

Assessment Project :- Railway Crossing Status

// Database connectivity

```
package Railway;
```

```
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 = "root";
```

```
    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;
    }
}
```

// servlet program

```
package Railway;
```

```
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 = "mayur.kumar@gmail.com";
```

```
    private static final String ADMIN_PASSWORD = "1233455";
```

```
// Handle POST requests

protected void doPost(HttpServletRequest request,
HttpServletRequest response)

    throws ServletException, IOException {

    // Retrieve the email and password parameters from the request
    String email = request.getParameter("email");
    String password = request.getParameter("password");

    // Check if the provided email and password match the admin
    credentials

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

        // Redirect to the admin home page if the credentials are correct
        response.sendRedirect("adminHome.jsp");

    } else {

        // If the credentials are incorrect, forward the request to the
        admin login page

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

    }

}
```

// mysql code

show databases;

create database railway_crossing_status;

use railway_crossing_status;

CREATE TABLE user_signup (

id INT PRIMARY KEY AUTO_INCREMENT, name VARCHAR(255) NOT NULL,

email VARCHAR(255) NOT NULL, password VARCHAR(255) NOT NULL

);

CREATE TABLE railway_crossing (

id INT PRIMARY KEY AUTO_INCREMENT, name VARCHAR(255),

address VARCHAR(255), landmark VARCHAR(255), train_schedule VARCHAR(255),

person_in_charge VARCHAR(255), status VARCHAR(50)

);

CREATE TABLE favorite_crossing (

id INT PRIMARY KEY AUTO_INCREMENT,

railway_crossing_id INT,

```
FOREIGN KEY (railway_crossing_id) REFERENCES  
railway_crossing(id)  
);
```