Installation Instructions

To start the development process please follow the below steps.

1. Download NPM on your local system - Windows OS, Linux/Mac OS
2. Make sure that NPM is properly installed.

After installing the prerequisite dependencies mentioned above, you need to do the following:

- Extract the contents of the downloaded zip file into a new folder. Rename the folder to "**relevel-forecaster**".
- Make sure **GIT** and **NPM** are already installed on the system.
- Open Terminal/Git Bash Terminal. Go to the "**relevel-forecaster**" directory.
- Run the command "**npm install**" to install all the necessary dependencies.
- Run the command "**npm start**" to start the development server.
- The hosted app can be viewed in the browser by going to the URL - http://localhost:8000/
- You can now start the development process by going through the below user stories.

APIs

For this project, you will be using the APIs provided by the OpenWeather platform. OpenWeather is a platform developed by a team of IT experts and data scientists and it provides historical, current, and forecasted weather data via light-speed APIs.

To use the free APIs provided by OpenWeather, you need to sign up to their platform. On signing up to the platform, you will receive an API key which can be used in your application. You can find the steps required to sign-up to the platform and to generate an API key here. The API documentation to use their current weather forecast is available here.

You are free to install and use any other dependencies over and above the ones installed above to ensure the completion of your tasks.

Submission Instructions

Code Submission:
1. Compress the code on the local system in the form of a *.zip file.

2. Upload the code on your personal google drive in a folder titled - "Name_FD_<Round Name>_Code Base"
3. Don't forget to change the permissions of the folder to 'Anyone with the link can edit'.

Loom video submission:
1. Create an account on Loom.
2. Go through the quick tutorial on how to record loom videos.
3. Create a Loom video (while screensharing) covering the following points:
    a. Show the functionality of the app you have created i.e demo of the working APIs through a command line. (1 min)
    b. Run through the key parts of your code explaining the core logic and how you organized the code. (2 min)
    c. Explain your problem-solving approach (what logic you have used and why). (2 min)
4. Please keep your explanation to under 5 mins only.
5. Avoid too much jargon and explain your app in a simple and clear manner.

Relevel
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Expected Output

Create your Feature - Question 1

Header and Temperature

Figure 2.1 - Show header and temperature

Create your Feature - Question 2
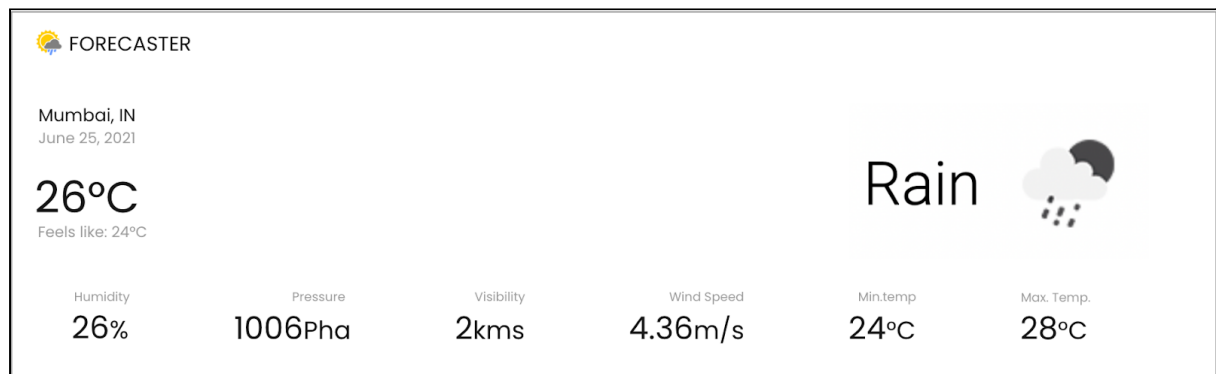
Weather Description

Figure 2.2 - Show weather description and other relevant information

Optimize your Feature - Question 1
Background for the weather

Figure 2.4 - Show background relevant to the weather