HttpServletRequest request, HttpServletResponse response)
```

```
    throws ServletException, IOException {
```

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

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

```
    if (email != null && email.equals(ADMIN_ID) && password != null &&
password.equals(ADMIN_PASSWORD)) {
```

```
        response.sendRedirect("adminHome.jsp");
```

```
    } else {
```

```
        request.getRequestDispatcher("adminLogin.jsp").forward(request, response);
```

```
    }
```

```
}
```

```
}
```

Database connection:

```
package com.simpli;
```

```
import java.sql.Connection;
```

```
import java.sql.DriverManager;
```

```
import java.sql.SQLException;
```

```
public class DatabaseConnection {
```

```

private static final String URL = "jdbc:mysql://localhost:3306/railway_crossing_status";

private static final String USERNAME = "root";

private static final String PASSWORD = "R2@applefor";


public static Connection getConnection() {

    Connection connection = null;

    try {

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

        connection = DriverManager.getConnection(URL, USERNAME, PASSWORD);

    } catch (ClassNotFoundException | SQLException e) {

        e.printStackTrace();

    }

    return connection;

}
}

```

Deletingcrossing servlet:

```

package com.simpli;


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;


@WebServlet("/deleteCrossing")

```

```

public class DeleteCrossingServlet extends HttpServlet {

    protected void doPost(HttpServletRequest request, HttpServletResponse response)

        throws ServletException, IOException {

        // Retrieve the crossing ID from the request

        int crossingId = Integer.parseInt(request.getParameter("id"));

        // Perform the delete operation (implement your logic)

        RailwayCrossingDAO crossingDAO = new RailwayCrossingDAO();

        crossingDAO.deleteCrossing(crossingId);

        // Redirect to the admin homepage after the deletion

        response.sendRedirect("adminHome.jsp");

    }

}

```

Login servlet:

```

package com.simpli;

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;

```

```

@WebServlet("/login")

public class LoginServlet extends HttpServlet {

    protected void doPost(HttpServletRequest request, HttpServletResponse response)

        throws ServletException, IOException {

        // Retrieve the form data

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

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


        // Check if the provided credentials are valid

        UserDAO userDAO = new UserDAO();

        User user = userDAO.getUserByEmail(email);

        if (user != null && user.getPassword().equals(password)) {

            // Authentication successful

            // You can store user details in session for further use

            HttpSession session = request.getSession();

            session.setAttribute("user", user);


            // Redirect to a success page or perform any other necessary actions

            response.sendRedirect("userHome.jsp");

        } else {

            // Authentication failed

            // Redirect to an error page or display an error message

            response.sendRedirect("userRegister.jsp?error=1");

        }

    }

}

```



Railwaycrossing:

```
package com.simpli;

public class RailwayCrossing {
    private int id;
    private String name;
    private String address;
    private String landmark;
    private String trainSchedule;
    private String personInCharge;
    private String status;

    public RailwayCrossing() {
        super();
        // TODO Auto-generated constructor stub
    }

    public RailwayCrossing(int id, String name, String address, String
landmark, String trainSchedule,
        String personInCharge, String status) {
        super();
        this.id = id;
        this.name = name;
        this.address = address;
        this.landmark = landmark;
        this.trainSchedule = trainSchedule;
        this.personInCharge = personInCharge;
        this.status = status;
    }

    public int getId() {
        return id;
    }

    public void setId(int id) {
        this.id = id;
    }

    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;
    }

    public void setId(String string) {
        // TODO Auto-generated method stub
    }
}

```

Railwaycrossing DAO:

```
package com.simpli;
```

```
import java.sql.Connection;
```

```
import java.sql.PreparedStatement;
```

```
import java.sql.ResultSet;
```

```
import java.sql.SQLException;
```

```
import java.util.ArrayList;
```

```
import java.util.List;
```

```

public class RailwayCrossingDAO {

    private Connection connection;

    public RailwayCrossingDAO() {

        // Initialize the database connection

        connection = DatabaseConnection.getConnection();

    }

    // Fetch all values from the database

    public List<RailwayCrossing> getAllCrossings() {

        List<RailwayCrossing> crossings = new ArrayList<>();

        try {

            String query = "SELECT * FROM railway_crossing";

            PreparedStatement statement = connection.prepareStatement(query);

            ResultSet resultSet = statement.executeQuery();

            while (resultSet.next()) {

                RailwayCrossing crossing = new RailwayCrossing();

                crossing.setId(resultSet.getInt("id"));

                crossing.setName(resultSet.getString("name"));

                crossing.setAddress(resultSet.getString("address"));

                crossing.setLandmark(resultSet.getString("landmark"));

                crossing.setTrainSchedule(resultSet.getString("train_schedule"));

                crossing.setPersonInCharge(resultSet.getString("person_in_charge"));

                crossing.setStatus(resultSet.getString("status"));

                crossings.add(crossing);

            }

        }

    }

}

```

```

    } catch (SQLException e) {

        e.printStackTrace();

    }

    return crossings;

}

```

// Search values by id and display it from the database

```

public RailwayCrossing getCrossingById(int crossingId) {

    RailwayCrossing crossing = null;

    try {

        String query = "SELECT * FROM railway_crossing WHERE id = ?";

        PreparedStatement statement = connection.prepareStatement(query);

        statement.setInt(1, crossingId);

        ResultSet resultSet = statement.executeQuery();

        if (resultSet.next()) {

            crossing = new RailwayCrossing();

            crossing.setId(resultSet.getInt("id"));

            crossing.setName(resultSet.getString("name"));

            crossing.setAddress(resultSet.getString("address"));

            crossing.setLandmark(resultSet.getString("landmark"));

            crossing.setTrainSchedule(resultSet.getString("train_schedule"));

            crossing.setPersonInCharge(resultSet.getString("person_in_charge"));

            crossing.setStatus(resultSet.getString("status"));

