RAILWAY CROSSING STATUS

SOURCE CODE

com.railway.Crossing.java

```java
package com.railway;

import javax.persistence.Column;

import javax.persistence.Entity;

import javax.persistence.Id;

@Entity

public class Crossing {

        @Id
        @Column(unique = true)
        private int rid;
        private String rname;
        private String raddress;
        private String rlandmark;
        private String rschedule;
        private String rperson;
        private String rstatus = "OPEN";

        public int getRid() { return rid;  }
        public void setRid(int rid) {    this.rid = rid;  }
        public String getRname() {return rname; }
        public void setRname(String rname) {    this.rname = rname;}
        public String getRaddress() {return raddress;          }
        public void setRaddress(String raddress) {  this.raddress = raddress;  }
        public String getRlandmark() {return rlandmark;}
        public void setRlandmark(String rlandmark) {this.rlandmark = rlandmark;}
        public String getRschedule() {return rschedule;}
        public void setRschedule(String rschedule) {this.rschedule = rschedule;}
        public String getRperson() {return rperson;}
```

```java
        public void setRperson(String rperson) {    this.rperson = rperson;    }

        public String getRstatus() {return rstatus; }

        public void setRstatus(String rstatus) {this.rstatus = rstatus; }

}
```

com.railway.CrossingDAO.java

```java
package com.railway;


import java.util.List;


import org.hibernate.Session;

import org.hibernate.Transaction;

import org.hibernate.query.Query;


import com.servlet.HibernateUtil;


import jakarta.servlet.http.HttpServletResponse;


import java.io.IOException;

import java.util.ArrayList;


public class CrossingDAO {

        public void add(Crossing cross, HttpServletResponse response) throws IOException {

                Transaction transaction = null;

                try (Session session = HibernateUtil.getSessionFactory().openSession()) {

                        // start a transaction

                        transaction = session.beginTransaction();

                        // save the user object

                        session.save(cross);

                        // commit transaction

                        transaction.commit();

                        response.sendRedirect("admin-dashboard.jsp");
```

```java
		} catch (Exception e) {
			if (transaction != null) {
				response.sendRedirect("fail-add.jsp");


				transaction.rollback();
			}
			e.printStackTrace();
		}
	}


	public void update(Crossing cross) {
		Transaction transaction = null;
		try (Session session = HibernateUtil.getSessionFactory().openSession()) {
			// start a transaction
			transaction = session.beginTransaction();
			// save the user object
			session.saveOrUpdate(cross);
			// commit transaction
			transaction.commit();


		} catch (Exception e) {
			if (transaction != null) {
				transaction.rollback();
			}
			e.printStackTrace();
		}
	}


	public Crossing select(Crossing cross) {
		Transaction transaction = null;
		Crossing result = null;
		try (Session session = HibernateUtil.getSessionFactory().openSession()) {
			// start a transaction
			transaction = session.beginTransaction();
```

```java
                // save the user object
                String sql = "FROM Crossing WHERE rid= :rid";
                Query query = session.createQuery(sql);
                query.setParameter("rid", cross.getRid());
                result = (Crossing) query.uniqueResult();


        } catch (Exception e) {
                if (transaction != null) {
                        transaction.rollback();
                }
                e.printStackTrace();
        }


        return result;


}

public Crossing select1(Crossing cross) {
        Transaction transaction = null;
        Crossing result = null;
        try (Session session = HibernateUtil.getSessionFactory().openSession()) {
                // start a transaction
                transaction = session.beginTransaction();
                // save the user object
                String sql = "FROM Crossing WHERE rid= :rid";
                Query query = session.createQuery(sql);
                query.setParameter("rid", cross.getRid());
                result = (Crossing) query.uniqueResult();


        } catch (Exception e) {
                if (transaction != null) {
                        transaction.rollback();
                }
                e.printStackTrace();
```

```java
        }

        return result;

}


public List<Crossing> search(Crossing cross) {
        List<Crossing> results = new ArrayList<>();

        try (Session session = HibernateUtil.getSessionFactory().openSession()) {
                String sql = "FROM Crossing WHERE raddress LIKE :raddress";
                Query query = session.createQuery(sql);
                query.setParameter("raddress", "%" + cross.getRaddress() + "%");
                results = query.list();
        } catch (Exception e) {
                e.printStackTrace();
        }

        return results;
}

public void delete(Crossing cross) {
        Transaction transaction = null;
        Crossing result = null;
        try (Session session = HibernateUtil.getSessionFactory().openSession()) {
                // start a transaction
                transaction = session.beginTransaction();
                // save the user object
                session.delete(cross);
                // commit transaction
                transaction.commit();
                session.close();

        } catch (Exception e) {
```

```
                            if (transaction != null) {

                                    transaction.rollback();

                            }

                            e.printStackTrace();

                }


        }

}
```

com.railway.Favorite.java

```
package com.railway;


import javax.persistence.Column;

import javax.persistence.Entity;

import javax.persistence.Id;

@Entity

public class Favorite

{

        @Id

        @Column(unique = true)

        private int rid;

        private String rname;

        private String raddress;

        private String rlandmark;

        private String rschedule;

        private String rperson;

        private String rstatus;

        public int getRid() {

                return rid;

        }
```

```java
public void setRid(int rid) {

        this.rid = rid;

}

public String getRname() {

        return rname;

}

public void setRname(String rname) {

        this.rname = rname;

}

public String getRaddress() {

        return raddress;

}

public void setRaddress(String raddress) {

        this.raddress = raddress;

}

public String getRlandmark() {

        return rlandmark;

}

public void setRlandmark(String rlandmark) {

        this.rlandmark = rlandmark;

}

public String getRschedule() {

        return rschedule;

}

public void setRschedule(String rschedule) {

        this.rschedule = rschedule;

}

public String getRperson() {

        return rperson;

}
```

```java
        public void setRperson(String rperson) {

                this.rperson = rperson;

        }

        public String getRstatus() {

                return rstatus;

        }

        public void setRstatus(String rstatus) {

                this.rstatus = rstatus;

        }


}
```

com.railway.FavoriteDAO.java

```java
package com.railway;



import org.hibernate.Session;

import org.hibernate.Transaction;



import com.servlet.HibernateUtil;



public class FavoriteDAO

{

        public void store(Favorite fav)

        {

                Transaction transaction = null;

                try (Session session = HibernateUtil.getSessionFactory().openSession())

                {

                        // start a transaction

                        transaction = session.beginTransaction();

                        // save the user object

                        session.save(fav);

                        // commit transaction
```

```java
                transaction.commit();



        }
        catch (Exception e)
        {
                if (transaction != null) {
                        transaction.rollback();
                }
                e.printStackTrace();
        }
}
public void remove(Favorite fav)
{
        Transaction transaction = null;
        try (Session session = HibernateUtil.getSessionFactory().openSession())
        {
                // start a transaction
                transaction = session.beginTransaction();
                // save the user object
                session.delete(fav);
                // commit transaction
                transaction.commit();



        }
        catch (Exception e)
        {
                if (transaction != null) {
                        transaction.rollback();
                }
                e.printStackTrace();
        }
```

```
        }
}
```

com.railway.User.java

```java
package com.railway;


import javax.persistence.Column;

import javax.persistence.Entity;

import javax.persistence.Id;


@Entity
public class User
{
        @Id
        @Column(unique = true)
        private String email;
        private String uname;
        private String password;
        public String getUname() {
                return uname;
        }
        public void setUname(String uname) {
                this.uname = uname;
        }
        public String getEmail() {
                return email;
        }
        public void setEmail(String email) {
                this.email = email;
        }
        public String getPassword() {
                return password;
        }
        public void setPassword(String password) {
```

```java
            this.password = password;

    }

}
```

