

Team 8

Members: Alex Reeves, Achyut Paudel, Anthony Gao, Darrin Ternes, Liam Einspahr

“HawkQuest”

Project Synopsis:

User-friendly digital mapping, website, and app of KU’s campus that computes and finds the most efficient path from point A to point B, on campus.

Project Description:

Our project is being undertaken because of the lack of clarity when navigating KU’s Lawrence campus, especially first year students who are new to KU’s terrain and need more guidance. There is a great opportunity to streamline an interface that allows students to navigate their way through campus with the utmost ease and efficiency, that is uniquely fit and shaped around the buildings in the Lawrence university grounds. The results of this project will be an interface especially made for the Lawrence campus, which is free from the extra hassle and unneeded features the more general apps such as Google Maps or Waze have to offer; which aren’t needed when you want to simply navigate within the confines of campus. The app will not necessarily need the user to have their location services on, which drains battery and slows performance. It will allow students to also input the building they are at, and where they would like to go.

Project Milestones (Placed in chronological order):

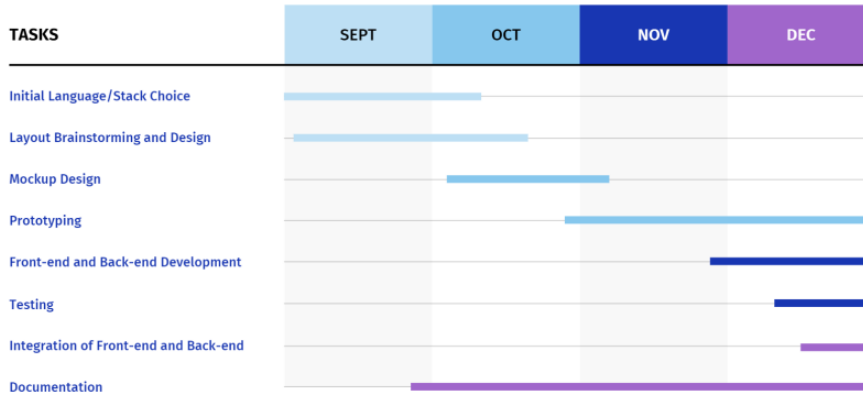
- Initial Language/Stack Choice Discussion
- Layout Brainstorming and Design
- Mockup Design
- Prototyping
- Front-end and Back-end Development
- Testing
- Functioning Connection of Front-end and Back-end
- Testing with mock data
- Actual Campus Data Entry
- Functioning Pathfinding
- Functioning GPS
- Completed Node Map of Campus
- Deployment to web and/or mobile market (iOS, Android)

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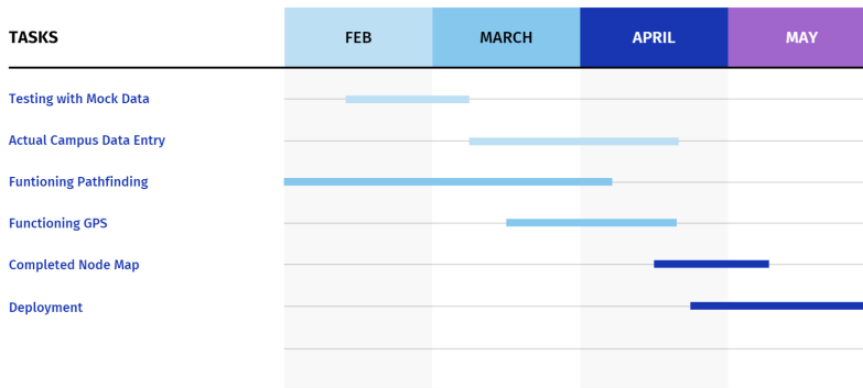
 **EECS 581:
Group 8**

FALL SEMESTER



 **EECS 581:
Group 8**

SPRING SEMESTER



Project Budget:

-iOS development license: **\$99**

-Android development license: **\$25**

-Server space / access or Cloud space / access: **\$50-\$300/month for traditional server;**

or

\$5 - \$20/month for cloud server