

Metro Rail Sheba

Course-No: CSE 250

Presented By

MD. AZIZUL HAKIM
Reg No. 2016331025

Supervisor

Enamul Hasan
Assistant Professor

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
SHAHJALAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

Metro Rail Sheba

Metro Rail Sheba is an Android metro rail application that provides users with essential information and features

Goal

This project started with the idea to provide Metro Rail users essential information and the ability to purchase Metro Rail tickets, as well as other features such as: User complain, Train Information, Helpline.

Technologies Used

Language: Java, XML

IDE: Android Studio

Database: Firebase

Functionalities

- ▶ **GUI Design:** Designing of the application with what user will interact.
- ▶ **Registration and Sign In:** Users Can Resgister and sign in to use the Application.
- ▶ **User Tray:** Informations for User

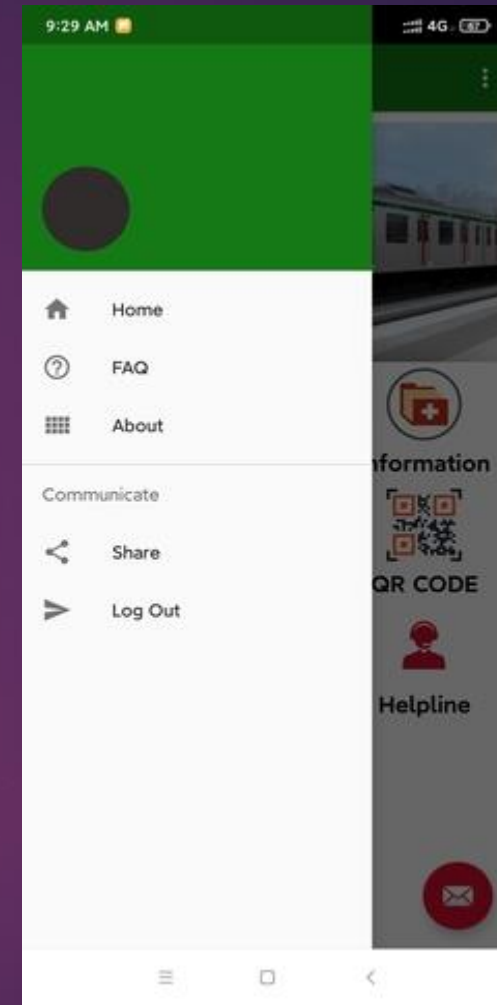


Figure: Homepage, Registration Page, User Tray

Functionalities continued..

- ▶ **Complaint System and Community:** User can complain anything about the application that will be stored in the database(firebase).
- ▶ **Packages:** Different packages of journey can be offered monthly/weekly.
- ▶ **Helpline:** Emergency helpline COntracts can be found here.

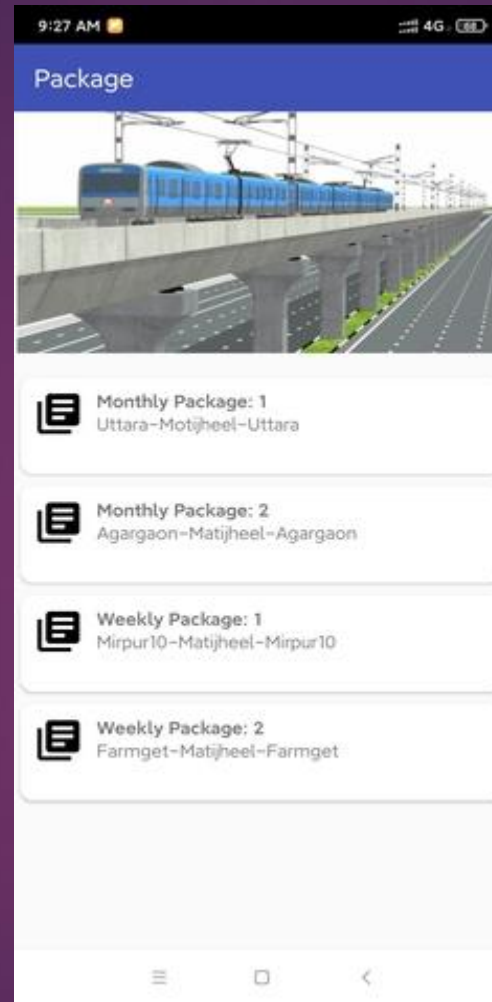


Figure: Complaint System, Packages, Helpline Pages.

Functionalities continued..

- ▶ **Train Information:** Information about trains could be known such as: for a desired location which train is available in specified time.
- ▶ **Ticket Purchasing** ticket purchasing by providing required information correctly.
- ▶ **History:** Purchasing history can be kept here.