com.railway.UserDAO.java

```java
package com.railway;


import java.io.IOException;


import org.hibernate.Session;

import org.hibernate.Transaction;


import com.servlet.HibernateUtil;


import jakarta.servlet.http.HttpServletResponse;


public class UserDAO
{
        public void register(User user,HttpServletResponse response) throws IOException
        {
                Transaction transaction = null;
                try (Session session = HibernateUtil.getSessionFactory().openSession())
                {
                        // start a transaction
                        transaction = session.beginTransaction();
                        // save the user object
                        session.save(user);
                        // commit transaction
                        transaction.commit();
                        response.sendRedirect("user-dashboard.jsp");
```

```java
                }
                catch (Exception e)
                {
                        if (transaction != null) {
                                response.sendRedirect("fail-register.jsp");
                                transaction.rollback();
                        }
                        e.printStackTrace();
                }
        }


        public boolean validate(String email, String password) {

                Transaction transaction = null;
                User user = null;
                try (Session session = HibernateUtil.getSessionFactory().openSession()) {
                        // start a transaction
                        transaction = session.beginTransaction();
                        // get an user object
                        user = (User) session.createQuery("FROM User U WHERE U.email =
:email").setParameter("email", email)
                                        .uniqueResult();

                        if (user != null && user.getPassword().equals(password)) {
                                return true;
                        }
                        // commit transaction
                        transaction.commit();
                } catch (Exception e) {
                        if (transaction != null) {
                                transaction.rollback();
                        }
```

```java
                        e.printStackTrace();

                }

                return false;

        }


        public boolean validateAdmin(String email, String password) {


                Transaction transaction = null;

                User user = null;

                try (Session session = HibernateUtil.getSessionFactory().openSession()) {

                        // start a transaction

                        transaction = session.beginTransaction();


                        if (email.equals("admin22@gmail.com") && password.equals("admin22")) {

                                return true;

                        }

                        // commit transaction

                        transaction.commit();

                } catch (Exception e) {

                        if (transaction != null) {

                                transaction.rollback();

                        }

                        e.printStackTrace();

                }

                return false;

        }

}
```

com.servlet.CrossingController.java

package com.servlet;

import jakarta.servlet.RequestDispatcher;

import jakarta.servlet.ServletException;

```java
import jakarta.servlet.annotation.WebServlet;

import jakarta.servlet.http.HttpServlet;

import jakarta.servlet.http.HttpServletRequest;

import jakarta.servlet.http.HttpServletResponse;

import java.io.IOException;


import com.railway.User;

import com.railway.UserDAO;

import com.railway.*;


@WebServlet("/addcrossing")
public class CrossingController extends HttpServlet {
        private static final long serialVersionUID = 1L;


        public CrossingController() {
                super();
        }


        private CrossingDAO crossingDao;


        public void init()
        {
                crossingDao = new CrossingDAO();
        }
        protected void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {


        }


        protected void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException
        {
                Integer rid=Integer.parseInt(request.getParameter("rid"));

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

```java
            String raddress = request.getParameter("raddress");

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

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

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

            // String rstatus = request.getParameter("rstatus");



            Crossing cross=new Crossing();

            String rstatus=cross.getRstatus();



            cross.setRid(rid);

            cross.setRname(rname);

            cross.setRaddress(raddress);

            cross.setRlandmark(rlandmark);

            cross.setRschedule(rschedule);

            cross.setRperson(rperson);

            cross.setRstatus(rstatus);



            crossingDao.add(cross,response);


        }


}
```

com.servlet.CrossingFavorite.java

```java
package com.servlet;


import jakarta.servlet.RequestDispatcher;

import jakarta.servlet.ServletException;

import jakarta.servlet.annotation.WebServlet;

import jakarta.servlet.http.HttpServlet;

import jakarta.servlet.http.HttpServletRequest;

import jakarta.servlet.http.HttpServletResponse;

import java.io.IOException;
```

```java
import java.io.PrintWriter;


import com.railway.Favorite;

import com.railway.FavoriteDAO;

@WebServlet("/favorite")

public class CrossingFavorite extends HttpServlet {

        private static final long serialVersionUID = 1L;


        public CrossingFavorite() {

                super();

                // TODO Auto-generated constructor stub

        }

        private FavoriteDAO favoriteDao;

        public void init()

        {

                favoriteDao = new FavoriteDAO();

        }


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

        }


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

        {

                Integer rid=Integer.parseInt(request.getParameter("rid"));

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

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

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

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

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

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


                PrintWriter out=response.getWriter();
```

```java
                    out.println("hy");

                    Favorite fav=new Favorite();


                    fav.setRid(rid);

                    fav.setRname(rname);

                    fav.setRaddress(raddress);

                    fav.setRlandmark(rlandmark);

                    fav.setRschedule(rschedule);

                    fav.setRperson(rperson);

                    fav.setRstatus(rstatus);



                    favoriteDao.store(fav);



                    response.setContentType("text/plain");

                    response.getWriter().write("Favorite item saved successfully");

            }


}
```

com.servlet.CrossingUpdate.java

```java
package com.servlet;


import jakarta.servlet.RequestDispatcher;

import jakarta.servlet.ServletException;

import jakarta.servlet.annotation.WebServlet;

import jakarta.servlet.http.HttpServlet;

import jakarta.servlet.http.HttpServletRequest;

import jakarta.servlet.http.HttpServletResponse;

import java.io.IOException;


import com.railway.Crossing;

import com.railway.CrossingDAO;

@WebServlet("/update")
```

```java
public class CrossingUpdate extends HttpServlet {

        private static final long serialVersionUID = 1L;


        public CrossingUpdate() {

                super();

                // TODO Auto-generated constructor stub

        }

        private CrossingDAO crossingDao1;

        public void init()

        {

                crossingDao1 = new CrossingDAO();

        }


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

        }


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

        {

                Integer rid=Integer.parseInt(request.getParameter("rid"));

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

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

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

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

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

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



                Crossing cross=new Crossing();


                cross.setRid(rid);

                cross.setRname(rname);

                cross.setRaddress(raddress);
```

```java
                        cross.setRlandmark(rlandmark);

                        cross.setRschedule(rschedule);

                        cross.setRperson(rperson);

                        cross.setRstatus(rstatus);


                        crossingDao1.update(cross);


                        RequestDispatcher dispatcher = request.getRequestDispatcher("admin-dashboard.jsp");

                        dispatcher.forward(request, response);

            }


}
```

com.servlet.HibernateUtil.java

```java
package com.servlet;


import org.hibernate.SessionFactory;

import org.hibernate.boot.*;

import org.hibernate.boot.registry.*;


public class HibernateUtil {


        private static final SessionFactory sessionFactory;


        static {

                try {

                        StandardServiceRegistry standardRegistry = new
StandardServiceRegistryBuilder()

                                        .configure("hibernate.cfg.xml").build();


                        Metadata metaData = new
MetadataSources(standardRegistry).getMetadataBuilder().build();

                        sessionFactory = metaData.getSessionFactoryBuilder().build();
```

```java
		} catch (Throwable th) {

				throw new ExceptionInInitializerError(th);

		}

	}


	public static SessionFactory getSessionFactory() {

			return sessionFactory;

	}


}
```

com.servlet.LoginController.java

```java
package com.servlet;


import jakarta.servlet.RequestDispatcher;

import jakarta.servlet.ServletException;

import jakarta.servlet.ServletRequest;

import jakarta.servlet.annotation.WebServlet;

import jakarta.servlet.http.HttpServlet;

import jakarta.servlet.http.HttpServletRequest;

import jakarta.servlet.http.HttpServletResponse;

import java.io.IOException;

import java.io.PrintWriter;


import com.railway.UserDAO;

@WebServlet("/userlogin")

public class LoginController extends HttpServlet {

		private static final long serialVersionUID = 1L;


		public LoginController() {

				super();

		}

		private UserDAO loginDao;
```

```java
        public void init()

        {

                loginDao = new UserDAO();

        }


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

        }


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

        {

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

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


                if (loginDao.validate(email, password)) {


                        RequestDispatcher dispatcher = request.getRequestDispatcher("user-
dashboard.jsp");

                        dispatcher.forward(request, response);

                } else {

                        response.sendRedirect("fail-user-register.jsp");