        }

    } catch (SQLException e) {

        e.printStackTrace();

    }

}

```

```

        return crossing;
    }

    // update the values in the database

    public void updateCrossing(RailwayCrossing crossing) {
        try {
            String query = "UPDATE railway_crossing SET name=?, address=?,
landmark=?, train_schedule=?, person_in_charge=?, status=? WHERE id=?";

            PreparedStatement statement = connection.prepareStatement(query);

            statement.setString(1, crossing.getName());

            statement.setString(2, crossing.getAddress());

            statement.setString(3, crossing.getLandmark());

            statement.setString(4, crossing.getTrainSchedule());

            statement.setString(5, crossing.getPersonInCharge());

            statement.setString(6, crossing.getStatus());

            statement.setInt(7, crossing.getId());

            statement.executeUpdate();

        } catch (SQLException e) {
            e.printStackTrace();
        }
    }

    // Delete Railway Crossing

    public void deleteCrossing(int crossingId) {
        try {

            connection.setAutoCommit(false); // Start transaction

            // Delete associated favorite crossings

```

```
String deleteFavoriteCrossingsQuery = "DELETE FROM favorite_crossing  
WHERE railway_crossing_id = ?";
```

```
try (PreparedStatement deleteFavoriteCrossingsStatement = connection  
    .prepareStatement(deleteFavoriteCrossingsQuery)) {  
    deleteFavoriteCrossingsStatement.setInt(1, crossingId);  
    deleteFavoriteCrossingsStatement.executeUpdate();  
}
```

```
// Delete the railway crossing
```

```
String deleteRailwayCrossingQuery = "DELETE FROM railway_crossing  
WHERE id = ?";
```

```
try (PreparedStatement deleteRailwayCrossingStatement = connection  
    .prepareStatement(deleteRailwayCrossingQuery)) {  
    deleteRailwayCrossingStatement.setInt(1, crossingId);  
    deleteRailwayCrossingStatement.executeUpdate();  
}
```

```
connection.commit(); // Commit the transaction
```

```
connection.setAutoCommit(true); // Reset auto-commit to true
```

```
} catch (SQLException e) {
```

```
    try {
```

```
        connection.rollback(); // Rollback the transaction if an error occurs
```

```
    } catch (SQLException rollbackException) {
```

```
        rollbackException.printStackTrace();
```

```
    }
```

```
    e.printStackTrace();
```

```
}
```

```
}
```

```

// Add values to the database

public void addCrossing(RailwayCrossing crossing) {

    try {

        String query = "INSERT INTO railway_crossing (name, address, landmark,
train_schedule, person_in_charge, status) VALUES (?, ?, ?, ?, ?, ?)";

        PreparedStatement statement = connection.prepareStatement(query);

        statement.setString(1, crossing.getName());

        statement.setString(2, crossing.getAddress());

        statement.setString(3, crossing.getLandmark());

        statement.setString(4, crossing.getTrainSchedule());

        statement.setString(5, crossing.getPersonInCharge());

        statement.setString(6, crossing.getStatus());

        statement.executeUpdate();

    } catch (SQLException e) {

        e.printStackTrace();

    }

}

public List<RailwayCrossing> getFavoriteCrossings() {

    List<RailwayCrossing> favoriteCrossings = new ArrayList<>();

    try (Connection connection = DatabaseConnection.getConnection()) {

        String query = "SELECT rc.* FROM railway_crossing rc "

            + "JOIN favorite_crossing fc ON rc.id =

fc.railway_crossing_id";

        PreparedStatement statement = connection.prepareStatement(query);

        ResultSet resultSet = statement.executeQuery();

```

```

        while (resultSet.next()) {

            RailwayCrossing crossing = new RailwayCrossing();

            crossing.setId(resultSet.getInt("id"));

            crossing.setName(resultSet.getString("name"));

            crossing.setAddress(resultSet.getString("address"));

            crossing.setLandmark(resultSet.getString("landmark"));

            crossing.setTrainSchedule(resultSet.getString("train_schedule"));

            crossing.setPersonInCharge(resultSet.getString("person_in_charge"));

            crossing.setStatus(resultSet.getString("status"));

            favoriteCrossings.add(crossing);

        }

    } catch (SQLException e) {

        e.printStackTrace();

    }

    return favoriteCrossings;

}

public void addToFavorites(int crossingId) {

    try (Connection connection = DatabaseConnection.getConnection()) {

        String sql = "INSERT INTO favorite_crossing (railway_crossing_id) VALUES
(?)";

        PreparedStatement statement = connection.prepareStatement(sql);

        statement.setInt(1, crossingId);

        statement.executeUpdate();

```



```

        } catch (SQLException e) {

            e.printStackTrace();

            // Handle the exception as needed

        }

    }

    public void removeFromFavorites(int crossingId) {

        try (Connection connection = DatabaseConnection.getConnection()) {

            String sql = "DELETE FROM favorite_crossing WHERE railway_crossing_id =
?";

            PreparedStatement statement = connection.prepareStatement(sql);

            statement.setInt(1, crossingId);

            statement.executeUpdate();

        } catch (SQLException e) {

            e.printStackTrace();

            // Handle the exception as needed

        }

    }

}

```

Register servlet:

```
package com.simpli;
```

```
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 RegisterServlet
 */
@WebServlet("/register")

public class RegisterServlet extends HttpServlet {

    private static final long serialVersionUID = 1L;


    protected void doPost(HttpServletRequest request, HttpServletResponse response)

        throws ServletException, IOException {

        // Retrieve the form data

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

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

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


        // Create a new User object

        User user = new User(name, email, password);


        // Store the user in the database

        UserDao userDao = new UserDao();

        userDao.registerUser(user);


