



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

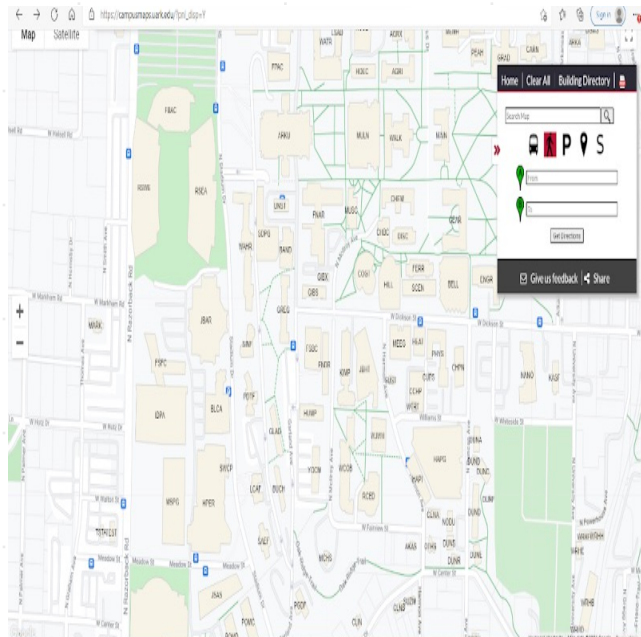


Abstract

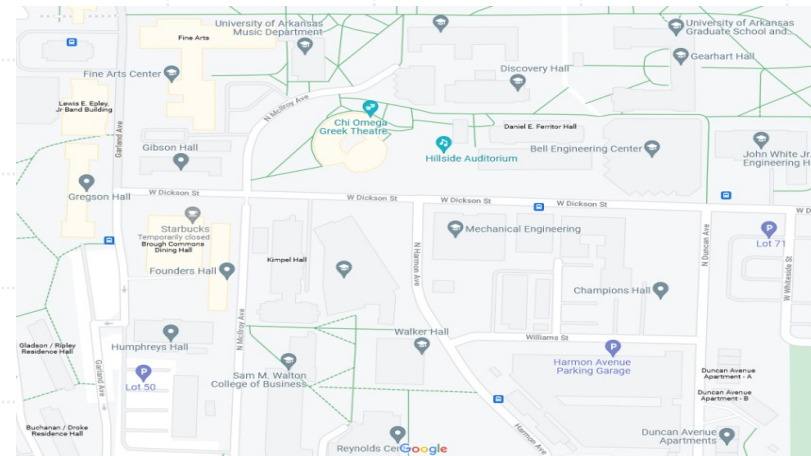
- Create an application that is accessible across multiple platforms
- Create something easy-to-use using cross-platform application
- Campus map
- Our app will help students find class easier
- Impact across student body, especially incoming freshman and transfer students/
international students

Related Work

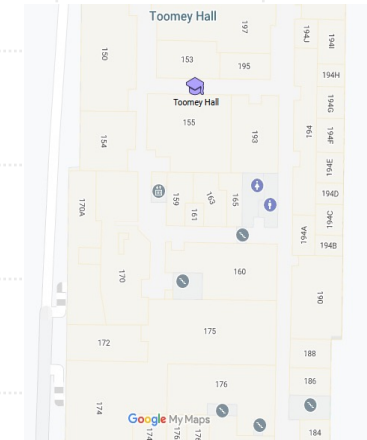
University of Arkansas Map



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

Hello World! Welcome to the Campus Map!



Demo Cont.

The image shows a web browser window displaying a campus map application. The browser's address bar shows the URL `localhost:6387/#/`. The map interface has a red header bar with the text "Campus Map" and a "DEBUG" button in the top right corner. The map itself shows a detailed view of a university campus with various buildings, streets, and landmarks. A red pin is placed on the map, and a callout box is displayed above it with the text "Mechanical Engineering MEEG". Other visible landmarks include Razorback Stadium, Bud Walton Residence Hall, University of Arkansas Music Department, Discovery Hall, Gearhart Hall, John White Jr. Engineering Hall, Physics Department, Champions Hall, Williams St, Harmon Avenue Parking Garage, Reynolds Center, Sam M. Walton College of Business, and Evergreen Cemetery. The map also shows various dining options like Starbucks, Wake & Bake, and Doodsey Coffee & Roasterie. The Google logo is visible in the bottom left corner of the map area.



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