                }


        }
}
```

com.servlet.LoginControllerAdmin.java

```java
package com.servlet;


import jakarta.servlet.RequestDispatcher;

import jakarta.servlet.ServletException;

import jakarta.servlet.annotation.WebServlet;
```

```java
import jakarta.servlet.http.HttpServlet;

import jakarta.servlet.http.HttpServletRequest;

import jakarta.servlet.http.HttpServletResponse;

import java.io.IOException;


import com.railway.UserDAO;

@WebServlet("/adminlogin")

public class LoginControllerAdmin extends HttpServlet {

        private static final long serialVersionUID = 1L;


        public LoginControllerAdmin() {

                super();

        }

        private UserDAO loginDaoAdmin;


        public void init()

        {

                loginDaoAdmin = new UserDAO();

        }

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


        }



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

        {

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

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


                if (loginDaoAdmin.validateAdmin(email, password)) {

                        RequestDispatcher dispatcher = request.getRequestDispatcher("admin-
dashboard.jsp");
```

```java
                        dispatcher.forward(request, response);

                } else {


                        response.sendRedirect("admin-login.jsp?name=ADMIN");

                }

        }


}
```

com.servlet.UserController.java

```java
package com.servlet;


import jakarta.servlet.RequestDispatcher;

import jakarta.servlet.ServletException;

import jakarta.servlet.annotation.WebServlet;

import jakarta.servlet.http.HttpServlet;

import jakarta.servlet.http.HttpServletRequest;

import jakarta.servlet.http.HttpServletResponse;

import java.io.IOException;


import com.railway.*;


@WebServlet("/register")
public class UserController extends HttpServlet
{
        private static final long serialVersionUID = 1L;

        private UserDAO userDao;

        public UserController()

        {

                super();

        }

        public void init() {

                userDao = new UserDAO();

        }
```

```java
        protected void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
                // TODO Auto-generated method stub
                response.getWriter().append("Served at: ").append(request.getContextPath());
        }


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

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


                User user = new User();


                user.setUname(uname);
                user.setEmail(email);
                user.setPassword(password);


                userDao.register(user,response);


        }


}
```

Hibernate.cfg.xml

```xml
<!DOCTYPE hibernate-configuration PUBLIC
"-//Hibernate/Hibernate Configuration DTD 3.0//EN"
"http://www.hibernate.org/dtd/hibernate-configuration-3.0.dtd">
<hibernate-configuration>
    <session-factory>
        <!-- Database connection settings -->
        <property
name="connection.driver_class">com.mysql.cj.jdbc.Driver</property>
        <property
name="connection.url">jdbc:mysql://localhost:3306/DB_2</property>
        <property name="connection.username">root</property>
        <property name="connection.password">root123</property>
        <property name="hbm2ddl.auto">update</property>
        <property name="show_sql">true</property>
        <mapping class="com.railway.User"/>
```

```
            <mapping class="com.railway.Crossing"/>
                    <mapping class="com.railway.Favorite"/>

</session-factory>
</hibernate-configuration>
```

Template

admin-dashboard.jsp

```jsp
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
      pageEncoding="ISO-8859-1"%>
<%@page import="com.servlet.*"%>
<%@page import="com.railway.*"%>

<%@ taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core"%>
<%@ taglib prefix="sql" uri="http://java.sun.com/jsp/jstl/sql"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
<title>Admin Dashboard</title>
<link href="https://fonts.googleapis.com/icon?family=Material+Icons"
      rel="stylesheet">
<link rel="stylesheet"
      href="https://cdnjs.cloudflare.com/ajax/libs/materialize/1.0.0/css/materialize.min.css">
<style>
body {
      background: url('static/img_4.jpg') no-repeat;
      background-size: cover;
}
</style>
<script>

      function confirmDelete(rid) {
          var result = confirm("Are you sure you want to delete the record
with RID: " + rid + "?");
          if (result) {
              // User confirmed, navigate to delete.jsp with the rid
parameter
              window.location.href = "delete.jsp?rid=" + rid;
          } else {
              // User canceled, do nothing
          }
      }

      </script>


</head>
<body>
      <nav>
```

```html
            <div class="nav-wrapper">
                <a href="{{url_for('home')}}" class="brand-logo">RAILWAY
CROSSING
                    PORTAL</a> <a href="#" data-target="mobile-demo"
class="sidenav-trigger"><i
                        class="material-icons white-text">menu</i></a>
                <ul id="nav-mobile" class="right  hide-on-med-and-down">

                    <li><a href="" class="nav-item dropdown-trigger
profile"
                        data-target='dropdown2'> <i
                            class="material-icons right white-text"
                            style="font-size: 3rem; margin-left:
.5rem;">account_circle</i> <span
                            style="text-transform: capitalize;">Hi
ADMIN</span>
                    </a></li>
                </ul>
            </div>
    </nav>

    <ul class="sidenav" id="mobile-demo">
        <li>
            <div class="user-view">
                <div class="background">
                    <img src="{{url_for('static',
filename='images/user-bg.jpg')}}">
                </div>

            </div>
        </li>

    </ul>

    <ul id="dropdown2" class="dropdown-content">

        <li><a href="logout.jsp" class="red-text text-lighten-2"><i
                    class="material-icons">logout</i>Logout</a></li>
    </ul>



    <div class="row" style="margin-bottom: 0;">
        <div class="col l8 s12 offset-l2">
            <div class="row" style="margin-bottom: 0;">
                <div class="col s12" style="margin-top: .1rem;">
                    <ul class="tabs">
                        <li class="tab col s4"><a
href="#crossing-list"
                                class="indigo-text text-darken-
4">LIST ALL</a></li>
                        <li class="tab col s4"><a
href="#crossing-add"
                                class="indigo-text text-darken-
4">ADD NEW</a></li>
                        <li class="tab col s4"><a
href="#crossing-search"
                                class="indigo-text text-darken-
4">SEARCH</a></li>
                    </ul>
```

```
                              </div>
                          </div>
                      </div>
                  </div>


        <div id="crossing-list" class="col s12">
             <div class="row">
                  <div class="col l8 s10 offset-l2 offset-s1">

                       <sql:setDataSource var="ecommerce"
driver="com.mysql.cj.jdbc.Driver"
                               url="jdbc:mysql://localhost:3306/DB_2"
user="root"
                               password="root123" />

                       <sql:query dataSource="${ecommerce}" sql="SELECT *
FROM crossing"
                               var="result" />

                       <table border=1>
                           <tr>
                               <th>Railway ID</th>
                               <th>Name</th>
                               <th>Address</th>
                               <th>LandMark</th>
                               <th>Schedule</th>
                               <th>Person in charge</th>
                               <th>Status</th>
                               <th></th>
                               <th></th>

                           </tr>
                           <c:forEach var="row" items="${result.rows}">
                               <tr>
                                   <td><c:out value="${row.rid}"
/></td>
                                   <td><c:out value="${row.rname}"
/></td>
                                   <td><c:out
value="${row.raddress}" /></td>
                                   <td><c:out
value="${row.rlandmark}" /></td>
                                   <td><c:out
value="${row.rschedule}" /></td>
                                   <td><c:out value="${row.rperson}"
/></td>
                                   <td><c:if test="${row.rstatus ==
'OPEN'}">

                                       <a class="btn green">
                                   </c:if> <c:if
test="${row.rstatus == 'CLOSE'}">

                                       <a class="btn red">
                                   </c:if> <c:out
value="${row.rstatus}" /></td>
```

```html
                                                        <td><a
href="update.jsp?rid=<c:out value="${row.rid}" />"
                                                    class="btn indigo darken-4
modal-trigger">UPDATE</a></td>
                                            <td>
                                                <button
onclick="confirmDelete(<c:out value="${row.rid}"/>);"
                                                        class="btn
red">DELETE</button>
                                            </td>


                            </tr>
                        </c:forEach>
                    </table>
                </div>
            </div>
        </div>

        <div id="crossing-search" class="col s8">
            <div class="row">
                <div class="col l0 s5 offset-l2 offset-s1 card-panel grey
lighten-2"
                        style="margin-top: 1rem; margin-left: 25rem;
padding: 1rem;">
                    <div class="row">

