

# Flipr Hackathon 5.0

Mobile Application Development Task

Theme: Stock Market & Companies

## Problem Statement

The problem statement is divided into the three-part:

- Backend Work
- Frontend Work
- Deployment Work

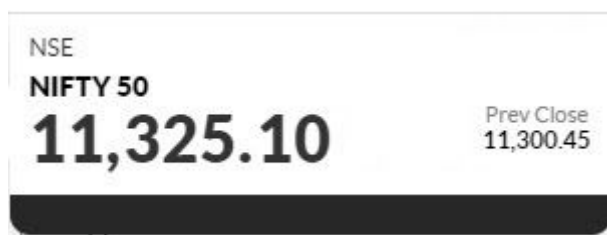
### Backend Work :

- 1) Create an API for the stock market index (NSE & BSE)
- 2) Create an API for the companies where a user can extract the data of the respective companies. (Reliance, Ashok Leyland, Cipla, Tata Steel, Eicher Motors)
- 3) Create an API for user registration and login.
- 4) Create the Database where you have to store the stock market index and company data.

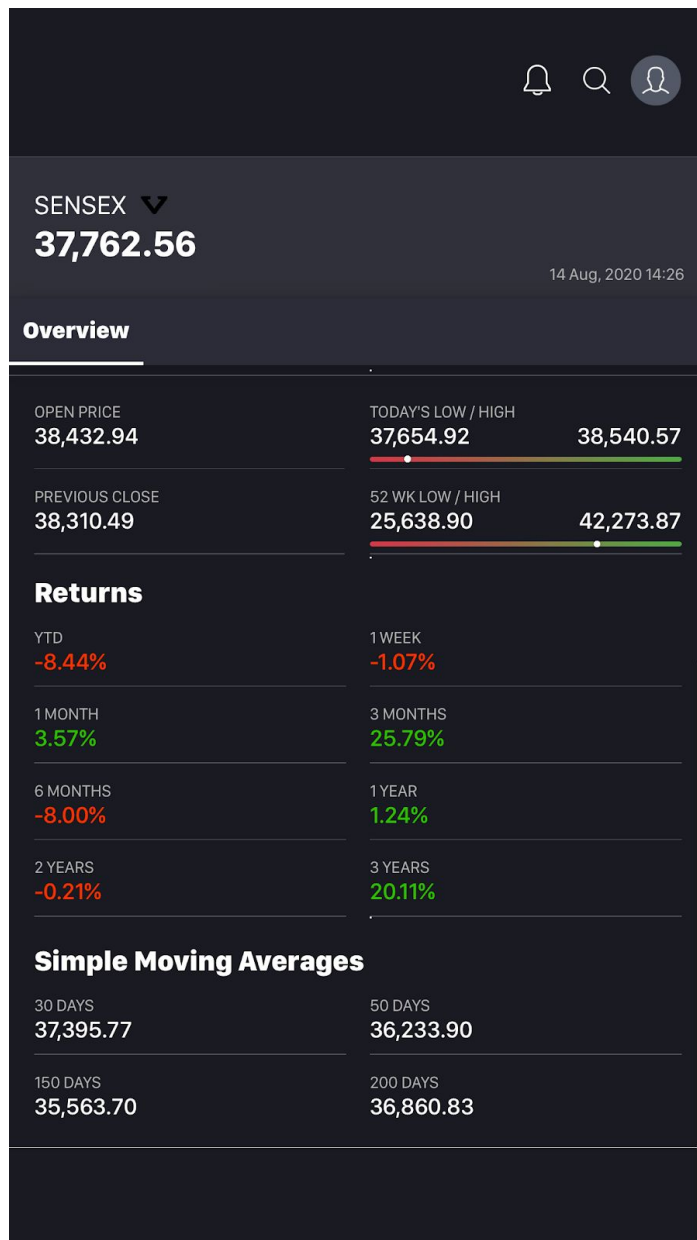
### Frontend Work :

**Please implement the design, for mobile applications. Also, connect the pages with the respective APIs**

- 1) Create a user registration and login page as per your design sense.
- 2) Link the following bar with a notification button on the top. Also, link it with the respective API.



