

SiteSync

SiteSync Site Management

Group Number : 13

Team members:

- Anthony Mancina (N01643670)
- Chris Garcia(N01371506)
- Ngoc Le (N01643011)
- Tyler Meira (N01432291)

Team GitHub Ids

- Anthony Mancina : 195244864
- Chris Garcia : 196109735
- Ngoc Le : 157065810
- Tyler Meira : 95157172

Topic

Our project idea is a time management system mainly targeted towards construction sites, warehouses or residential jobsites, with portability in mind. Our app will also help connect employers and employees, while helping them maintain an open line of communication throughout the job process.

Why it solves a real world problem:

It holds people accountable for being at work on time, improves job site security, keeps a backlog of in / out clocked in employees, and also improves the line of communication between jobsite employee and employer.

How its related to hardware course

This is related to the hardware course because we plan to integrate our app, along side the physical hardware course, to make sure employees are present at the site when clocking in because they need to clock in through our hardware, and in turn the app will show clock in and out times of employees, show the current job the employee is working and a way to communicate with the employer if needed.

Sensors by each team member:

Ngoc Le: ATTiny84 Buzzer

Chris garcia: camera

Tyler Meira: Zio Oled Display

Anthony Mancia : 4690 (Fingerprint Sensor)

How the team will collaborate on different tasks

We plan to communicate through discord, and in person on campus, we will be using github to seamlessly collaborate online, and to help us with version control of our software.

Why you are adapting an Android Application?

Given that android covers a wider area of the market in relation to homeowners we have decided to use android.

When comparing both android and iOS development, android comes to be a more affordable option.

We feel more comfortable using Android as our OS since we have some experience developing apps last semester.

Have you thought about creating Google Play Account, how?

Yes we have thought about creating a Google Play Account, we have decided to make a new account together as a team, then split the development fee 4 ways, that way we can all use the fresh account to publish our app when the time comes.

From scale 1 – 10, each team member Android development skills, 0 (none), 10 (advanced, i.e. scored above 90 in the Android course).

Tyler Meira: 8

Ngoc Le: 7

Anthony 6.5

Chris Garcia 6.9

How as a team worked on the items, how did you collaborate?

We collectively collaborated both online and in person to brainstorm ideas for the requirements above.