        // Redirect to a success page or perform any other necessary actions

        response.sendRedirect("userLogin.jsp");
```

```
}
```

```
}
```

Removefromfavorite servlet:

```
package com.simpli;
```

```
import java.io.IOException;
```

```
import javax.servlet.ServletException;
```

```
import javax.servlet.http.HttpServlet;
```

```
import javax.servlet.http.HttpServletRequest;
```

```
import javax.servlet.http.HttpServletResponse;
```

```
/**
```

```
 * Servlet implementation class RemoveFromFavoritesServlet
```

```
 */
```

```
public class RemoveFromFavoritesServlet extends HttpServlet {
```

```
    protected void doPost(HttpServletRequest request, HttpServletResponse response)
```

```
        throws ServletException, IOException {
```

```
        // TODO Auto-generated method stub
```

```
        String crossingId = request.getParameter("crossingId");
```

```
        if (crossingId != null && !crossingId.isEmpty()) {
```

```
            int railwayCrossingId = Integer.parseInt(crossingId);
```

```
            // Perform the database operation to remove the crossing from favorites
```

```
            RailwayCrossingDAO crossingDAO = new RailwayCrossingDAO();
```

```
            crossingDAO.removeFromFavorites(railwayCrossingId); // Implement this  
method in RailwayCrossingDAO
```

```
        }
```

```

        // Redirect back to the userHome.jsp page
        response.sendRedirect("userHome.jsp");
    }

}

```

Searchingcrossing servlet:

```

package com.simpli;

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;

@WebServlet(name = "SearchCrossingServlet", urlPatterns = { "/searchCrossing" })
public class SearchCrossingServlet extends HttpServlet {

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

        // Retrieve the search ID from the request
        int searchId = Integer.parseInt(request.getParameter("searchId"));

        // Implement your logic to search for the crossing by ID and retrieve its
        // details from the database

        RailwayCrossingDAO crossingDAO = new RailwayCrossingDAO();
        RailwayCrossing crossing = crossingDAO.getCrossingById(searchId);
    }
}

```

```

        // Set the search result in the request attribute
        request.setAttribute("crossing", crossing);

        // Redirect to the admin homepage with the search results
        request.getRequestDispatcher("adminHome.jsp").forward(request, response);
    }
}

```

Updatecrossing servlet:

```

package com.simpli;

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;

@WebServlet("/updateCrossing")
public class UpdateCrossingServlet extends HttpServlet {

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

        try {

            // Retrieve the crossing ID from the hidden field
            String idParam = request.getParameter("crossingId");

```

```
if (idParam != null && !idParam.isEmpty()) {  
    int crossingId = Integer.parseInt(idParam);  
  
    // Retrieve the updated details for the crossing  
    String name = request.getParameter("name");  
    String address = request.getParameter("address");  
    String landmark = request.getParameter("landmark");  
    String trainSchedules = request.getParameter("trainSchedules");  
    String personInCharge = request.getParameter("personInCharge");  
    String status = request.getParameter("status");  
  
    // Create a new RailwayCrossing object with the updated details  
    RailwayCrossing updatedCrossing = new RailwayCrossing();  
    updatedCrossing.setId(crossingId);  
    updatedCrossing.setName(name);  
    updatedCrossing.setAddress(address);  
    updatedCrossing.setLandmark(landmark);  
    updatedCrossing.setTrainSchedule(trainSchedules);  
    updatedCrossing.setPersonInCharge(personInCharge);  
    updatedCrossing.setStatus(status);  
  
    // Perform the update operation  
    RailwayCrossingDAO crossingDAO = new RailwayCrossingDAO();  
    crossingDAO.updateCrossing(updatedCrossing);  
  
    // Redirect to the admin homepage after the update  
    response.sendRedirect("adminHome.jsp");  
}
```

```

        } else {

            // Handle case where idParam is empty or null

            throw new ServletException("Crossing ID is missing.");

        }

    } catch (NumberFormatException e) {

        // Handle case where idParam is not a valid integer

        throw new ServletException("Invalid Crossing ID format.", e);

    } catch (Exception e) {

        // Handle other exceptions

        throw new ServletException("An error occurred during the crossing
update.", e);

    }

}

}

```

User:

```

package com.simpli;

public class User {
    private String name;
    private String email;
    private String password;

    public User() {
        super();
    }

    public User(String name, String email, String password) {
        this.name = name;
        this.email = email;
        this.password = password;
    }

    public String getName() {
        return name;
    }

    public void setName(String name) {
        this.name = name;
    }
}

```

```

    }

    public String getEmail() {
        return email;
    }

    public void setEmail(String email) {
        this.email = email;
    }

    public String getPassword() {
        return password;
    }

    public void setPassword(String password) {
        this.password = password;
    }
}

```

User DAO:

```
package com.simpli;
```

```
import java.sql.Connection;
```

```
import java.sql.PreparedStatement;
```

```
import java.sql.ResultSet;
```

```
import java.sql.SQLException;
```

```
public class UserDao {
```

```
    private Connection connection;
```

```
    public UserDao() {
```

```
        // Initialize the database connection
```

```
        connection = DatabaseConnection.getConnection();
```

```
    }
```

```
    public void registerUser(User user) {
```

```
        try {
```



```
String query = "INSERT INTO user_signup (name, email, password) VALUES  
(?, ?, ?)";
```

```
PreparedStatement statement = connection.prepareStatement(query);  
  
statement.setString(1, user.getName());  
  
statement.setString(2, user.getEmail());  
  
statement.setString(3, user.getPassword());  
  
statement.executeUpdate();  
  
} catch (SQLException e) {  
  
    e.printStackTrace();  
  
}  
  
}
```

```
public boolean loginUser(String email, String password) {  
  
    try {  
  
        String query = "SELECT * FROM user_signup WHERE email=? AND  
password=?";  
  
