Project Proposal (Group D)

**Metro Rail Ticket Booking System**

**Course:** CSE215

**Section:** 16

**Team Members:**

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**Language: Java**

**Toolkit : JavaFX, Java Swing**

**Version Control: Git**

The project has 3 main part:

1. Sign Up / Log In
2. User Section
3. Admin Section

### **Sign Up / Log In Section**

First, there will be a welcome interface and in that there will be :

* **Sign Up**
* **Log In**

For Sign Up there will be a Window called Register and, in that window, there will be:

* **Username**
* **E-mail address**
* **Password**
* **Password Confirmation**
* **Security Question**

After all this task is completed and saved this information, a next window will open which is Log in window.

* **Username**
* **Password**
* **Forget Password**

If a user forgets his/her password then he/she can reset her/his password by re-entering the user name and new password.

### **User Section**

After successfully logging into our system a new interface will open and, in that window, we have:

* **Buy Ticket**
* **Notice Board**
* See all the notice from metro authority
* **Complain/Enquiry**
* See email address for any complain or enquiry.

At a corner of the screen the user will be able to see the arrival time of the nest train

In the Buy Ticket window, a user have to set their current location and a destination location to buy a ticket. There will be:

* **From**
* **To**
* **Buy**

According to his/her input the user will see the ticket fair and buy the ticket

After successfully buying a ticket, an Invoice will be generated.

In that window we have:

* **Thank you, message**
* **Date**
* **Name**
* **Email**
* **Ticket ID**
* **Ticket Validity Date**

### **Admin Section**

After Entering a admin username and password authorized individuals can enter the admin section

In Admin window we have:

* **Ticket**
* Add total number of tickets to be sold
* See username and number of tickets Sold
* **Edit Notice Board**
* **Edit Time Table**

**In Edit Notice Board,**

The admin can upload important notice regarding metro rail as a pdf file format. And from the notice section the users can download those files and see what’s inside.

**In Edit Time Table,**

In this section the admin can edit the beginning and ending hour, and the interval between trains of daily commuting time.