Alex Welch, Jack Fulton, Rufaro Tafamombe

CSCI – 390

User and Developer Documentation

This document will essentially serve as an overview of the project as of summer 2025. It includes main features, a tutorial on what you'll need to run the program, and a short walkthrough.
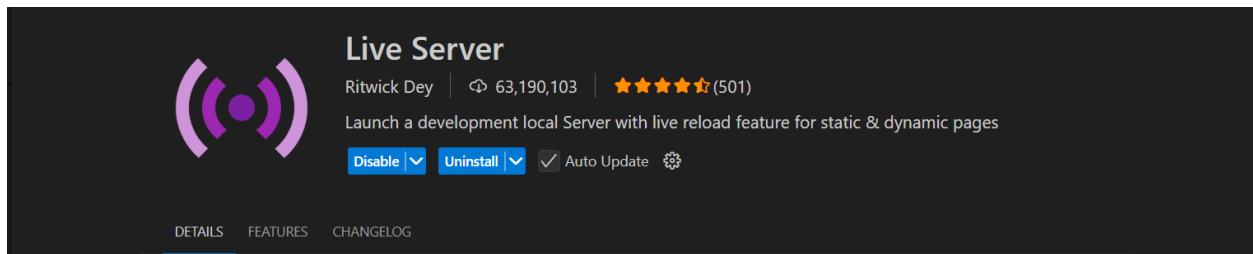
MAIN FEATURES

1. Interactive Map – The map in the middle of the screen shows the routes as well as your location as an orange dot. When you press the 'Select Route' button below after choosing your route above the button, the map will update and show the route. You are free to zoom in, zoom out, and move the map despite your position.

2. Moving Between Stops – Once a route has been loaded onto the map, the buttons 'Previous Stop' and 'Next Stop' will appear. These buttons allow you to move to markers along the already chosen route. If you wish to see other routes, you will need to choose the route, press the 'Select Route' button again, and then the 'Stop' buttons will adjust to that route.

3. Building Description and Information – Once your route has been loaded, you'll notice on the right, the 'Live Navigation' box will have updated. It will have text holding a short description of the building complete with information. Some stops will even have audio, which you are free to either skip or pause and listen to.

4. Buildings List – Right below the 'Live Navigation' box, you'll notice an 'All Buildings' dropdown. By interacting with the dropdown, you'll be able to choose a building of your
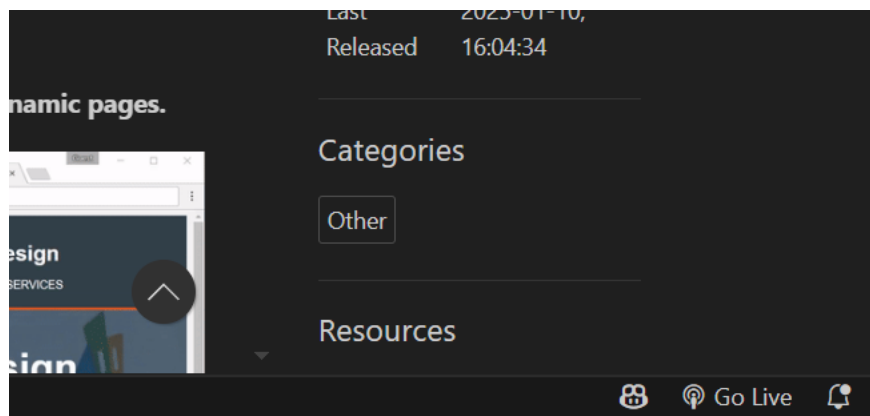
choice and, when pressing 'Go to Building', you'll zip straight to your chosen building, complete with the information being updated and the map zooming in to the marker.

DEVELOPER ONLY (SKIP AHEAD IF USER)

This section of the documentation will only cover a short description of what you'll need to run the code locally. We recommend doing this operation in VS Code. Once you've pulled the latest version of the project onto your machine, please install the extension 'Live Server' by Ritwick Dey. This will give you the necessary function to load the webpage locally.

Once you have finished, you'll find a small button called 'Go Live' in the bottom right corner of the screen.

Pressing this will automatically load the webpage onto your default browser/browser of your choice. This will be useful in seeing the changes you've made to the code in future development.