                        <form action="search.jsp" method="post">
                            <div class="input-field col s8">
                                <i class="material-icons
prefix">edit</i> <input id="raddress"
                                                type="text"
class="validate" name='raddress'
                                                placeholder="search by
location" required>
                                <button type="submit" class="btn
indigo darken-4"
                                                style="font-weight:
bold;">SEARCH</button>
                            </div>
                        </form>
                    </div>
                </div>
            </div>
        </div>


        <div id="crossing-add" class="col s8">
            <div class="row">
                <div class="col l0 s5 offset-l2 offset-s1 card-panel grey
lighten-2"
                        style="margin-top: 1rem; margin-left: 25rem;
padding: 1rem;">
                    <div class="row">
                        <div class="col s12 center">
                            <h5 class="indigo-text text-darken-4"
                                    style="text-decoration:
underline; font-weight: bold;">ADD
                                    RAILWAY CROSSING DETAILS</h5>
                        </div>
```

```html
<form action="addcrossing" method="post">
    <div class="input-field col s12">
        <i class="material-icons prefix">edit</i> <input id="rid"
            type="text"
            class="validate" name='rid' required> <label
                for="rid">Railway Crossing
        ID</label>
    </div>
    <div class="input-field col s12">
        <i class="material-icons prefix">edit</i> <input id="rname"
            type="text"
            class="validate" name='rname' pattern="[a-zA-Z\s]+"
                title="Invalid Railway
        Crossing Name" required> <label
                for="rname">Railway
        Crossing Name</label>
    </div>
    <div class="input-field col s12">
        <i class="material-icons prefix">edit</i> <input id="raddress"
            type="text"
            class="validate" name='raddress'
                pattern="[a-zA-Z\s]+"
        title="Invalid Railway Crossing Address"
                required> <label
        for="raddress">Railway Crossing
                Address</label>
    </div>
    <div class="input-field col s12">
        <i class="material-icons prefix">edit</i> <input id="rlandmark"
            type="text"
            class="validate" name='rlandmark' required>
                <label for="rlandmark">Railway
        Crossing Landmark</label>
    </div>
    <div class="input-field col s12">
        <i class="material-icons prefix">edit</i> <input id="rschedule"
            type="text"
            class="validate" name='rschedule' required>
                <label for="rschedule">Train
        Schedule</label>
    </div>
    <div class="input-field col s12">
        <i class="material-icons prefix">edit</i> <input id="rperson"
            type="text"
            class="validate" name='rperson'
                pattern="[a-zA-Z\s]+"
        title="Invalid Name" required> <label
                for="rperson">Person in
        charge</label>
    </div>
    <div class="col s12 center">
        <button type="submit" class="btn indigo darken-4"
                style="font-weight:
    bold;">ADD</button>
```

```html
                                                    </div>
                                        </form>
                                    </div>
                            </div>
                    </div>
            </div>
            <div id="crossing-update" class="modal">
                    <div class="row">
                            <div class="col l0 s5 offset-l2 offset-s1 card-panel grey
lighten-2"
                                    style="margin-top: 1rem; margin-left: 25rem;
padding: 1rem;">
                                    <div class="row">
                                            <div class="col s12 center">
                                                    <h5 class="indigo-text text-darken-4"
                                                        style="text-decoration:
underline; font-weight: bold;">ADD
                                                        RAILWAY CROSSING DETAILS</h5>
                                            </div>

                                            <form action="updatecrossing" method="post">
                                                    <div class="modal-content">
                                                            <h4 class="light-blue-text text-
darken-4"
                                                                style="text-transform:
uppercase;">UPDATE DETAILS</h4>
                                                            <div class="input-field col s12">
                                                                    <i class="material-icons
prefix">edit</i> <input id="rid"
                                                                        type="text"
class="validate" name='rid' value="" required>
                                                                    <label for="rid">Railway
Crossing ID</label>
                                                            </div>
                                                            <div class="input-field col s12">
                                                                    <i class="material-icons
prefix">edit</i> <input id="rname"
                                                                        type="text"
class="validate" name='rname' pattern="[a-zA-Z\s]+"
                                                                        title="Invalid
Railway Crossing Name" required> <label
                                                                        for="rname">Railway
Crossing Name</label>
                                                            </div>
                                                            <div class="input-field col s12">
                                                                    <i class="material-icons
prefix">edit</i> <input id="raddress"
                                                                        type="text"
class="validate" name='raddress'
                                                                        pattern="[a-zA-Z\s]+"
title="Invalid Railway Crossing Name"
                                                                        required> <label
for="raddress">Railway
                                                                        Crossing
Address</label>
                                                            </div>
                                                            <div class="input-field col s12">
                                                                    <i class="material-icons
prefix">edit</i> <input id="rlandmark"
                                                                        type="text"
class="validate" name='rlandmark'
```

```html
                                                              pattern="[a-zA-Z\s]+"
title="Invalid Railway Crossing Name"
                                                              required> <label
for="rlandmark">Railway
                                                              Crossing
Landmark</label>
                                                    </div>
                                                    <div class="input-field col s12">
                                                          <i class="material-icons
prefix">edit</i> <input id="rschedule"
                                                              type="text"
class="validate" name='rschedule'
                                                              pattern="[a-zA-Z\s]+"
title="Invalid Railway Crossing Name"
                                                              required> <label
for="rschedule">Train Schedule</label>
                                                    </div>
                                                    <div class="input-field col s12">
                                                          <i class="material-icons
prefix">edit</i> <input id="rperson"
                                                              type="text"
class="validate" name='rperson'
                                                              pattern="[a-zA-Z\s]+"
title="Invalid Railway Crossing Name"
                                                              required> <label
for="rperson">Person in charge</label>
                                                    </div>
                                                    <div class="input-field col s12">
                                                          <i class="material-icons
prefix">edit</i> <input id="rstatus"
                                                              type="text"
class="validate" name='rstatus'
                                                              pattern="[a-zA-Z\s]+"
title="Invalid Railway Crossing Name"
                                                              required> <label
for="rstatus">STATUS</label>
                                                    </div>
                                                    <div class="col s12 center">
                                                          <button type="submit"
class="btn indigo darken-4"
                                                              style="font-weight:
bold;">ADD</button>
                                                    </div>
                                        </form>
                                  </div>
                                  <script
     src="https://cdnjs.cloudflare.com/ajax/libs/materialize/1.0.0/js/materialize.min.js"></script>
                                  <script type="text/javascript">
          document.addEventListener('DOMContentLoaded', function() {
        var elems = document.querySelectorAll('.sidenav');
        var instances = M.Sidenav.init(elems);
      });
    </script>
                                  <script type="text/javascript">
                  document.addEventListener('DOMContentLoaded', function()
{
              var elems = document.querySelectorAll('.product');
              var options={coverTrigger:false,constrainWidth:false}
              var instances = M.Dropdown.init(elems,options);
```

```
                });
        </script>
                        <script type="text/javascript">
                    document.addEventListener('DOMContentLoaded', function()
{
                var elems = document.querySelectorAll('.profile');
                var options={coverTrigger:false}
                var instances = M.Dropdown.init(elems,options);
                });
        </script>
                        <script type="text/javascript">
                document.addEventListener('DOMContentLoaded', function() {
            var elems = document.querySelectorAll('.collapsible');
            var instances = M.Collapsible.init(elems);
          });

        </script>

                        <script type="text/javascript">
            document.addEventListener('DOMContentLoaded', function() {
            var elems = document.querySelectorAll('select');
            var instances = M.FormSelect.init(elems);
          });
        </script>

                        <script type="text/javascript">
                var el = document.querySelector('.tabs');
                var instance = M.Tabs.init(el);
        </script>

                        <script type="text/javascript">
                document.addEventListener('DOMContentLoaded', function()
{
                var elems = document.querySelectorAll('.slider');
                var instances = M.Slider.init(elems);
              });
          </script>
                        <script type="text/javascript">
                document.addEventListener('DOMContentLoaded', function()
{

                var elems = document.querySelectorAll('.modal');
                var instances = M.Modal.init(elems);
              });
          </script>

