

sdmay18-28: Office Door Kiosk for University Faculty

Week 7 Report

October 19 - October 26

Team Members

Evan Foley — *UI/UX*

Eric Rysavy — *Documentation Lead*

Jacqueline Johnson — *Project Manager*

Peter Laurion — *QA lead*

Weston Morgan — *Product Manager*

Christopher Duncan — *Architecture Lead*

Summary of Progress this Report

This Report Period members of our team worked on their separate hello world projects. These were used as a proof of concepts for the different types of features we want our end product to have. Our members worked on push notifications, socket, video chat, database communication, and automated testing using jest.

This past week our team also debated possible options for the tablet home page layout, including drawing up simple designs for the notes sent by professors to their kiosk remotely. We discussed what we should talk about for the lightening talk next week; deciding upon the issues we've had with push notifications and video chat.

Pending Issues

Need to develop slides for the lightening talk next Tuesday, as well as a more concrete idea of what we wish to discuss. We need to finish updating our Project Plan.

Plans for Upcoming Reporting Period

In this coming week our team will create slides for our lightening talk. We will also be finishing up our updates to our Project Plan for its second version. Our members will continue to look at this designated area to work on in regards to the prototypes. They will also continue to familiarize themselves with the technologies we plan on using for the implementation of the final project.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Evan Foley	This past week Evan did some research into some different react native aspects. He looked into some different input components like Picker, he looked at using the AppState for different features, and integrating time and scheduling. Most importantly, he also did research into push notifications for both android and ios devices, and built a prototype that used the features mentioned above to implement a push notification demo.	8	46

Eric Rysavy	Eric worked on getting reacquainted with NodeJS and React Native, as well as getting up to speed on the Android Studio environment. Specifically, he looked into prototyping for synchronized displays between different views of a system. This didn't go as smoothly as planned.	5	42
Jacqueline Johnson	Jacqueline upload the weekly Report to the team website. Worked on getting a demo working between two mobile devices. Used an API called RCTWeb to create a Video Chat room demo. Ran this demo on two different emulators and they connected to each other. This didn't display actual video since they were on emulators, need to test on physical devices.	7	45
Peter Laurion	Peter worked on understanding and setting up the automated testing framework Jest. Used Jest to create and run sample tests.	6	44
Weston Morgan	Weston spent time setting up a node.js server on heroku that everyone could use for minor testing things. He also researched ways that we would be able to store media files for use in our "slideshow" feature.	7	46
Christopher Duncan	Chris worked on familiarizing himself with React Native, Android Studio, and Socket.io (a real-time bidirectional event-based communication engine for NodeJS) throughout the week. Work was done on a basic chat system as a proof of concept for socket interactions between the professor's computer and the tablet. It went okay.	5	42