        PreparedStatement statement = connection.prepareStatement(query);  
  
        statement.setString(1, email);  
  
        statement.setString(2, password);  
  
        ResultSet resultSet = statement.executeQuery();  
  
        return resultSet.next();  
  
    } catch (SQLException e) {  
  
        e.printStackTrace();  
  
    }  
  
    return false;  
  
}
```

```
public User getUserByEmail(String email) {
```

```

try {

    String query = "SELECT * FROM user_signup WHERE email=?";

    PreparedStatement statement = connection.prepareStatement(query);

    statement.setString(1, email);

    ResultSet resultSet = statement.executeQuery();

    if (resultSet.next()) {

        User user = new User();

        user.setName(resultSet.getString("name"));

        user.setEmail(resultSet.getString("email"));

        user.setPassword(resultSet.getString("password"));

        return user;

    }

} catch (SQLException e) {

    e.printStackTrace();

}

return null;

}

}

```

Jsp files:

Addrailwaycrossingform.jsp:

```

<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Add Railway Crossing</title>
<style>
body {

```

```

        display: flex;
        justify-content: center;
        align-items: center;
        height: 100vh;
        text-align: center;
        background-color: #f2f2f2;
    }

    .panel {
        width: 500px;
        padding: 40px;
        background-color: #ffffff;
        border-radius: 5px;
        box-shadow: 0 2px 5px rgba(0, 0, 0, 0.1);
    }

    .panel label {
        display: block;
        margin-bottom: 10px;
        text-align: left;
    }

    .panel input[type="text"], .panel select {
        width: 100%;
        padding: 8px;
        border: 1px solid #ccc;
        border-radius: 4px;
    }

    .panel button[type="submit"] {
        width: 100%;
        padding: 10px;
        background-color: #4CAF50;
        color: white;
        border: none;
        border-radius: 4px;
        cursor: pointer;
    }

    .panel button[type="submit"]:hover {
        background-color: #45a049;
    }
</style>
</head>
<body>
    <div class="panel">
        <h2>Railway Crossings</h2>
        <h4>Add Railway Crossing Information</h4>
        <form action="addCrossing" method="post">
            <label for="name">Enter Name</label> <input type="text"
id="name"
            name="name" required><br> <label
for="address">Address</label>
            <input type="text" id="address" name="address" required><br>
            <label for="Landmark">Landmark</label> <input type="text"
id="Landmark" name="Landmark" required><br> <label
for="trainSchedules">Train Schedules</label> <input
type="text"
            id="trainSchedules" name="trainSchedules" required><br>

```

```

        <label for="personInCharge">Person in Charge</label> <input
            type="text" id="personInCharge" name="personInCharge"
required><br>
        <label for="status">Crossing Status</label> <select
id="status"
            name="status">
            <option value="Open">Open</option>
            <option value="Closed">Closed</option>
        </select><br>
        <button type="submit">Submit</button>
    </form>
</div>
</body>
</html>

```

Adminhomepage.jsp:

```

<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<%@ page import="com.simpli.RailwayCrossing"%>
<%@ page import="com.simpli.RailwayCrossingDAO"%>
<%@ page import="java.util.List"%>

<%
// Create an instance of RailwayCrossingDAO
RailwayCrossingDAO crossingDAO = new RailwayCrossingDAO();

// Retrieve all crossings from the DAO
List<RailwayCrossing> crossings = crossingDAO.getAllCrossings();

// Get the ID from the search request parameter
String searchId = request.getParameter("searchId");

// Check if the searchId parameter is provided
if (searchId != null && !searchId.isEmpty()) {
    // Parse the searchId as an int
    int crossingId = Integer.parseInt(searchId);

    // Retrieve the crossing by ID from the DAO
    RailwayCrossing searchedCrossing = crossingDAO.getCrossingById(crossingId);

    // Set the crossing as an attribute to be displayed in the table
    request.setAttribute("crossing", searchedCrossing);
}
%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Admin Home Page</title>
<style>
/* Button Styles */
.button-container {
    display: flex;
    justify-content: flex-start;
    margin-bottom: 10px;
    margin-left: 5px;

```

```

}

.button-container form {
    margin-right: 100px;
}

.button-container input[type="text"] {
    margin-right: 5px;
    padding: 5px;
    border-radius: 4px;
    border: 1px solid #ccc;
}

.button-container button[type="submit"] {
    padding: 10px 20px;
    border-radius: 4px;
    border: none;
    background-color: #B6B6B6;
    font-weight: bold;
    color: black;
    cursor: pointer;
}

.button-container button[type="submit"]:hover {
    background-color: #45a049;
}

.update-button, .delete-button {
    display: inline-block;
    vertical-align: middle;
    margin-right: 10px;
    padding: 7px;
    width: 80px;
    height: 30px;
}

/* Table Styles */
table {
    border-collapse: collapse;
    width: 100%;
}

th, td {
    text-align: left;
    padding: 8px;
    border-bottom: 1px solid #ddd;
}

th {
    background-color: #f2f2f2;
}

/* Responsive Styles */
@media only screen and (max-width: 768px) {
    .button-container form {
        margin-right: 5px;
    }
    .update-button, .delete-button {
        float: none;
    }
}

```

```

        margin-right: 5px;
        margin-bottom: 5px;
    }
}
</style>
</head>
<body>
    <h1>Admin Home Page</h1>
    <h3>
        Railway Crossing[<%=crossings.size()%>]
    </h3>