                        <script type="text/javascript">
            document.addEventListener('DOMContentLoaded', function() {
                var elems = document.querySelectorAll('.dp-reg');
                var options = {yearRange:[1950,2023], format:"dd/mm/yyyy"}
                var instances = M.Datepicker.init(elems, options);
              });
          </script>
</body>
</html>
```

admin-login.jsp

```
<!DOCTYPE html>
<html>
```

```html
<head>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1">

<link href="https://fonts.googleapis.com/icon?family=Material+Icons"
      rel="stylesheet">
<link rel="stylesheet"
      href="https://cdnjs.cloudflare.com/ajax/libs/materialize/1.0.0/css/materialize.min.css">
<link rel="stylesheet" type="text/css" href="index.css">
<style type="text/css">
h1 {
      display: block;
      font-size: 2em;
      margin-top: 0.67em;
      margin-bottom: 0.67em;
      margin-left: 0;
      margin-right: 0;
      font-weight: bold;
}
</style>
</head>
<body>
    <section>
        <div class="imgbx">
            <h2 style="text-align: left">RAILWAY CROSSING
APPLICATION</h2>

        </div>
        <div class="contentbx">
            <div class="formbx">


                    <div class="imgbx1"
                         style="background: white; z-index: 1; margin-
left: 30%;">
                         <div class="row">
                             <div class="col s10 offset-s1 center">
                                 <h5
                                     style="color: green; text-
shadow: 2px 4px 4px rgba(46, 91, 173, 0.6)";>ADMIN
                                     LOGIN</h5>
                             </div>
                             <form action="adminlogin"
method="post">
                                 <div class="input-field col s10
offset-s1">
                                     <i class="material-icons
prefix  text-lighten-2">email</i> <input
                                         id="email"
type="email" class="validate" name="email"
                                         placeholder="Enter
email" required>
                                 </div>

                                 <div class="input-field col s10
offset-s1">
                                     <i class="material-icons
prefix  text-lighten-2">lock</i> <input
```

```html
                                                          id="password"

type="password" class="validate"

                                                          placeholder="Enter

password" name="password" required>
                                          </div>
                                          <div class="col s10 offset-s1

center"

                                                style="margin-bottom: 1rem;

margin-top: 1rem;">

                                                <button class="btn green

lighten-2" type="submit"

                                                      style="width:

100%;">LOGIN</button>
                                          </div>
                                    </form>
                              </div>
                        </div>
                  </div>
</body>
</html>
```

delete.jsp

```jsp
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
      pageEncoding="ISO-8859-1"%>
<%@page import="com.servlet.*"%>
<%@page import="com.railway.*"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
      <%
      CrossingDAO dao=new CrossingDAO();
      int rid=Integer.parseInt(request.getParameter("rid"));
      Crossing c=new Crossing();
      c.setRid(rid);
      dao.delete(c);
      response.sendRedirect("admin-dashboard.jsp");

      %>

</body>
</html>
```

fail-add.jsp

```html
<!DOCTYPE html>
<html>
<head>
    <meta charset="UTF-8">
```

```html
    <title>Alert Box on Page Load</title>
    <script>
        window.onload = function() {
            var result=confirm("Railway Crossing Already Exist");
            if(result)
                    {
            setTimeout(function() {
                window.location.href = "admin-dashboard.jsp";
            }, 10); // Delay the redirection for 2 seconds (2000
milliseconds)
                    }
        };
    </script>
</head>
<body>
</body>
</html>
```

fail-register.jsp

```html
<!DOCTYPE html>
<html>
<head>
    <meta charset="UTF-8">
    <title>Alert Box on Page Load</title>
    <script>
        window.onload = function() {
            var result=confirm("User with same Email ID exist");
            if(result)
                    {
            setTimeout(function() {
                window.location.href = "user-register.jsp";
            }, 10); // Delay the redirection for 2 seconds (2000
milliseconds)
                    }
        };
    </script>
</head>
<body>
</body>
</html>
```

fail-user-register.jsp

```html
<!DOCTYPE html>
<html>
<head>
    <meta charset="UTF-8">
    <title>Alert Box on Page Load</title>
    <script>
        window.onload = function() {
            var result=confirm("Incorrect Email or password..!Try Again");
            if(result)
                    {
            setTimeout(function() {
```

```
                window.location.href = "user-login.jsp";
            }, 10); // Delay the redirection for 2 seconds (2000
milliseconds)
                }
        };
    </script>
</head>
<body>
</body>
</html>
```

favorite.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
    <%@page import="com.servlet.*" %>
    <%@page import="com.railway.*" %>

<%@ taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core"%>
<%@ taglib prefix="sql" uri="http://java.sun.com/jsp/jstl/sql"%>
<!DOCTYPE html>
<head>
      <meta charset="utf-8">
      <meta name="viewport" content="width=device-width, initial-scale=1">
      <title>Admin Dashboard</title>
      <link href="https://fonts.googleapis.com/icon?family=Material+Icons"
rel="stylesheet">
     <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/materialize/1.0.0/css/material
ize.min.css">
<style>


            body
            {
            background:url('static/img_4.jpg') no-repeat;
            background-size:cover;



            }

      </style>

</head>
<body>
      <nav>
         <div class="nav-wrapper">
               <a href="{{url_for('home')}}" class="brand-logo">RAILWAY
CROSSING PORTAL</a>
               <a href="#" data-target="mobile-demo" class="sidenav-
trigger"><i class="material-icons white-text">menu</i></a>
                  <ul id="nav-mobile" class="right  hide-on-med-and-down">

                     <li>
                     <a href="" class="nav-item dropdown-trigger
profile" data-target='dropdown2'>
                            <i class="material-icons right white-text"
style="font-size: 3rem; margin-left: .5rem;">account_circle</i>
```

```html
                                <span style="text-transform: capitalize;">Hi
ADMIN</span>
                            </a>
                            </li>
                    </ul>
            </div>
        </nav>

        <ul class="sidenav" id="mobile-demo">
            <li>
                <div class="user-view">
                <div class="background">
                    <img src="{{url_for('static',
filename='images/user-bg.jpg')}}">
                </div>

            </div>
            </li>

        </ul>

        <ul id="dropdown2" class="dropdown-content">

            <li>
                <a href="{{url_for('logout')}}" class="red-text text-
lighten-2"><i class="material-icons">logout</i>Logout</a>
            </li>
        </ul>

 <div class="row">
            <div class="col l10 s5 offset-l2 offset-s1 card-panel grey
lighten-2" style="margin-top: 1rem;margin-left:25rem; padding: 1rem;">
                <div class="row">

    <%
    CrossingDAO dao=new CrossingDAO();
    int rid=Integer.parseInt(request.getParameter("rid"));
    Crossing c=new Crossing();
    c.setRid(rid);
    Crossing result=dao.select1(c);
  FavoriteDAO favoriteDao = new FavoriteDAO();
  Favorite fav = new Favorite();
  fav.setRid(result.getRid());
  fav.setRname(result.getRname());
  fav.setRaddress(result.getRaddress());
  fav.setRlandmark(result.getRlandmark());
  fav.setRschedule(result.getRschedule());
  fav.setRperson(result.getRperson());
  fav.setRstatus(result.getRstatus());

  favoriteDao.store(fav);
    response.sendRedirect("user-dashboard.jsp");


    %>

</body>
</html>
```

