Week 1 Report: Build the demo frontend using HTML5 Canvas
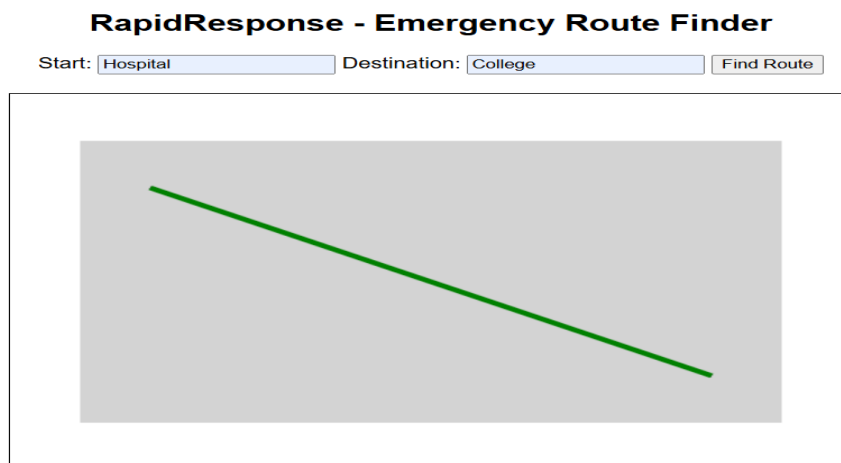
My task is to create frontend for the RapidResponse Project. I Created simple

UI for selecting start location and destination location then find the Route for

that Location. Display the graph and the computed route on a 2D map.

Progress Made:

I made a simple HTML interface with a Canvas for rendering the map and controls for user input. Currently, I have not taken real locations(nodes) but real locations may be like Hospital, Police station, Post Office, School, College, Fire Station,etc.

Visualizing:

Challenges Faced:

Estimating distances without an API is tough. I'm using rough guesses and will refine them by cross-checking with physical map. Learning new thing somehow is the challenges that I faced and I guessed the x and y axis points because I am not using any API and Library.

Plan for Week 2

- Pathfinding using Dijkstra's Algorithm.
- Find the shortest path from Source to Destination.
- Design interactive UI.
- Share the detail with the team.