    <!-- Buttons -->
    <div class="button-container">
        <form action="HomePage.jsp" method="post">
            <button type="submit">Home</button>
        </form>
        <form action="addRailCrossingForm.jsp" method="post">
            <button type="submit">Add Railway Crossing</button>
        </form>
        <form action="searchCrossing" method="post">
            <input type="text" name="searchId" placeholder="Enter ID">
            <button type="submit">Search Crossing</button>
        </form>
        <form action="adminHome.jsp" method="post">
            <button type="submit">Display All Railway Crossings</button>
        </form>
        <!-- Logout Button -->
        <form action="adminRegister.jsp" method="post">
            <button type="submit">Logout</button>
        </form>
    </div>

    <!-- Table -->
    <table>
        <thead>
            <tr>
                <th>Sr.No</th>
                <th>Name</th>
                <th>Address</th>
                <th>Landmark</th>
                <th>Train Schedule</th>
                <th>Person In-Charge</th>
                <th>Status</th>
                <th>Action</th>
            </tr>
        </thead>
        <tbody>
            <%
                if (request.getAttribute("crossing") != null) { // Check if a
specific crossing is found
                    RailwayCrossing crossing = (RailwayCrossing)
request.getAttribute("crossing");
                %>
            <tr>
                <td><%=crossing.getId()%></td>
                <td><%=crossing.getName()%></td>
                <td><%=crossing.getAddress()%></td>
                <td><%=crossing.getLandmark()%></td>

```

```

        <td><%=crossing.getTrainSchedule()%></td>
        <td><%=crossing.getPersonInCharge()%></td>
        <td><%=crossing.getStatus()%></td>
        <td></td>
    </tr>
    <%
    } else { // Display all crossings
    for (RailwayCrossing anotherCrossing : crossings) {
    %>
    <tr>
        <td><%=anotherCrossing.getId()%></td>
        <td><%=anotherCrossing.getName()%></td>
        <td><%=anotherCrossing.getAddress()%></td>
        <td><%=anotherCrossing.getLandmark()%></td>
        <td><%=anotherCrossing.getTrainSchedule()%></td>
        <td><%=anotherCrossing.getPersonInCharge()%></td>
        <td><%=anotherCrossing.getStatus()%></td>
        <td>
            <form action="updateRailCrossingForm.jsp"
method="post">
                <input type="hidden" name="id"
                    value="<%=anotherCrossing.getId()%>">
                <button type="submit" class="update-
button">Update</button>
            </form>
            <form action="deleteCrossing" method="post">
                <input type="hidden" name="id"
                    value="<%=anotherCrossing.getId()%>">
                <button type="submit" class="delete-
button">Delete</button>
            </form>
        </td>
    </tr>
    <%
    }
    %>
</tbody>
</table>
</body>
</html>

```

Adminlogin.jsp:

```

<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Admin Login</title>
<style>
body {
    display: flex;
    justify-content: center;
    align-items: center;
    height: 100vh;

```

```

        text-align: center;
        background-color: #f2f2f2;
    }

    .panel {
        width: 400px;
        padding: 40px;
        background-color: #ffffff;
        border-radius: 5px;
        box-shadow: 0 2px 5px rgba(0, 0, 0, 0.1);
    }

    .panel label {
        display: block;
        margin-bottom: 10px;
        text-align: left;
    }

    .panel input[type="text"], .panel input[type="password"] {
        width: 100%;
        padding: 10px;
        border: 1px solid #ccc;
        border-radius: 4px;
    }

    .panel button[type="submit"] {
        width: 100%;
        padding: 10px;
        background-color: #4CAF50;
        color: white;
        border: none;
        border-radius: 4px;
        cursor: pointer;
    }

    .panel button[type="submit"]:hover {
        background-color: #45a049;
    }

    .panel .signup-link {
        display: block;
        margin-top: 20px;
    }
</style>
</head>
<body>
    <div class="panel">
        <h2>Railway Crossing</h2>
        <h4>Admin Login</h4>
        <form action="adminLogin" method="post">
            <label for="email">Email:</label> <input type="text"
id="email"
                                name="email" required><br> <label
for="password">Password:</label>
                                <input type="password" id="password" name="password"
required><br>
                                <button type="submit">Login</button>
        </form>
    </div>

```



```
</body>
</html>
```

Homepage.jsp:

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!doctype html>
<html lang="en">
<head>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
<title>Railway Crossing Status</title>
<link
    href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.c
ss"
    rel="stylesheet"
    integrity="sha384-
9ndCyUaIbzAi2FUVXJi0CjmCapSm07SnpJef0486qhLnuZ2cdeRh002iuK6FUUVM"
    crossorigin="anonymous">

<style>
body {
    background-image:
        url("https://source.unsplash.com/1000x1000/?nature,mountain");
    background-repeat: no-repeat;
    background-size: cover;
}

.navbar-brand span.quiz-text {
    color: red;
}

.navbar-nav.custom-ml-auto {
    margin-left: auto;
}

.navbar-nav.custom-ml-auto .nav-item {
    margin-left: 10px;
}
</style>
</head>
<body>
    <nav
        class="navbar navbar-expand-lg bg-body-tertiary navbar-dark border-
bottom border-bottom-dark"
        data-bs-theme="dark">
        <div class="container-fluid">
            <a class="navbar-brand" href="#">Railway Crossing Status</a>
            <button class="navbar-toggler" type="button"
                data-bs-toggle="collapse" data-bs-
target="#navbarSupportedContent"
                aria-controls="navbarSupportedContent" aria-
expanded="false"
                aria-label="Toggle navigation">
                <span class="navbar-toggler-icon"></span>
            </button>
```

```

        <div class="collapse navbar-collapse"
id="navbarSupportedContent">
            <ul class="navbar-nav custom-ml-auto">
                <!-- Move the "Home", "Quiz", "Login/Signup"
links to the right using custom CSS -->
                <li class="nav-item"><a class="nav-link active"
                    aria-current="page" href="#">Home</a></li>
                <li class="nav-item"><a class="nav-link"
href="adminLogin.jsp">Admin-Login/Signup</a></li>
                <li class="nav-item"><a class="nav-link"
href="userLogin.jsp">User-Login/Signup</a>
                </li>
            </ul>
        </div>
    </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>
</body>
</html>

