

# Flipr Hackathon XII

Full Stack Web Development Task

Theme: Goods Transportation Service

## General Instructions :

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1. All candidates are expected to submit the code on or **before 10:00 PM, 14th February 2022.**
2. Upload the code in any version control like Git, Bitbucket, etc ( do not mention flipr in the repo name or inside the code. This is to avoid code duplicacy. )
3. Please provide GitHub, GitLab, or bitbucket repo URL for your assignment.
4. Add the instructions in your readme.md file to build and run the app.
5. Share all the files and links in this google form also make sure to make these files publicly available, any file that fails to open due to not being shared via a public link will not be considered as part of submission - [Link to Form](#)
6. You can refer to the Internet and Books but whatever you code you must understand because if you are going to be shortlisted for an interview then you must be able to explain to the company officials about your code.
7. For any queries regarding the project, you can mail at [devops@flipr.ai](mailto:devops@flipr.ai)

## Problem Statement

### Use Case:

You are expected to build a web application where dealers can book drivers through the application for transporting their goods. Your application is expected to have certain features which are listed down below:

There should be 2 types of user logins and signups:

**a. As the Dealer**

- For new dealer signup, there should be a signup form which will ask the following details - **Name, Mobile Number, Nature of Material, Weight of Material, Quantity, City and State.**
- This user can book the drivers from the list of drivers in his dashboard whose interested routes are the same as the dealer's location (State and City).  
**For eg: If the dealer's location is Madhya Pradesh-Indore , all the drivers going from/to Madhya Pradesh-Indore should display in the dealers dashboard**
- Dealers can also search Driver from (State and City) to (State and City).

**b. As the Driver**

- For new drivers to sign up, there should be a sign up form which will ask the following details- **Name, Age, Truck Number, Mobile Number, Truck Capacity, Transporter Name, Driving Experience, 3 Interested routes (From- state and city/To- state and city).**
- After login, this user can only see the dealers who have booked for his services.

## Problem Statement

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1. Login via
  - Username - password
  - Login using OTP through the mail. This means OTP should be sent to mail ID.
2. Dealer Home screen should show the list of drivers going through the same route as the dealer's State and City which means the dealer should be able to see the drivers who have mentioned the same interested routes as the dealer's State and City.
3. Drivers Home screen should show the list of Dealers that have booked them.

**Note :** If we select a particular state then all the cities of that state should be displayed. For Eg: If we select the state as Karnataka then all the cities of Karnataka shall be displayed.

## Deployment :

- 1) Upload the code on any version control like Github, Gitlab, Bitbucket
- 2) Deploy the frontend and backend code on any cloud platform like AWS, Microsoft Azure, Google Cloud, Heroku or any other platform.
- 3) For databases, you can use anything. However, we'll prefer the use of **free tier sandboxes on MongoDB Atlas**.
- 4) Kindly prepare Postman for Backend.