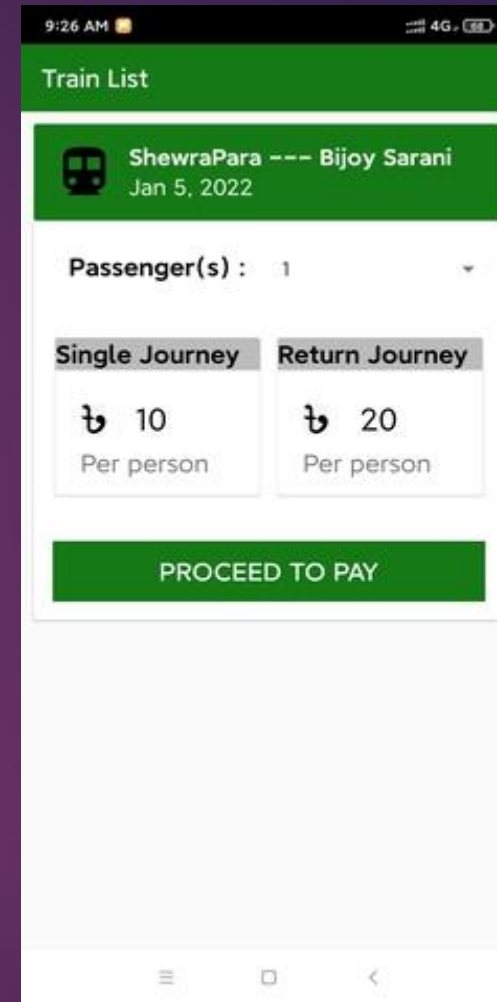
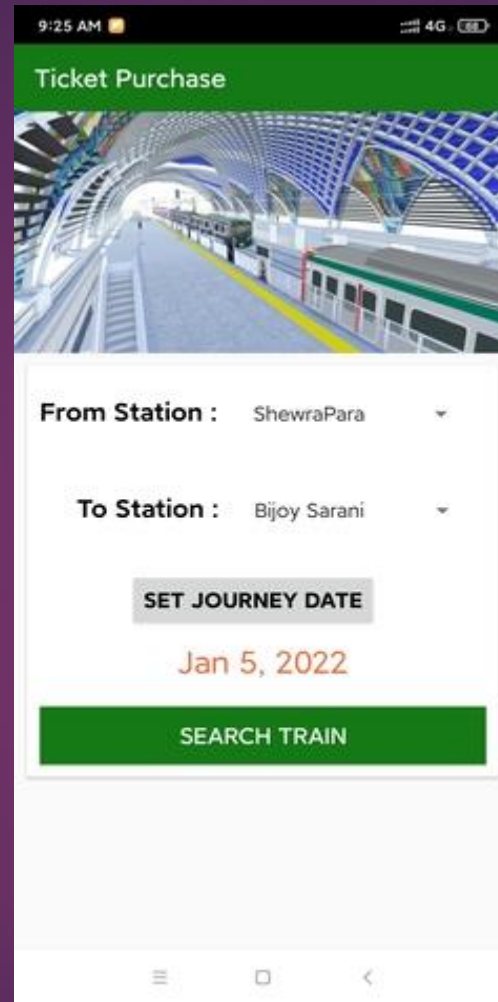
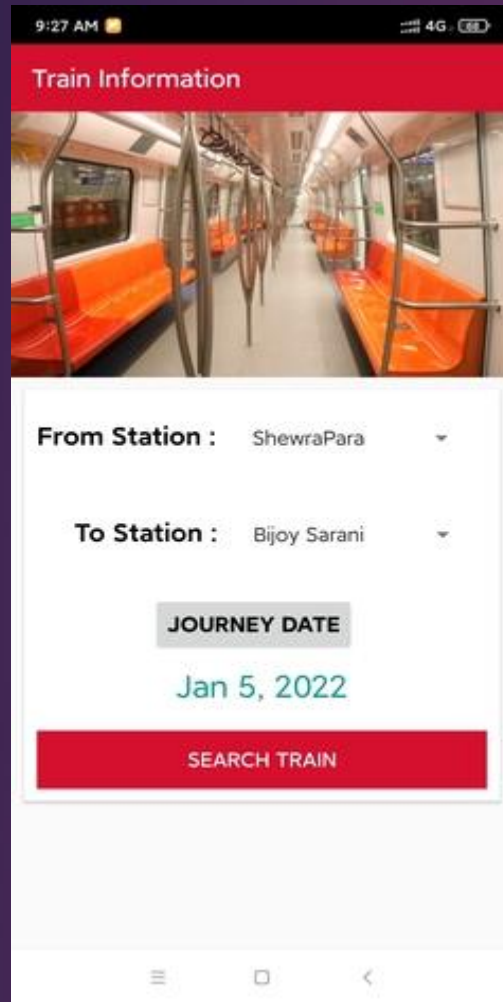


Figure: Train Information and Ticket Purchasing Pages.

Incomplete Features

- ▶ **Ticket payment:** paymnet gateway is paid. you can procced till purchase and the data will be stored in firebase. if we will be able to manage payment gateway then it will be easily completed.
- ▶ **Tracking:** Tracking is not possible due to device requirement and knowledge lackings.

My Contribution

All written programs and other works done by me without using any templates. My works on this project can be listed as:

- ▶ Programming.
- ▶ User Interface's.
- ▶ Functionalities.
- ▶ Database.
- ▶ Github Tasks.



Thank You...