

Step 2: Project Proposal

1. What tech stack will you use for your final project? We recommend that you use React and Node for this project, however if you are extremely interested in becoming a Python developer you are welcome to use Python/Flask for this project.

Front End: React

Back End: Node JS

2. Is the front-end UI or the back-end going to be the focus of your project? Or are you going to make an evenly focused full-stack application?

Going to develop as a full stack application.

3. Will this be a website? A mobile app? Something else?

Website.

4. What goal will your project be designed to achieve?

Goal of the Project :

- Work as a Google Maps
- Also going to include the weather of the current location.
- Also look for the weather of a particular location.
- Can look for nearby Restaurants from our current location.
- Can look for Routes from source to destination provided.
- Can look for traffic on a particular Route.

5. What kind of users will visit your app? In other words, what is the demographic of your users?

Designing this website for all kinds of user's usage.

6. What data do you plan on using? How are you planning on collecting your data? You may have not picked your actual API yet, which is fine, just outline what kind of data you would like it to contain. You are welcome to create your own API and populate it with data. If you are using a Python/Flask stack are required to create your own API.

Going to work with **Multiple APIs.**

1. **Bing Maps API** (<https://learn.microsoft.com/en-us/bingmaps/rest-services/>)

Using to display the MAP and search for ROUTES, TRAFFIC DETAILS, LOCATIONS.

2. **Yelp API** (<https://docs.developer.yelp.com/docs/fusion-intro>)

Using to display the restaurants nearby the current location.

3. **Air Visual API**

(<https://api-docs.iqair.com/?version=latest#275daeb0-d34d-408a-bc03-f74d097a4eae>)

Using it to display the weather of the current location and can also search for weather of a particular location.

7. In brief, outline your approach to creating your project (knowing that you may not know everything in advance and that these details might change later). Answer questions like the ones below, but feel free to add more information:

a. What does your database schema look like?

Database contains

- User information.
- Latest 5 search results of the locations on the map.
- Latest 5 search results of weather locations.

b. What kinds of issues might you run into with your API? This is especially important if you are creating your own API, web scraping produces notoriously messy data.

Might run into issues like **server down** or **network issues**.

c. Is there any sensitive information you need to secure?

The **USER INFORMATION** like password.

d. What functionality will your app include?

Basically helping users find locations, routes, restaurants, and weather report by utilising maps.

e. What will the user flow look like?

f. What features make your site more than a CRUD app? What are your stretch goals?