sdmay18-14: Mobile and Web Timecard
Biweekly Report 3
February 10 – February 23

Team Members

Christian Wesseler — *Lead Designer/Documentation Keeper*
Nicholas Flege — *Lead iOS Programmmer*
Andrew Hoelscher — *Lead Tester*
Connor McCann — *Lead Android Programmer*
Cole Stephan — *Lead Server Programmer*
Jason Thomas — *Administrative Lead*
Thomas Reins — *Lead Web Programmer*

Summary of Progress this Report

Verified User table was setup correctly and ready to be used for implementing the authentication api on the server. Made changes to database design to add auto-incrementing identifiers for each table in the database instead of manually setting the identifiers. Created sign in view in the iOS app and implmeneted the authentication api from the iOS app to retrieve an JWT token used to authenticate future api requests. Created iOS infrastructure for handling various http requests throughout the app. Begin local SQLite database design for the iOS app for storing data locally. Watched many videos on .NET core web app development so we could begin actually moving forward with the web application side. Built out a login page for the webpage, we will begin moving very quickly with the web app now that we have a good idea of what we need to do

Pending Issues

No pending issues.

Plans for Upcoming Reporting Period

Continue developing SQLite database with CoreData on iOS and create architecture used to sync local iOS data with api data. Create 'user registration' view for iOS app so new users can be created. Create iOS views for listing projects for the signed in user and listing tasks for the signed in user. Will provide any help necessary to the backend to build our more api endpoints if necessary. Fully implement login endpoint to get users from the database and to have tokens be required for all API endpoints. After this, begin to create endpoints for timecard entry.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours

Christian Wesseler	Continued trying out Kotlin. Attended meetings with team. Caught up on other members' work and goals. Haven't been fully present this cycle due to family health problems and midterms.	4, 5	9
Nicholas Flege	Verified User table was setup correctly and ready to be used for implementing the authentication api on the server. Made changes to database design to add auto-incrementing identifiers for each table in the database instead of manually setting the identifiers. Created sign in view in the iOS app and implmeneted the authentication api from the iOS app to retrieve an JWT token used to authenticate future api requests. Created iOS infrastructure for handling various http requests throughout the app. Begin local SQLite database design for the iOS app for storing data locally.	10,10	20
Andrew Hoelscher	Watched tutorials and worked with everything uploaded to github to understand how it works and how to add more features. Also attended team meetings and the conference call with Genova	5, 4	9
Connor McCann	Was only able to go to one of the scheduled team work periods as well as the genova conference call. Most of my time was spent trying to fix xml files in the Android Manifest trying to understand what was going on in that department. Definitely got more of a grasp on Android Studio as a whole, although I did not make a lot of progress in regards to the actual project.	4, 5	9
Cole Stephan	Read tutorials about implementing Java Web Tokens for a web server. Implemented JWTs for login and authentication of API calls. Also researched implementing HTTPS on server.	7,8	15
Jason Thomas	Watched many videos on .NET core web app development so Tommmy and I could begin actually moving forward with the web application side. Built out a login page for the webpage, we will begin moving very quickly with the web app now that we have a good idea of what we need to do	6,6	12

Thomas Reins	Watched a myriad of tutorials on .net core app development. worked on the website and began to adjust the database to fit new needs associated with login. Also worked with Cole to fix some compilation errors arising from jwt keys used in authentication.	7,6	13