

## **Product Name: Rail Me**

Rail-me is a train service provider that commutes people from the Lagos region to the Northern part of Nigeria. The management considered switching from the conventional 7-paper booking system to a digitized one without business downtime.

You have been tasked to build the following endpoints:

### **Users:**

1. Must be able to sign up with Phone Number, Email, First Name, Last Name, and Password.
2. Must be able to log in with Email address and password.
3. Must be able to book a train seat.
4. Must be able to edit his/her booking time.
5. Must be able to delete (cancel) his/her booking.
6. Can see all services provided by the train station (Hint: Include Reservation, Business or Economy).

// E. Ajagun

7. Should have a profile and be able to manage their profile.
8. Be able to pay for their tickets online.
9. Be able to see their booking history.

//Adesola

- Users should also add their emergency contact in case of emergency

//Let's add more to these features for users.

//Ademola

- Must be able to see the number of vacant seats available or otherwise.
- Must be able to transfer their booking to another passenger.
- They should have the option to state if they have unique conditions that may need to be put into consideration (i.e. sitting arrangement).

//Henry Chizoba

- Should be able to give feedback and rate the their journey
- Should get an email when a ticket is booked
- Should get a reminder email a day or some hours before departure time
- Should possibly have a wallet which can be funded by bank transfer
- Should be able to pay for a ticket from their wallet

**Admin:**

1. Must be able to see all registered commuters (users).
2. Must be able to upload new reservations for commuters to book.
3. Must be able to know the total number of bookings done on the platform.

// banjoko

4. Must be able to know the number of coaches of each train and its carrying capacity, current driver, history of each train's trip
5. Must be able to switch booking between passengers for those that wish to sell their tickets.
6. Must be able to fix passengers to suitable seats based on their unique physical conditions (e.g. disability).

// Let's add more to these features for admin.

//Henry Chizoba

7. Admin should see the opened ticket for each commuter on their profile
8. Admin should see the booking history of each commuter
9. Should be able to suspend a commuter account

//Ezedike-egwom Collins

10. Should be able to delete a commuter's booking.

//Henry Ugochukwu

11. Admin should be able to see the history of a particular train (total number of tickets booked in given period, total number of passengers carried within a given period)

//E. Ajagun

**Payment Integration:**

1. Integrate payment providers to allow users to pay for their bookings online.

Please note that Users are also referred to as Commuters

### **Mode of Submission**

1. Push your codebase to a public version control repository e.g., GitHub or GitLab (ensure you use a good commit message pattern)
2. Document your API using Postman and publish it.
3. Include the link of your published documentation in your readme.md file