Campus Map

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Problem

- There is not an efficient map for students to use to be able to find their way around campus easily

- The current solutions that are available are using Google Maps or the current campus map

- The impact of not having the solution is students can be late to their classes if the location of the classroom is difficult to find
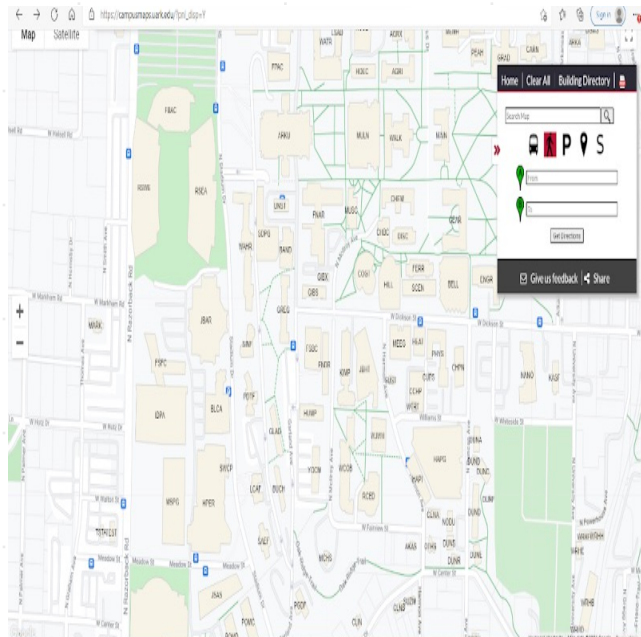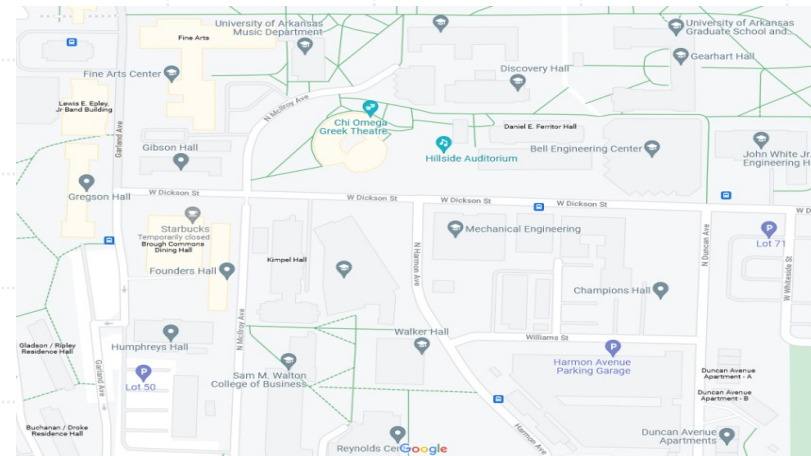
Abstract

- Create an application that is accessible across multiple platforms

- Create something easy-to-use using cross-platform application

- Campus map

- Our app will help students find class easier

- Impact across student body, especially incoming freshman and transfer students/ international students
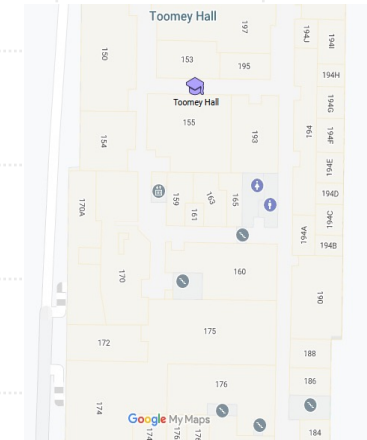
Related Work

University of Arkansas Map

Google Maps

Missouri Science & Technology

Project Goals

- Create an interactive campus map for the University of Arkansas

- Offer a map view of campus to find registered buildings

- Offer location features for navigation around campus

- Offer a search for finding registered buildings

- Offer Maps of each building's interior to allow users to find classrooms

- Create an easy-to-use application

Technologies

- Flutter API

- Google Maps API

- Tested in Chrome

- Tested in Android Mobile OS

Implementation

- Map of Markers with locations

- Markers open a screen and access related Buildings

- Buildings handle floor plans

- Marker popups display the floor number and floor plans

Demo

Demo Cont.

Met Goals

- Create an interactive campus map for the University of Arkansas ☑
- Offer a map view of campus to find registered buildings ☑
- Offer location features for navigation around campus ✖
- Offer a search for finding registered buildings ✖
- Offer Maps of each building's interior to allow users to find classrooms ☑
- Create an easy-to-use application ☑

Future Work

- Have all the buildings and floors available for the user to see

- Offer a search for finding registered buildings

- Offer location features for navigation around campus

- Save "routes" of destinations to pull up on demand