Index.css

```css
.brand-title-l{
    padding-left: 1rem !important;
    font-size: 2rem !important ;
}

.brand-title-m{
    font-size: 1.3rem !important ;
}

.nav-item{
    font-size: 1.3rem;
}
i{
    color: #696969;
}

body{
    background-image:url('https://wallpaperaccess.com/full/1339875.jpg');
    background-size:cover;
}

*
{
margin:0;
padding:0;
box-sizing:border-box;
font-family:'Poppins',sans-serif;
}

section
{
position:relative;
width:100%;
height:100vh;
display:flex;
}

section .imgbx
{
position:relative;
width:50%;
height:100%;
}
section .imgbx:before
{
position:absolute;
content:'';
top:0%;
left:0%;
width:100%;
height:100%;
background:linear-gradient(225deg,#e91e63,#03a9f4);
z-index:1;
mix-blend-mode:screen;
}


h2 {
   display: block;
```

```css
  font-size: 3em;
  margin-top: 5em;
  margin-bottom: 0.67em;
  margin-left: 3em;
  margin-right: 0;
  font-weight: bold;
  justify-content:center;


}
section .imgbx img
{
position:absolute;
top:0%;
left:0%;
width:100%;
height:100%;
object-fit:cover;
}
section .formbx
{
display:flex;
width:100%;
height:100%;
justify-content:center;
align-items:center;
}
section .contentbx
{
display:flex;
width:40%;
height:100%;
justify-content:center;
align-items:center;
}
```

index.jsp

```html
<!DOCTYPE html>
<html>
<head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">

    <link href="https://fonts.googleapis.com/icon?family=Material+Icons"
rel="stylesheet">
    <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/materialize/1.0.0/css/materialize.min.css">
    <link rel="stylesheet" type="text/css" href="index.css">
    <style type="text/css">
        h1 {
  display: block;
  font-size: 2em;
  margin-top: 0.67em;
  margin-bottom: 0.67em;
  margin-left: 0;
  margin-right: 0;
  font-weight: bold;
}
```

```
        </style>
</head>
<body>
<section>
        <div class="imgbx">
                                <h2 style="text-align:left">RAILWAY CROSSING
APPLICATION</h2>

        </div>
        <div class="contentbx">
                <div class="formbx">



<div class="row">
            <div class="row">
                <div class="col s10 offset-s1 center">
                        <button onClick="location.href = 'user-login.jsp';"
style="padding:15px; margin-left:180px; border-radius: 6px;
color:green;">LOGIN AS PUBLIC USER</button>
                        <button onClick="location.href = 'admin-
login.jsp';"style="padding:15px; margin-left:180px; border-radius: 6px;
margin-top:40px; color:green;" >LOGIN AS GOVT. ADMIN</button>
                </div>



        </div>
    </div>
</div>



</body>
</html>
```

logout.jsp

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Session Logout</title>
</head>
<body>
<%
session.invalidate();

response.sendRedirect("admin-login.jsp");

%>
<center>
</center>
</body>
</html>
```

remove.jsp

```jsp
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
    <%@page import="com.servlet.*" %>
    <%@page import="com.railway.*" %>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<%
FavoriteDAO dao=new FavoriteDAO();
int rid=Integer.parseInt(request.getParameter("rid"));
Favorite c=new Favorite();
c.setRid(rid);
dao.remove(c);
response.sendRedirect("user-dashboard.jsp");


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

search.jsp

```jsp
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
    <%@page import="com.servlet.*" %>
    <%@page import="com.railway.*" %>
<%@ page import="java.util.List" %>
<!DOCTYPE html>
<html>
<head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <title>Admin Dashboard</title>
    <link href="https://fonts.googleapis.com/icon?family=Material+Icons"
rel="stylesheet">
    <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/materialize/1.0.0/css/material
ize.min.css">
<style>

        body
        {
        background:url('static/img_4.jpg') no-repeat;
        background-size:cover;


        }

    </style>

</head>
<body>
    <nav>
        <div class="nav-wrapper">
```

```html
                <a href="{{url_for('home')}}" class="brand-logo">RAILWAY
CROSSING PORTAL</a>
                <a href="#" data-target="mobile-demo" class="sidenav-
trigger"><i class="material-icons white-text">menu</i></a>
                    <ul id="nav-mobile" class="right  hide-on-med-and-down">

                        <li>
                        <a href="" class="nav-item dropdown-trigger
profile" data-target='dropdown2'>
                                <i class="material-icons right white-text"
style="font-size: 3rem; margin-left: .5rem;">account_circle</i>
                                    <span style="text-transform: capitalize;">Hi
USER</span>
                        </a>
                        </li>
                    </ul>
            </div>
        </nav>

        <ul class="sidenav" id="mobile-demo">
            <li>
                <div class="user-view">
                <div class="background">
                        <img src="{{url_for('static',
filename='images/user-bg.jpg')}}">
                </div>

            </div>
            </li>

        </ul>

        <ul id="dropdown2" class="dropdown-content">

            <li>
                <a href="{{url_for('logout')}}" class="red-text text-
lighten-2"><i class="material-icons">logout</i>Logout</a>
            </li>
        </ul>


        <%
        CrossingDAO dao=new CrossingDAO();
        String raddress=request.getParameter("raddress");
        Crossing c=new Crossing();
        c.setRaddress(raddress);
        List<Crossing> results = dao.search(c);

        %>
<div id="crossing-list" class="col s12">
        <div class="row">
            <div class="col l8 s10 offset-l2 offset-s1">


<table border=1>
            <tr>
                <th>Railway ID</th>
                <th>Name</th>
                <th>Address</th>
                <th>LandMark</th>
                <th>Schedule</th>
```

```jsp
                <th>Person in charge</th>
                <th>Status</th>
                <th></th>
                <th></th>


          </tr>


              <td>
                    <% for (Crossing result : results) { %>
          <tr>
              <td><%= result.getRid() %></td>
              <td><%= result.getRname() %></td>
              <td><%= result.getRaddress() %></td>
              <td><%= result.getRlandmark() %></td>
            <td><%= result.getRschedule() %></td>
            <td><%= result.getRperson() %></td>
              <td>
        <% if (result.getRstatus().equals("OPEN")) { %>
            <a class="btn green">OPEN</a>
        <% } else if (result.getRstatus().equals("CLOSE")) { %>
            <a class="btn red">CLOSE</a>
        <% } %>
       </td>
          </tr>
        <% } %>



              </tr>
      </table>
          </div>
      </div>
</div>
</body>
</html>
```

update.jsp

```jsp
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
    <%@page import="com.servlet.*" %>
    <%@page import="com.railway.*" %>

<%@ taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core"%>
<%@ taglib prefix="sql" uri="http://java.sun.com/jsp/jstl/sql"%>
<!DOCTYPE html>
<head>
      <meta charset="utf-8">
      <meta name="viewport" content="width=device-width, initial-scale=1">
      <title>Admin Dashboard</title>
      <link href="https://fonts.googleapis.com/icon?family=Material+Icons"
rel="stylesheet">
     <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/materialize/1.0.0/css/materialize.min.css">
<style>
```

```html
        body
        {
        background:url('static/img_4.jpg') no-repeat;
        background-size:cover;


        }

   </style>

</head>
<body>
    <nav>
        <div class="nav-wrapper">
            <a href="{{url_for('home')}}" class="brand-logo">RAILWAY
CROSSING PORTAL</a>
            <a href="#" data-target="mobile-demo" class="sidenav-
trigger"><i class="material-icons white-text">menu</i></a>
                <ul id="nav-mobile" class="right  hide-on-med-and-down">

                    <li>
                    <a href="" class="nav-item dropdown-trigger
profile" data-target='dropdown2'>
                            <i class="material-icons right white-text"
style="font-size: 3rem; margin-left: .5rem;">account_circle</i>
                            <span style="text-transform: capitalize;">Hi
ADMIN</span>
                    </a>
                    </li>
                </ul>
        </div>
    </nav>

    <ul class="sidenav" id="mobile-demo">
        <li>
            <div class="user-view">
            <div class="background">
                <img src="{{url_for('static',
filename='images/user-bg.jpg')}}">
            </div>

        </div>
        </li>

    </ul>

    <ul id="dropdown2" class="dropdown-content">

        <li>
            <a href="{{url_for('logout')}}" class="red-text text-
lighten-2"><i class="material-icons">logout</i>Logout</a>
        </li>
    </ul>

 <div class="row">
        <div class="col l10 s5 offset-l2 offset-s1 card-panel grey
lighten-2" style="margin-top: 1rem;margin-left:25rem; padding: 1rem;">
            <div class="row">

    <%
```

```jsp
        CrossingDAO dao=new CrossingDAO();
        int rid=Integer.parseInt(request.getParameter("rid"));
        Crossing c=new Crossing();
        c.setRid(rid);
        Crossing result=dao.select(c);


    %>
                    <form action="update" method="POST">
                        <h4 class="light-blue-text text-darken-4 center"
style="text-transform: uppercase;">UPDATE DETAILS</h4>
                            <div class="input-field col s12">
                        Railway Crossing ID

                                <input id="rid" type="text"
class="validate" name='rid' value="<%= result.getRid() %>"  required>
                        </div>
                                <div class="input-field col s12">
                        Railway Crossing Name

                                <input id="rname" type="text"
class="validate" name='rname' value="<%= result.getRname() %>"  required>
                        </div>
                        <div class="input-field col s12">
                        Railway Crossing Address

                                <input id="raddress" type="text"
class="validate" name='raddress' value="<%= result.getRaddress() %>"
required>
                        </div>
                        <div class="input-field col s12">
                        Railway Crossing LandMark

                                <input id="rlandmark" type="text"
class="validate" name='rlandmark' value="<%= result.getRlandmark() %>"
required>
                        </div>
                        <div class="input-field col s12">
                        Schedule
                                <input id="rschedule" type="text"
class="validate" name='rschedule' value="<%= result.getRschedule() %>"
required>
                        </div>
                        <div class="input-field col s12">
                        Person in charge

                                <input id="rperson" type="text"
class="validate" name='rperson' value="<%= result.getRperson() %>"
required>
                        </div>
                        <div class="input-field col s12">
                        status

                                <input id="rstatus" type="text"
class="validate" name='rstatus' value="<%= result.getRstatus() %>"
required>
                        </div>
                            <div class="col s12 center">
                                <button type="submit" class="btn indigo
darken-4" style="font-weight: bold;">UPDATE</button>
                            </div>
```

