



UC Students Map Project

Team Python:

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Glancing through our project:

High-level view:

Our software application will allow the user to input a starting position and ending position on campus and give the shortest route to the destination.

Problem to address:

Wasting time being lost in the spacious campus of University of Cincinnati

For whom:

Students, Professors, UC workers, etc.
basically anyone, abled or handicapped, around the UC campus who want to find the shortest route.

Available alternatives / competitors:

Google Maps
Apple Maps
Bing Maps
Other GPS applications

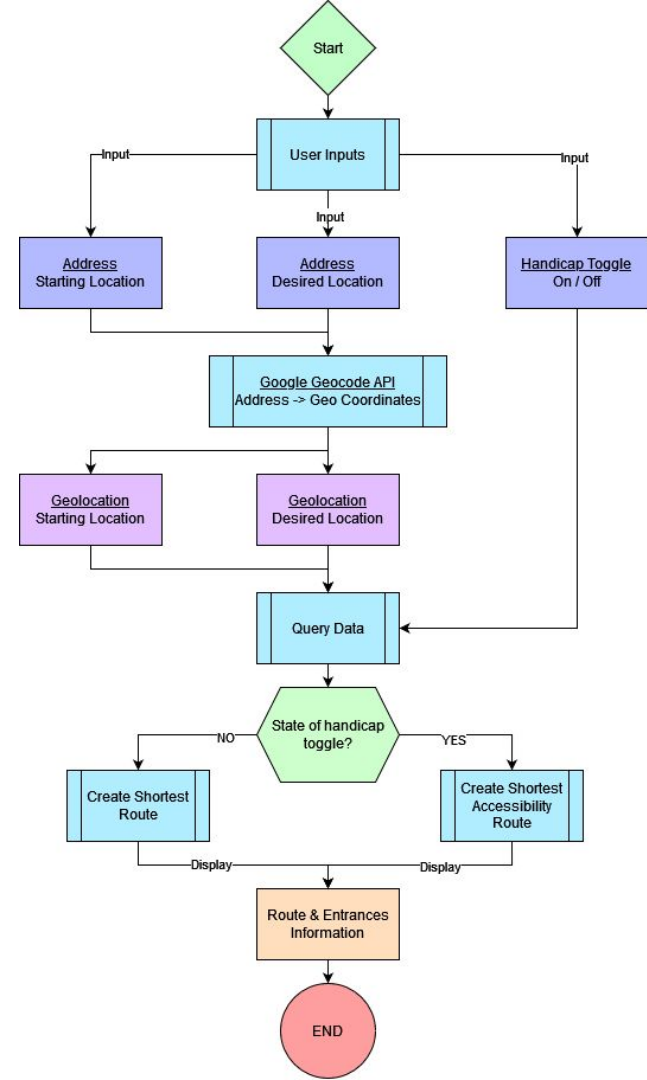
Why the project is compelling and worth developing?

- A more detailed description on what campus paths to take to any building on campus.
- Most GPS application are not adequately specified when it comes to UC's campus routes, regarding floor levels, altitude, slope, traffic, etc.
- Potentially display the various entree ways for each building and information about those entree points => more options and ways to navigate the campus

Software Architecture

Software Tools:

- Programming Language: Python, HTML
- Web Framework: Django
- Main Python Library: googlemaps



Possible addition to the software

- Real-time events record and pop-up notifications
- Continuing updates on obstructions, constructions, and possible elements affecting the paths
- Weather features
- Indoor building layouts
- Shortest path traversal inside building to a specific room
- ... *tbd* ...