```

Searchcrossing.jsp:

```

<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<%@ taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Search Crossing</title>
</head>

<body>
    <h1>Search Crossing</h1>

    <form action="searchCrossing" method="post">
        <label for="searchId">Search ID:</label> <input type="number"
            id="searchId" name="searchId" required> <input type="submit"
            value="Search">
    </form>

    <c:if test="${not empty crossing}">
        <h2>Search Result</h2>
        <table>
            <tr>
                <th>ID</th>
                <th>Name</th>
                <th>Address</th>
                <th>Landmark</th>
                <th>Train Schedule</th>
                <th>Person in Charge</th>
            </tr>

```

```

                <th>Status</th>
            </tr>
            <tr>
                <td>${crossing.id}</td>
                <td>${crossing.name}</td>
                <td>${crossing.address}</td>
                <td>${crossing.landmark}</td>
                <td>${crossing.trainSchedule}</td>
                <td>${crossing.personInCharge}</td>
                <td>${crossing.status}</td>
            </tr>
        </table>
    </c:if>

    <a href="adminHome.jsp">Back to Admin Homepage</a>
</body>
</html>

```

Updaterailwaycrossing.jsp:

```

<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Update Railway Crossing</title>
<style>
body {
    display: flex;
    justify-content: center;
    align-items: center;
    height: 100vh;
    text-align: center;
    background-color: #f2f2f2;
}

.panel {
    width: 500px;
    padding: 40px;
    background-color: #ffffff;
    border-radius: 5px;
    box-shadow: 0 2px 5px rgba(0, 0, 0, 0.1);
}

.panel label {
    display: block;
    margin-bottom: 10px;
    text-align: left;
}

.panel input[type="text"], .panel select {
    width: 100%;
    padding: 8px;
    border: 1px solid #ccc;
    border-radius: 4px;
}

```

```

.panel button[type="submit"] {
    width: 100%;
    padding: 10px;
    background-color: #4CAF50;
    color: white;
    border: none;
    border-radius: 4px;
    cursor: pointer;
}

.panel button[type="submit"]:hover {
    background-color: #45a049;
}
</style>
</head>
<body>
    <div class="panel">
        <h2>Railway Crossings</h2>
        <h4>Update Railway Crossing Information</h4>
        <form action="updateCrossing" method="post">
            <label for="crossingId">Crossing ID</label> <input type="text"
            id="crossingId" name="crossingId"
value="${crossing.crossingId}"
            required><br> <label for="name">Enter Name</label>
<input
            type="text" id="name" name="name"
value="${crossing.name}" required><br>
            <label for="address">Address</label> <input type="text"
            id="address"
            name="address" value="${crossing.address}"
            required><br>
            <label for="Landmark">Landmark</label> <input type="text"
            id="Landmark" name="Landmark"
value="${crossing.landmark}" required><br>
            <label for="trainSchedules">Train Schedules</label> <input
            type="text" id="trainSchedules" name="trainSchedules"
value="${crossing.trainSchedule}" required><br> <label
            for="personInCharge">Person in Charge</label> <input
            type="text"
            id="personInCharge" name="personInCharge"
value="${crossing.personInCharge}" required><br> <label
            for="status">Crossing Status</label> <select
            id="status"
            name="status">
                <option value="Open" ${crossing.status == 'Open' ?
'selected' : ''}>Open</option>
                <option value="Closed"
                    ${crossing.status == 'Closed' ? 'selected' :
''}>Closed</option>
            </select><br>
            <button type="submit">Submit</button>
        </form>
    </div>
</body>
</html>

```

Userhomepage.jsp:

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<%@ page import="com.simpli.RailwayCrossing"%>
<%@ page import="com.simpli.RailwayCrossingDAO"%>
<%@ page import="java.util.List"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Railway Crossings - User Home Page</title>
<style>
body {
    font-family: Arial, sans-serif;
    margin: 0;
    padding: 20px;
}

.container {
    border: 1px solid #ccc;
    border-radius: 10px;
    padding: 20px;
    margin-bottom: 20px;
    margin-top: 20px;
}

.container h3 {
    margin-top: 0;
}

.container p {
    margin: 0;
}

.crossing {
    margin-bottom: 10px;
}

.crossing button {
    margin-left: 10px;
}

.status {
    display: inline-block;
    padding: 5px;
    font-weight: bold;
}

.status-open {
    color: white;
    border-radius: 30%;
    background-color: green;
}

.status-closed {
    color: white;
    background-color: red;
}
```

```

</style>
</head>
<body>
    <h1 style="font-weight: bold;">User Home Page</h1>

    <!-- Display Search Crossings button -->
    <button onclick="location.href='HomePage.jsp'"
        style="border-radius: 10px; font-weight: bold;">Home</button>

    <!-- Display All button -->
    <button onclick="location.href='userHome.jsp'"
        style="border-radius: 10px; margin-left: 50px; font-weight:
bold;">All
        Crossings</button>

    <!-- Display Favorite Crossings button -->
    <button onclick="location.href='userHomeFavoriteCrossing.jsp'"
        style="border-radius: 10px; margin-left: 50px; font-weight:
bold;">Favorite
        Crossings</button>

    <!-- Display Search Crossings button -->
    <button onclick="location.href='userSearchCrossing.jsp'"
        style="border-radius: 10px; margin-left: 50px; font-weight:
bold;">Search
        Crossings</button>

    <!-- Logout button -->
    <button onclick="location.href='userLogin.jsp'"
        style="border-radius: 10px; margin-left: 800px; font-weight:
bold;">Logout</button>

