CSE202: Fundamentals of DataBase Management Systems
Final Deadline
FloRide – An E2E database application for cab booking

User Guide

FloRide offers the following functionalites on the passenger side:-

- **SignUp:** To create a new user. The data required to create a new user is their firstname, lastname, email and phone number. The email and phone number must be unique.
- **Login**: To Login into account of an existing user, they just to enter their (registered) email address.
- **New Booking:** A user can initiate a new cab ride using this function. They need to enter their **pickup location and dropoff location** to initiate a new booking.
- **Review ride:** A user who has just completed their booking can give the review of their experience. To do so, they need to enter the **booking id,** their **star review** (out of 5) and an optional **text review** describing their experience.

FloRide offers the following functionalities on the driver side:-

- **SignUp**: To register yourself as a driver on our app. The data required to register yourself as a driver include your firstname, lastname, email, phone number, gender, license number, date of birth and your car.
- **Login**: To Login into account of an existing driver, they just to enter their (registered) email address.
- **Accept or reject a new ride:** Driver will be prompted whenever a user nearby initiates a booking. They have the option to either accept or reject that booking.
- **Complete ride:** After a ride has been completed, the driver is supposed to mark that ride/booking as "completed".

FloRide offers the following functionalities on the admin's side:-

- **List users:** Get a user's data by entering their user_id (except their passwords, ofcourse ;))
- **Past bookings**: View past bookings of a particular user or a particular driver.
- **Pending bookings:** View the pending bookings of a driver (i.e the bookings which the driver has neither rejected nor completed).

Instructions to run the code:

- Install MySQL in your system.
- Download the entire codebase.
- Navigate into the DataPopulation directory and follow the steps mentioned in Report.pdf to have a populated MySQL database in your system.
- Navigate into the FloRide directory. Go to line5 of database.py file and replace "root" with the name of the user of the MySQL database in your system and "ashu" with the password of that user, if any.
- Run the following command in terminal– "`uvicorn main:app --reload`"
- Open the hosted server in your browser by entering this in the url: http://127.0.0.1:8000/docs

- Voila! You can use the services offered by FloRide. Do remember to leave a feedback once you're done :)

Thank you