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

User-dashboard.jsp

```jsp
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<%@page import="com.servlet.*"%>
<%@page import="com.railway.*"%>

<%@ taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core"%>
<%@ taglib prefix="sql" uri="http://java.sun.com/jsp/jstl/sql"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
<title>User Dashboard</title>
<link href="https://fonts.googleapis.com/icon?family=Material+Icons"
    rel="stylesheet">
<link rel="stylesheet"
    href="https://cdnjs.cloudflare.com/ajax/libs/materialize/1.0.0/css/ma
terialize.min.css">
<style>
body {
    background: url('static/img_4.jpg') no-repeat;
    background-size: cover;
}

.favorite-btn {
    color: blue; /* Default color */
}

.favorite-btn.favorite {
    color: yellow; /* Color when the button is favorited */
}
</style>
<script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>
<script>
  $(document).ready(function() {
    $(".favorite-btn").click(function() {
      $(this).toggleClass("favorite"); // Toggle the 'favorite' class on
click
    });
  });
</script>
</head>
<body>
    <nav>
        <div class="nav-wrapper">
            <a href="{{url_for('home')}}" class="brand-logo">RAILWAY
CROSSING
                    PORTAL</a> <a href="#" data-target="mobile-demo"
class="sidenav-trigger"><i
                    class="material-icons white-text">menu</i></a>
            <ul id="nav-mobile" class="right  hide-on-med-and-down">
```

```html
                    <li><a href="" class="nav-item dropdown-trigger
profile"
                          data-target='dropdown2'> <i
                                class="material-icons right white-text"
                                style="font-size: 3rem; margin-left:
.5rem;">account_circle</i> <span
                                style="text-transform: capitalize;">Hi
USER</span>
                    </a></li>
            </ul>
        </div>
    </nav>

    <ul class="sidenav" id="mobile-demo">
        <li>
            <div class="user-view">
                <div class="background">
                    <img src="{{url_for('static',
filename='images/user-bg.jpg')}}">
                </div>

            </div>
        </li>

    </ul>

    <ul id="dropdown2" class="dropdown-content">

        <li><a href="user-logout.jsp" class="red-text text-lighten-
2"><i
                    class="material-icons">logout</i>Logout</a></li>
    </ul>




    <div class="row" style="margin-bottom: 0;">
        <div class="col l8 s12 offset-l2">
            <div class="row" style="margin-bottom: 0;">
                <div class="col s12" style="margin-top: .1rem;">
                    <ul class="tabs">
                        <li class="tab col s4"><a
href="#crossing-list"
                                class="indigo-text text-darken-
4">LIST ALL CROSSING</a></li>
                        <li class="tab col s4"><a
href="#crossing-add"
                                class="indigo-text text-darken-
4">FAVORITE CROSSING</a></li>
                        <li class="tab col s4"><a
href="#crossing-search"
                                class="indigo-text text-darken-
4">SEARCH</a></li>
                    </ul>
                </div>
            </div>
        </div>
    </div>
```

```html
<div id="crossing-list" class="col s12">
    <div class="row">
        <div class="col l8 s10 offset-l2 offset-s1">

            <sql:setDataSource var="ecommerce"
driver="com.mysql.cj.jdbc.Driver"
                url="jdbc:mysql://localhost:3306/DB_2"
user="root"
                password="root123" />

            <sql:query dataSource="${ecommerce}" sql="SELECT *
FROM crossing"
                var="result" />

            <table border=1>
                <tr>
                    <th>Railway ID</th>
                    <th>Name</th>
                    <th>Address</th>
                    <th>LandMark</th>
                    <th>Schedule</th>
                    <th>Person in charge</th>
                    <th>Status</th>



                </tr>
                <c:forEach var="row" items="${result.rows}">
                    <tr>
                        <td><c:out value="${row.rid}"
/></td>
                        <td><c:out value="${row.rname}"
/></td>
                        <td><c:out
value="${row.raddress}" /></td>
                        <td><c:out
value="${row.rlandmark}" /></td>
                        <td><c:out
value="${row.rschedule}" /></td>
                        <td><c:out value="${row.rperson}"
/></td>
                        <td><c:if test="${row.rstatus ==
'OPEN'}">

                            <a class="btn green">
                        </c:if> <c:if
test="${row.rstatus == 'CLOSE'}">

                            <a class="btn red">
                        </c:if> <c:out
value="${row.rstatus}" /></td>


                        <td><a
href="favorite.jsp?rid=<c:out value="${row.rid}"/>"
                            class="favorite-
btn">&#9734;</a></td>



                    </tr>
                </c:forEach>
```

```html
                              </table>
                          </div>
                      </div>
                  </div>

          <div id="crossing-search" class="col s8">
                  <div class="row">
                          <div class="col l0 s5 offset-l2 offset-s1 card-panel grey
lighten-2"
                              style="margin-top: 1rem; margin-left: 25rem;
padding: 1rem;">
                              <div class="row">

                                  <form action="search.jsp" method="post">
                                          <div class="input-field col s8">
                                              <i class="material-icons
prefix">edit</i> <input id="raddress"
                                                      type="text"
class="validate" name='raddress'
                                                      placeholder="search by
location" required>
                                              <button type="submit" class="btn
indigo darken-4"
                                                      style="font-weight:
bold;">SEARCH</button>
                                          </div>
                                  </form>
                              </div>
                          </div>
                  </div>
          </div>


          <div id="crossing-add" class="col s8">
                  <div class="row">
                          <div class="col l8 s10 offset-l2 offset-s1">


                              <sql:setDataSource var="ecommerce"
driver="com.mysql.cj.jdbc.Driver"
                                      url="jdbc:mysql://localhost:3306/DB_2"
user="root"
                                      password="root123" />

                              <sql:query dataSource="${ecommerce}" sql="SELECT *
FROM favorite"
                                      var="result" />

                              <table border=1>
                                  <tr>
                                      <th>Railway ID</th>
                                      <th>Name</th>
                                      <th>Address</th>
                                      <th>LandMark</th>
                                      <th>Schedule</th>
                                      <th>Person in charge</th>
                                      <th>Status</th>


                                  </tr>
```

```jsp
                                    <c:forEach var="row" items="${result.rows}">
                                        <tr>
                                            <td><c:out value="${row.rid}"
/></td>

                                            <td><c:out value="${row.rname}"
/></td>

                                            <td><c:out

value="${row.raddress}" /></td>

                                            <td><c:out

value="${row.rlandmark}" /></td>

                                            <td><c:out

value="${row.rschedule}" /></td>

                                            <td><c:out value="${row.rperson}"

/></td>

                                            <td><c:if test="${row.rstatus ==
'OPEN'}">

                                                <a class="btn green">
                                            </c:if> <c:if

test="${row.rstatus == 'CLOSE'}">

                                                <a class="btn red">
                                            </c:if> <c:out

value="${row.rstatus}" /></td>

                                            <td></td>
                                            <td><a

href="remove.jsp?rid=<c:out value="${row.rid}"/>">Remove
                                                from

Favorite</a></td>




                                        </tr>
                                    </c:forEach>
                                </table>
                            </div>
                        </div>
                </div>

                <script

    src="https://cdnjs.cloudflare.com/ajax/libs/materialize/1.0.0/js/mate
rialize.min.js"></script>
                <script type="text/javascript">
                    document.addEventListener('DOMContentLoaded', function() {
                  var elems = document.querySelectorAll('.sidenav');
                  var instances = M.Sidenav.init(elems);
                });
                </script>
                <script type="text/javascript">
                        document.addEventListener('DOMContentLoaded', function()
{

                        var elems = document.querySelectorAll('.product');
                        var options={coverTrigger:false,constrainWidth:false}
                        var instances = M.Dropdown.init(elems,options);
                    });
                </script>
                <script type="text/javascript">
                        document.addEventListener('DOMContentLoaded', function()
{

                        var elems = document.querySelectorAll('.profile');
```

```
                var options={coverTrigger:false}
                var instances = M.Dropdown.init(elems,options);
            });
        </script>
        <script type="text/javascript">
            document.addEventListener('DOMContentLoaded', function() {
          var elems = document.querySelectorAll('.collapsible');
          var instances = M.Collapsible.init(elems);
        });

        </script>

        <script type="text/javascript">
            document.addEventListener('DOMContentLoaded', function() {
          var elems = document.querySelectorAll('select');
          var instances = M.FormSelect.init(elems);
        });
        </script>

        <script type="text/javascript">
                var el = document.querySelector('.tabs');
                var instance = M.Tabs.init(el);
        </script>

        <script type="text/javascript">
                document.addEventListener('DOMContentLoaded', function()
{
                var elems = document.querySelectorAll('.slider');
                var instances = M.Slider.init(elems);
            });
            </script>
        <script type="text/javascript">
                document.addEventListener('DOMContentLoaded', function()
{
                var elems = document.querySelectorAll('.modal');
                var instances = M.Modal.init(elems);
            });
            </script>

        <script type="text/javascript">
            document.addEventListener('DOMContentLoaded', function() {
                var elems = document.querySelectorAll('.dp-reg');
                var options = {yearRange:[1950,2023], format:"dd/mm/yyyy"}
                var instances = M.Datepicker.init(elems, options);
            });
        </script>
</body>
</html>
```

