

Capstone Tours Sprint 2

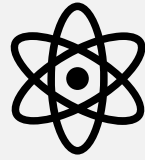
Walter Mink, Jacob Childers, & Ethan Gaddis

What is Capstone Tours?

Capstone tours is a map application designed to help users explore and learn about the campus. Using geolocation proximity, it encourages users to search the campus and find information about each landmark.



Primary Sprint 2 Goals



Build frontend user interface
using React



Move Backend to be hosted
on Google Cloud



Make application frontend web-
accessible

Major Achievements in Sprint 2

**Better User
Interface**

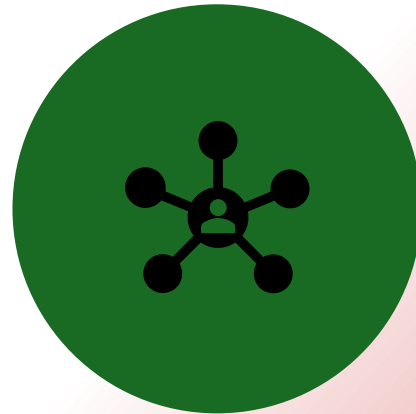
**UI Built w/
React**

**Backend &
Frontend are
Web-Hosted**

Backlog



AUDIO & VIDEO MEDIA



CURATED TOURS



USER-SUGGESTED
LOCATIONS

Deferred Tasks

Audio Features



Guided Tours

What did we learn?

- Learned how React works to implement a more cohesive, visually appealing, and fully-featured user interface
- How to use Google Cloud for remote frontend and backend hosting

Technologies and Justification

- React was used for creating an improved and more polished user interface
- Django DB was recommended by our sponsor, and because it provides an easy system for creating, storing, managing, & recalling structured data
- Leaflet was also recommended by project sponsor, but also has provided invaluable map display and geodata usage
- Google Cloud Run was used due to its compatibility with docker
- Google Cloud Firebase was used to host the frontend because it is ideal to compile down static files

Team Contributions

Walter Mink:

- New React Frontend UI

Ethan Gaddis:

- React Map Display

Jacob Childers:

- Host Frontend & Backend w/ Google Cloud