However, if you simply wish to view the website as a user, feel free to pay more attention to this next part.

USER VIEW TUTORIAL

If you don't plan on developing and just wish to view the webpage, good news! It's been uploaded onto a server hosted by Xavier themselves, and the webpage is free to view at any time. The link is provided below:
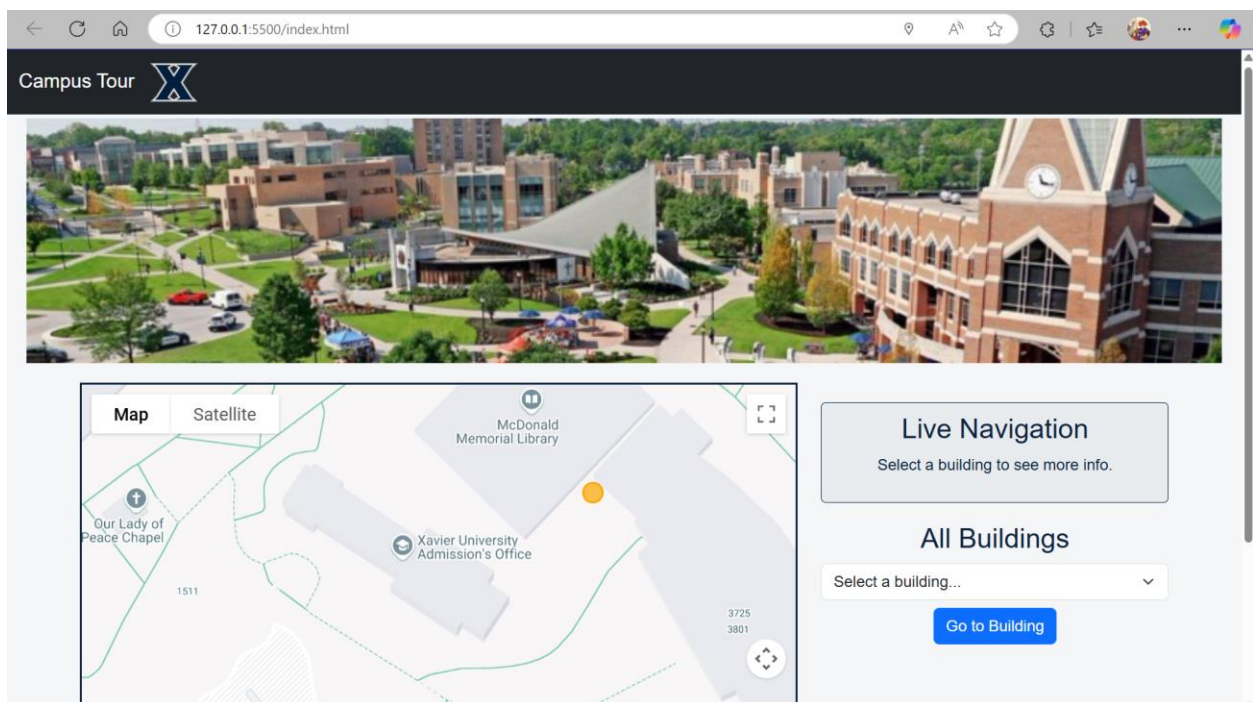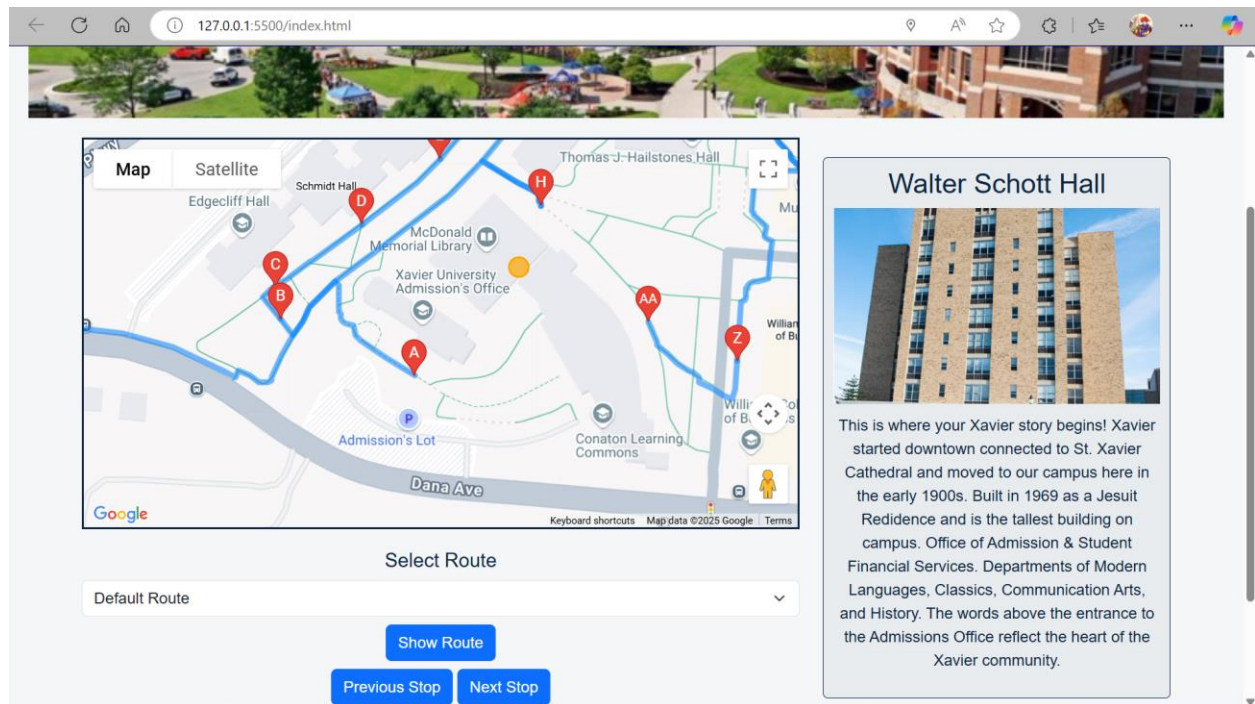
http://205.133.178.150:8282/admission/index.html