    <!-- Create an instance of RailwayCrossingDAO --%>
    <%
RailwayCrossingDAO crossingDAO = new RailwayCrossingDAO();
List<RailwayCrossing> allCrossings = crossingDAO.getAllCrossings();
for (RailwayCrossing crossing : allCrossings) {
    String status = crossing.getStatus();
    String statusClass = status.equalsIgnoreCase("Open") ? "status-open"
: "status-closed";
    %>
    <div class="container">
        <h3><%=crossing.getName()%></h3>
        <p>
            Status: <strong><span class="status
<%=statusClass%>"><%=crossing.getStatus()%></span></strong>
        </p>
        <p>
            Person in Charge:
            <strong><%=crossing.getPersonInCharge()%></strong>
        </p>
        <p>
            Train Schedules:
            <strong><%=crossing.getTrainSchedule()%></strong>
        </p>
        <p>
            Landmark: <strong><%=crossing.getLandmark()%></strong>
        </p>
    </div>
}
    %>

```

```

        Address: <strong><%=crossing.getAddress()%></strong>
    </p>
    <form action="addToFavorites" method="post" style="display:
inline;">
        <input type="hidden" name="crossingId"
value="<%=crossing.getId()%>">
        <button type="submit"
            style="border-radius: 10px; font-weight: bold; margin-
top: 10px; margin-left: 0px;">ADD
            TO FAVORITES</button>
    </form>
</div>
<%
}
%>
</body>
</html>

```

Userhomefavoritecrossing.jsp:

```

<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<%@ page import="com.simpli.RailwayCrossing"%>
<%@ page import="com.simpli.RailwayCrossingDAO"%>
<%@ page import="java.util.List"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Railway Crossings - Favorite Crossings</title>
<style>
body {
    font-family: Arial, sans-serif;
    margin: 0;
    padding: 20px;
}

.container {
    border: 1px solid #ccc;
    border-radius: 10px;
    padding: 20px;
    margin-bottom: 20px;
    margin-top: 20px;
}

.container h3 {
    margin-top: 0;
}

.container p {
    margin: 0;
}

.status {
    display: inline-block;
    padding: 5px;
    color: white;
}

```

```

        font-weight: bold;
    }

    .status-open {
        background-color: green;
    }

    .status-closed {
        background-color: red;
    }
</style>
</head>
<body>
    <h2>User Home Page</h2>

    <!-- Display All button -->
    <button onclick="location.href='userHome.jsp'">All Crossings</button>

    <!-- Favorite Crossings Container -->
    <div class="favorites">
        <%
            RailwayCrossingDAO crossingDAO = new RailwayCrossingDAO();
            List<RailwayCrossing> favoriteCrossings =
crossingDAO.getFavoriteCrossings();
            for (RailwayCrossing crossing : favoriteCrossings) {
                String status = crossing.getStatus();
                String statusClass = status.equalsIgnoreCase("Open") ?
"status-open" : "status-closed";
            %>
            <div class="container">
                <h3><%=crossing.getName()%></h3>
                <p>
                    Status: <strong><span class="status
<%=statusClass%>"><%=status%></span></strong>
                </p>
                <p>
                    Person in Charge:
<strong><%=crossing.getPersonInCharge()%></strong>
                </p>
                <p>
                    Train Schedules:
<strong><%=crossing.getTrainSchedule()%></strong>
                </p>
                <p>
                    Landmark: <strong><%=crossing.getLandmark()%></strong>
                </p>
                <p>
                    Address: <strong><%=crossing.getAddress()%></strong>
                </p>
                <form action="removeFromFavorites" method="post"
                    style="display: inline;">
                    <input type="hidden" name="crossingId"
value="<%=crossing.getId()%>">
                    <button type="submit"
                        style="border-radius: 10px; font-weight: bold;
margin-top: 10px;">REMOVE
                        FROM FAVORITES</button>
                </form>
            </div>
        </div>
    </body>
</html>

```



```

        <%
        }
        %>
    </div>
</body>
</html>

```

Userlogin.jsp:

```

<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>User Login</title>
<style>
body {
    display: flex;
    justify-content: center;
    align-items: center;
    height: 100vh;
    text-align: center;
    background-color: #f2f2f2;
}

.panel {
    width: 400px;
    padding: 40px;
    background-color: #ffffff;
    border-radius: 5px;
    box-shadow: 0 2px 5px rgba(0, 0, 0, 0.1);
}

.panel label {
    display: block;
    margin-bottom: 10px;
    text-align: left;
}

.panel input[type="text"], .panel input[type="password"] {
    width: 100%;
    padding: 10px;
    border: 1px solid #ccc;
    border-radius: 4px;
}

.panel button[type="submit"] {
    width: 100%;
    padding: 10px;
    background-color: #4CAF50;
    color: white;
    border: none;
    border-radius: 4px;
    cursor: pointer;
}

.panel button[type="submit"]:hover {

```

```

        background-color: #45a049;
    }

    .panel .signup-link {
        display: block;
        margin-top: 20px;
    }
</style>
</head>
<body>
    <div class="panel">
        <h2>Railway Crossing</h2>
        <h4>User Login</h4>
        <form action="login" method="post">
            <label for="email">Email:</label> <input type="text"
id="email"
            name="email" required><br> <label
for="password">Password:</label>
            <input type="password" id="password" name="password"
required><br>
            <button type="submit">Login</button>
        </form>
        <div class="signup-link">
            <p>
                Don't have an account? <a
href="userRegister.jsp">Create New
                Account</a>
            </p>
        </div>
    </div>
</body>
</html>

```

Userregister.jsp:

```

<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>User Registration</title>
<style>
body {
    display: flex;
    justify-content: center;
    align-items: center;
    height: 100vh;
    text-align: center;
    background-color: #f2f2f2;
}