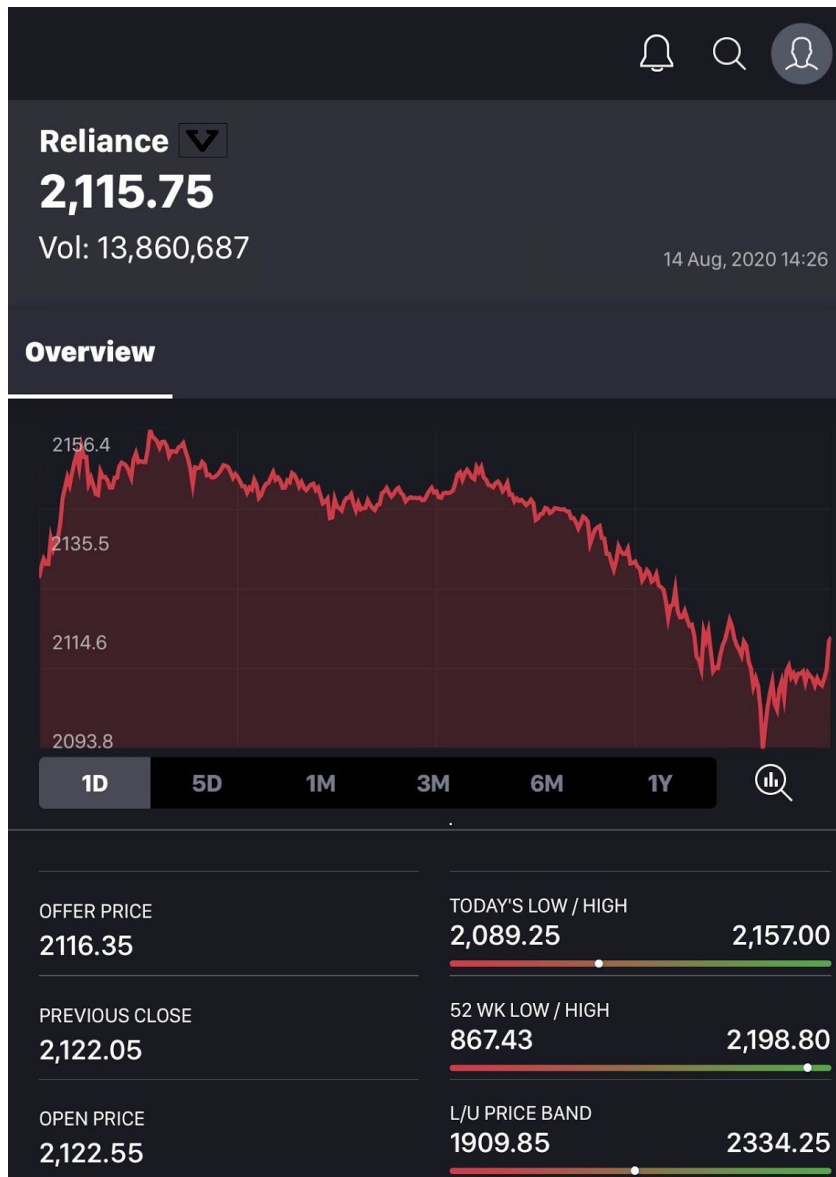
- 3) Here you have to show the Sensex or Nifty Data in the design by selecting the Sensex or Nifty through the dropdown bar as shown in the top-left side of the image. Connect the design with the stock market index API.



- In case you don't know the backend, please at least create the respective design.

4)

- Here you have to show the company data in the graph form as shown in the image. You can select any graph type, it is not compulsory for it to look similar to the design image.
- Users can change the company through the drop button as shown in the image beside the stock name.



We have also attached the design images in the design folder.

- **In case you don't know the backend, please at least create the respective design.**

## Deployment Work :

- 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.

## Instructions :

- Submit the code on or before 05:00 PM, 16th August 2020.
- Upload the code in any version control like Git, Bitbucket, etc
- Please provide GitHub, GitLab, or bitbucket repo URL for your assignment.
- Add the instructions in your readme.md file to build and run the app.
- Share all the files and links in this google form -  
<https://docs.google.com/forms/d/1A79jg9VtXJtuiS803siJvZcA8HkAgAnTpUtCg2ByBzg>
- **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 the company officials about your code.**
- For any queries regarding the project, mail us at [devops@flipr.ai](mailto:devops@flipr.ai)