Clicking the link above will take you straight to the webpage where we'll now begin our tutorial.
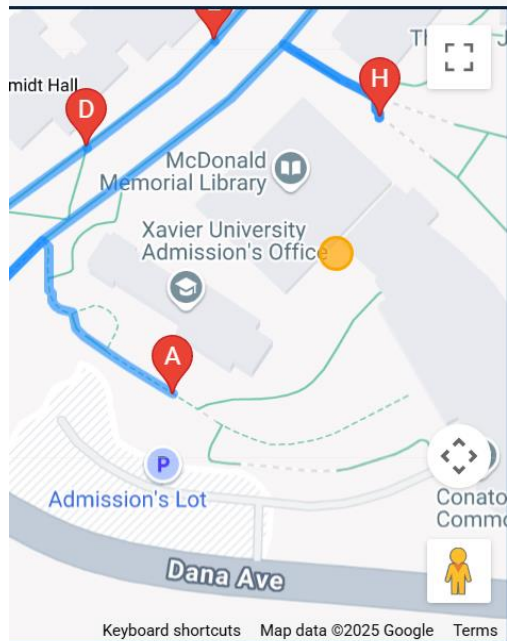
WALKTHROUGH

Once you've clicked on the link and the webpage has opened, your screen should look along the lines of this:

If so, you've obtained the most recent version of the project and are good to keep exploring. Scrolling down will reveal a dropdown marked 'Default Route' and a button called Show Route'. The default route is already selected for you, so pressing the button should reveal the route on the map like so:

The map has now loaded, and you are ready to go through the stops. Clicking through the route using the 'Next' and 'Previous' buttons will change the information available on the right side of the screen. Depending on the stop, some buildings will have more information and activity than others like this:

Our Lady of Peace Chapel

Dedicated by the Williams family, moved from their Family Estate in Anderson Township as a gift to the university in 2017. Open daily 9:00am - 5:00pm. Silent Prayer; No services. Seats 22 people.
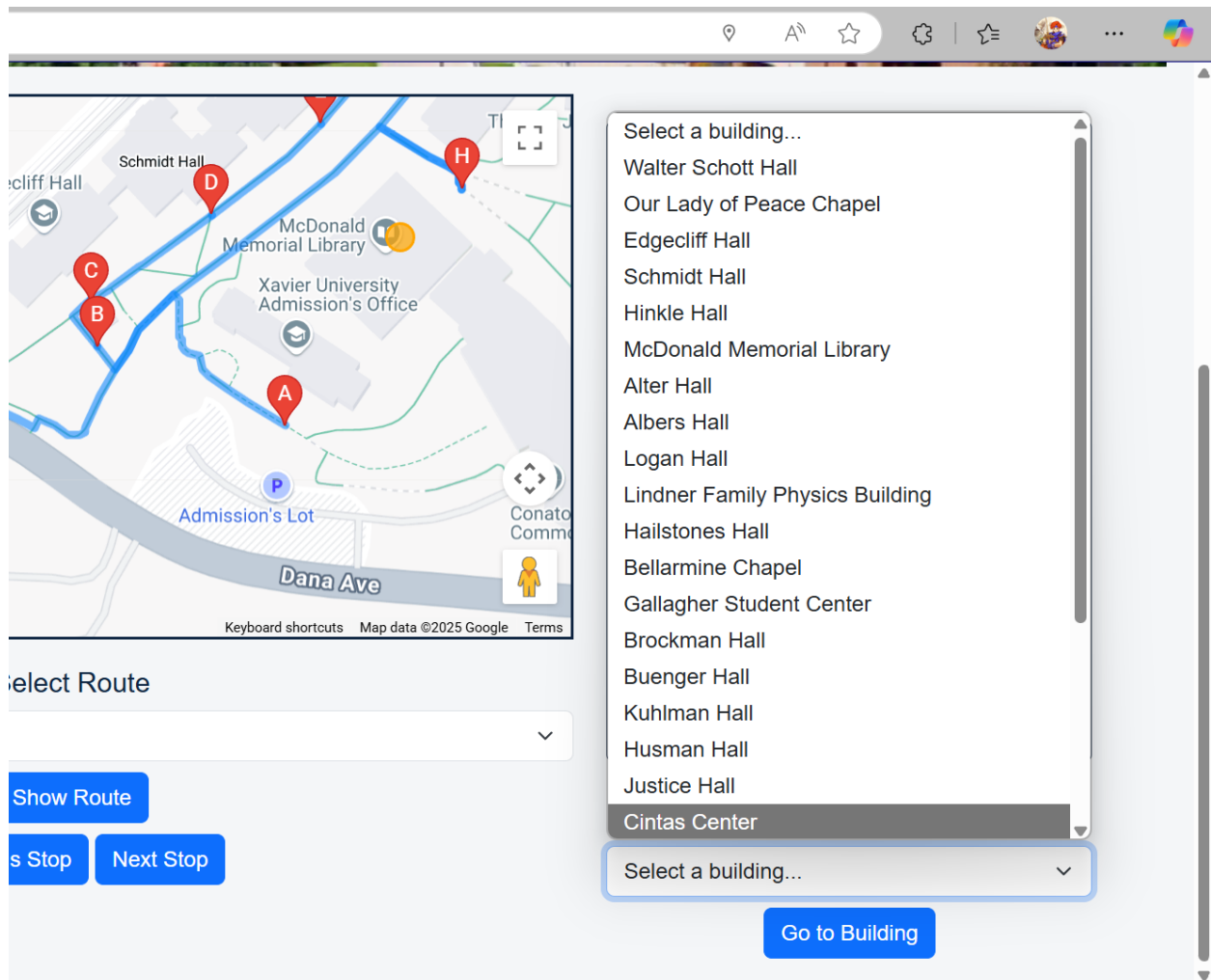
▶ 0:00 / 0:35 ━━━━●━━━━━ 🔊 ⋮

All Buildings

Select a building... ⌄

Go to Building

Also on the right side, below the buildings information box is a dropdown labelled 'Select a Building...'. Clicking this will open a list of buildings for you to access at your own leisure:

Pressing the 'Go to Building' button after selecting your stop of choice will update the buildings information box of your respective building. The map will also be updated so you can see where the stop is located in lieu of your route.

API FORMAT USED

Our project utilizes the Google Maps API format for the main features of the map.

Documentation and other information including licensing can be found at this link:

https://developers.google.com/maps/documentation

UPDATING THE SERVER VERSION

If you've made changes and wish for the online server version of the project to reflect these changes, please get in contact with Nathan Sommer of Xaver University.