

# User Manual

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First installation:

1. git clone the repo
2. cd Elena/elena-frontend
3. run 'npm install'
4. run 'npm start' to start up frontend
5. Download Anaconda prompt <https://www.anaconda.com/products/individual>
6. Open Anaconda prompt and **cd** Elena/server and **create** a cache folder in this directory

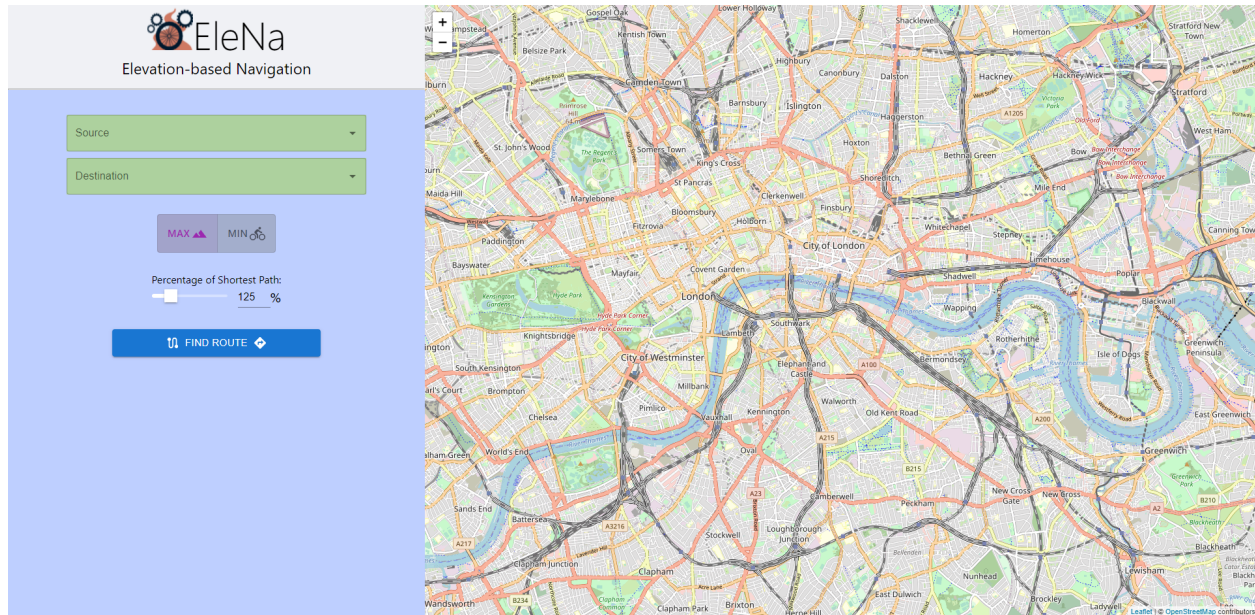
Run the following in EleNa/server:

7. run 'conda config --prepend channels conda-forge'
8. run 'conda create -n ox --strict-channel-priority osmnx'
9. run 'conda activate ox'
10. run 'pip install flask'
11. run 'pip install -U flask-cors'
12. Create a cache folder inside the server directory
13. run 'python index.py' to startup backend server locally

From here you only need “npm start” in elena-frontend, “conda activate ox” and “python index.py” in EleNa/server in the Anaconda prompt.

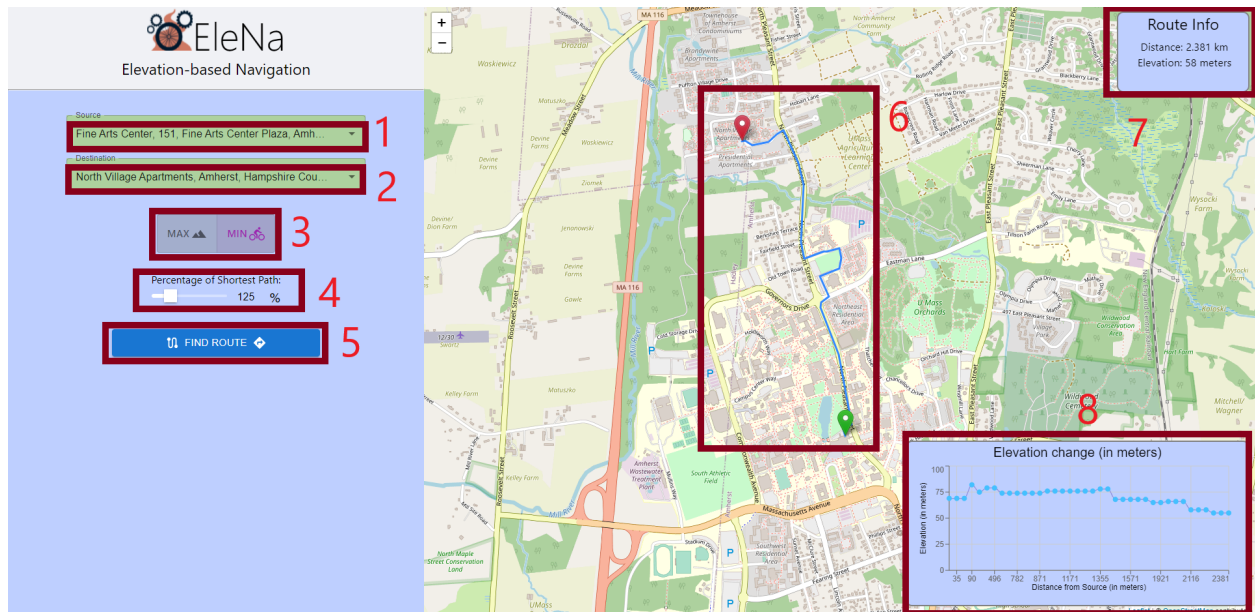
# Using the App

## The Interface



When you run 'npm start' in Elena/elena-frontend, this is what you will see.

## Interface specs



1. Click on the box that says "Source" and then type the origin/source address and then press enter. There will be a dropdown menu for the user to choose the exact address. You can input something like "fine arts center" then press enter to get the following options:



2. Click on the box that says "Destination" and type your desired destination. Works the same as the Source input box above.
3. These are two toggle buttons that let's the user choose between getting a path with higher elevation or lower elevation.
4. This slider lets the user determine how much longer the route will be based on the shortest path generated between the two points.
5. This is the final button to press after selecting all the options above. A path based on the selected preferences will be generated.
6. This is how the path will be shown after using the Find Route button.
7. This displays the elevation difference and distance between the two points
8. Elevation count graph, you can hover over each point to distance from source and elevation

