METCS673 Group 6 - Project Status Report 6

TerrierMap

Team Members:

- Ryan Christopher
- Misael Gared
- Jasmine Hughes
- Siddhraj Parmar

TerrierMap GitHub Repo:

https://github.com/ryan-christopher/CS673-TerrierMap

Live Link:

https://terriermap.vercel.app/

Meeting Decisions:

- Now that we have a route displaying between two moveable points, the next milestone is getting the two routing points to always start as the user's location and the search results
- New dev branch will be made for this week's work
- Milestone needs to be met by this weekend to allow for testing deployment and cleaning up the code

Completed Tasks:

- Route is displayed between two points and can be updated over time
- Implemented routing with OSRMV1 public API showing pedestrian route on map component
- Milestone was reached with routing being rendered, development branch merged to main branch and project URL updated
- Mobile and desktop UI updated, can now easily search, see path, and instructions on both screen sizes

Assigned Tasks:

- Clean up code and add comments throughout project files | Ryan

- Update route to always go from the user's location to the address received from the firestore database | Misael and Siddhraj
- Test the routing directions | Jasmine

Individual Contributions:

Ryan Christopher: Once I received the routing updates from Misael and Siddhraj, I edited the map component with the routing machine to use the OpenStreetMap public URL as it allows us to display a pedestrian route without needing a paid plan. I then updated the layout to be responsive to mobile and desktop screen sizes using Tailwind's conditional css classes set at default (mobile) and large (desktop) breakpoints. Because our step-by-step instructions are conditionally rendered, I added the CSS rules for positioning the route table to our global CSS file. The CSS I added moved the step-by-step instructions to the bottom left of the screen and reduced their width to take up less of the screen. Once the routing machine was displaying the correct route and the position of the UI was updated, I tested the deployment for any failures before merging and merged the development branch to the main branch. This merge deployed our project with all of our edits to the main branch URL at https://terriermap.vercel.app/.

Misael Gared: I worked on perfecting the routing render for walking and driving pathways on the map. This involved ensuring that the routes displayed correctly for both modes and improving the step-by-step arrowed directions list to make it easier for users to follow their path. I double checked the functionality to ensure smooth rendering and dynamic responsiveness in real-world usage scenarios.

Jasmine Hughes: I have started writing some unit tests of the ClassroomSearch functionalities using both Python's unittest and Mocha. It's been a focus on making sure the data from the database is being processed correctly. I plan to add some tests to cover the routing of the pedestrian and driving directions (potentially using Jest) this evening.

Siddhraj Parmar: I have implemented the autocomplete functionality for the building code input, allowing users to see real-time suggestions as they type. The feature dynamically filters a predefined list of building codes based on user input, ensuring an improved user experience. I am still working on adding accessibility improvements, such as keyboard navigation and screen reader support, and plan to use ARIA attributes to enhance usability for visually impaired users.