

# Uber

## Features:

1. Riders authentication and authorization
  - a. Riders registration and login functionality
  - b. Allow Riders to create a profile with field full name, email, password and user type: rider
2. Drivers authentication and authorization
  - a. Drivers registration and login functionality
  - b. Allow Drivers to create a profile with field full name, email, password and user type: driver
3. Get the list of drivers around a particular location of Rider.
  - a. Allow an endpoint that takes rider location as an Input and returns a list of drivers around that location.
4. Book a rider
  - a. A rider enters the details regarding source and destination into the fields.
  - b. A ride is booked with the nearest driver who accepts the request and booking is confirmed.
  - c. An endpoint is created for booking a ride.
5. Get the list of ride request in the Driver portal
  - a. An endpoint that fetches a list of ride requests to that driver in real time.
6. Driver can accept a requested trip.
  - a. From the list of rides requested the driver can accept the ride request at a time.
  - b. An endpoint for that is created.
7. Drivers location and estimated arrival time.
  - a. Once the driver accepts the ride request, the booking detail is sent to the rider.
  - b. The detail also includes the estimated time of arrival of the driver in the location of the rider.

- c. An endpoint from where the details can be fetched in real time is created.
  
- 8. An OTP for the current ride is created.
  - a. An OTP is sent to the rider for the current on going trip.
  - b. That OTP can be verified from the Driver's app.
  - c. An endpoint for that is created.
  
- 9. Trip History
  - a. An endpoint is created to get the list of trips that have been completed.
  - b. Also an endpoint for getting a particular trip details is created.
  
- 10. Trip cancellation by Riders and Drivers (Independently).
  - a. Allow the driver to cancel the booking before accepting it from the driver's portal.
  - b. Also the rider can cancel the booking before it has been accepted by the Driver.
  - c. An endpoint for both is created.