.panel {
    width: 500px;
    padding: 40px;
    background-color: #ffffff;
    border-radius: 5px;
    box-shadow: 0 2px 5px rgba(0, 0, 0, 0.1);
}

```

```

}

.panel label {
    display: block;
    margin-bottom: 10px;
    text-align: left;
}

.panel input[type="text"], .panel input[type="password"] {
    width: 100%;
    padding: 10px;
    border: 1px solid #ccc;
    border-radius: 4px;
}

.panel button[type="submit"] {
    width: 100%;
    padding: 10px;
    background-color: #4CAF50;
    color: white;
    border: none;
    border-radius: 4px;
    cursor: pointer;
}

.panel button[type="submit"]:hover {
    background-color: #45a049;
}

.panel .signup-link {
    display: block;
    margin-top: 20px;
}
</style>
</head>
<body>
    <div class="panel">
        <h2>Railway Crossing</h2>
        <h4>User Register</h4>
        <form action="register" method="post">
            <label for="name">Name:</label> <input type="text" id="name"
for="email">Email:</label>
            <input type="text" id="email" name="email" required><br>
            <label for="password">Password:</label> <input type="password"
id="password" name="password" required><br>
            <button type="submit">Register</button>
        </form>
        <div class="signup-link">
            <p>
                Already have an account? <a href="userLogin.jsp">Sign
in</a>
            </p>
        </div>
    </div>
</body>
</html>

```

Usersearchingcrossing.jsp:

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<%@ page import="com.simpli.RailwayCrossing"%>
<%@ page import="com.simpli.RailwayCrossingDAO"%>
<%@ page import="java.util.List"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Railway Crossings - Search Crossings</title>
<style>
body {
    font-family: Arial, sans-serif;
    margin: 0;
    padding: 20px;
}

.container {
    border: 1px solid #ccc;
    border-radius: 10px;
    padding: 20px;
    margin-bottom: 20px;
    margin-top: 20px;
}

.container h3 {
    margin-top: 0;
}

.container p {
    margin: 0;
}

.search-container {
    margin-top: 60px;
    margin-bottom: 20px;
}

.search-container input[type="text"] {
    padding: 10px;
    width: 200px;
}

.logout-button {
    position: absolute;
    padding: 10px;
    top: 50px;
    right: 30px;
    border-radius: 10px;
    font-weight: bold;
    top: 50px;
}

.allCrossing-button {
    position: absolute;
    padding: 5px;
    top: 75px;
```

```

        left: 10px;
    }

    .favouriteCrossing-button {
        position: absolute;
        padding: 5px;
        top: 75px;
        left: 130px;
    }

    .status {
        display: inline-block;
        padding: 5px;
        font-weight: bold;
    }

    .status-open {
        color: white;
        border-radius: 30%;
        background-color: green;
    }

    .status-closed {
        color: white;
        background-color: red;
    }

    .crossing {
        margin-bottom: 10px;
    }

    .crossing button {
        margin-left: 10px;
    }
</style>
<script>
    function searchCrossings() {
        var input = document.getElementById("searchInput");
        var filter = input.value.toUpperCase();
        var crossings = document.getElementsByClassName("crossing");

        for (var i = 0; i < crossings.length; i++) {
            var crossing = crossings[i];
            var name = crossing.getElementsByTagName("h3")[0].innerText;
            if (name.toUpperCase().indexOf(filter) > -1) {
                crossing.style.display = "";
            } else {
                crossing.style.display = "none";
            }
        }
    }
</script>
</head>
<body>
    <h2>Search Crossings</h2>
    <!-- Display All button -->
    <button onclick="location.href='userHome.jsp'"
        class="allCrossing-button"

```

```

        style="border-radius: 10px; font-weight: bold;">All
Crossings</button>

<!-- Display Favorite Crossings button -->
<button onclick="location.href='userHomeFavoriteCrossing.jsp'"
        class="favouriteCrossing-button"
        style="border-radius: 10px; font-weight: bold;">Favorite
Crossings</button>

<!-- Search input -->
<div class="search-container">
    <input type="text" id="searchInput" placeholder="Search by name"
        onkeyup="searchCrossings()">
    <!-- Logout button -->
    <button onclick="location.href='userLogin.jsp'" class="logout-
button"
        style="border-radius: 10px; font-weight:
bold;">Logout</button>
</div>

<!-- Search Results Container -->
<div class="search-results">
    <%
        RailwayCrossingDAO crossingDAO = new RailwayCrossingDAO();
        List<RailwayCrossing> allCrossings = crossingDAO.getAllCrossings();
        for (RailwayCrossing crossing : allCrossings) {
            String status = crossing.getStatus();
            String statusClass = status.equalsIgnoreCase("Open") ?
"status-open" : "status-closed";
        %>
        <div class="container crossing">
            <h3><%=crossing.getName()%></h3>
            <p>
                Status: <strong><span class="status
<%=statusClass%>"><%=crossing.getStatus()%></span></strong>
            </p>
            <p>
                Person in Charge:
                <strong><%=crossing.getPersonInCharge()%></strong>
            </p>
            <p>
                Train Schedules:
                <strong><%=crossing.getTrainSchedule()%></strong>
            </p>
            <p>
                Landmark: <strong><%=crossing.getLandmark()%></strong>
            </p>
            <p>
                Address: <strong><%=crossing.getAddress()%></strong>
            </p>
            <form action="addToFavorites" method="post" style="display:
inline;">
                <input type="hidden" name="crossingId"
value="<%=crossing.getId()%>">
                <button type="submit"
                    style="border-radius: 10px; font-weight: bold;
margin-top: 10px; margin-left: 0px;">ADD
TO FAVORITES</button>

```

```
        </form>
    </div>
    <%
    }
    %>
</div>
</body>
</html>
```