user-login.jsp

```
<!DOCTYPE html>
<html>
<head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">

    <link href="https://fonts.googleapis.com/icon?family=Material+Icons"
rel="stylesheet">
```

```html
    <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/materialize/1.0.0/css/material
ize.min.css">
    <link rel="stylesheet" type="text/css" href="index.css">
    <style type="text/css">
        h1 {
  display: block;
  font-size: 2em;
  margin-top: 0.67em;
  margin-bottom: 0.67em;
  margin-left: 0;
  margin-right: 0;
  font-weight: bold;
}
    </style>
</head>
<body>
<section>
    <div class="imgbx">
                        <h2 style="text-align:left">RAILWAY CROSSING
APPLICATION</h2>

    </div>
    <div class="contentbx">
            <div class="formbx">



<div class="imgbx1" style="background:white;z-index:1; margin-left:30%;">
        <div class="row">
          <div class="col s10 offset-s1 center">
                    <h5 style="color: green;
    text-shadow: 2px 4px 4px rgba(46,91,173,0.6)";>USER LOGIN</h5>
            </div>
            <form action="userlogin" method="post">
                <div class="input-field col s10 offset-s1">
                    <i class="material-icons prefix  text-lighten-
2">email</i>
                    <input id="email" type="email" class="validate"
name="email" placeholder="Enter email" required>
                </div>

                <div class="input-field col s10 offset-s1">
                        <i class="material-icons prefix  text-lighten-
2">lock</i>
                        <input id="password" type="password"
class="validate" placeholder="Enter password" name="password" required>
                </div>
                <div class="col s10 offset-s1 center" style="margin-
bottom: 1rem; margin-top: 1rem;">
                <button class="btn green lighten-2" type="submit"
style="width:100%;">LOGIN</button>
            </div>
          </form>
            <div class="col s5 offset-s1" style="padding-right:0;">
                <span class="right">Not a member?</span>
                </div>

                <div class="col s5" style="padding-left: 0;">
                <a style="color:blue; " class="modal-trigger" href="user-
register.jsp"><u>REGISTER</u></a>
```

```
            </div>
        </div>
      </div>
  </div>


</body>
</html>
```

user-logout.jsp

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Session Logout</title>
</head>
<body>
<%
session.invalidate();

response.sendRedirect("user-login.jsp");

%>
<center>
</center>
</body>
</html>
```

user-register.jsp

```
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1">

<link href="https://fonts.googleapis.com/icon?family=Material+Icons"
      rel="stylesheet">
<link rel="stylesheet"
      href="https://cdnjs.cloudflare.com/ajax/libs/materialize/1.0.0/css/materialize.min.css">
<link rel="stylesheet" type="text/css" href="index.css">
<style type="text/css">
h1 {
      display: block;
      font-size: 2em;
      margin-top: 0.67em;
      margin-bottom: 0.67em;
      margin-left: 0;
      margin-right: 0;
      font-weight: bold;
}
</style>
```

```html
<script>
    function validateForm() {
      var password = document.getElementById("password").value;
      var confirmPassword = document.getElementById("cpassword").value;

      if (password !== confirmPassword) {
          alert("Passwords do not match. Please re-enter.");
          return false;
      }
    }
    </script>
</head>
<body>
    <section>
        <div class=""></div>
        <div class="contentbx">
            <div class="formbx">


                    <div class="imgbx1"
                        style="background: white; margin-left: 70%;
margin-right: -50%;">
                        <div class="row">
                            <div class="col s10 offset-s1 center">
                                <h5
                                    style="color: DarkRed;
text-shadow: 2px 4px 4px rgba(46, 91, 173, 0.6)";>USER
                                    REGISTRATION</h5>
                            </div>
                            <form action="register" method="POST"
                                onsubmit="return validateForm()">
                                <div class="input-field col s10
offset-s1">
                                    <i class="material-icons
prefix  text-lighten-2">email</i> <input
                                        id="uname"
type="text" name="uname"
                                        placeholder="Enter
User Name" required>
                                </div>
                                <div class="input-field col s10
offset-s1">
                                    <i class="material-icons
prefix  text-lighten-2">email</i> <input
                                        id="email"
type="email" class="validate" name="email"
                                        placeholder="Enter
email" required>
                                </div>

                                <div class="input-field col s10
offset-s1">
                                    <i class="material-icons
prefix  text-lighten-2">lock</i> <input
                                        id="password"
type="password" class="validate"
                                        placeholder="Enter
password" name="password" required>
                                </div>
```

```html
                                                <div class="input-field col s10
offset-s1">
                                                    <i class="material-icons
prefix  text-lighten-2">lock</i> <input
                                                        id="cpassword"
type="password" class="validate"
                                                        placeholder="Confirm
password" name="cpassword" required>
                                                </div>
                                                <div class="col s10 offset-s1
center"
                                                    style="margin-bottom: 1rem;
margin-top: 1rem;">
                                                    <button class="btn green
lighten-2" type="submit"
                                                        style="width:
100%;">REGISTER</button>
                                                </div>
                                            </form>
                                            <div class="col s5 offset-s1"
style="padding-right: 0;"></div>
                                        </div>
                                    </div>
</body>
</html>
```