EE / CprE / SE 491 – sdmay19-02

CONVERT NATIVE MOBILE APP TO REACT NATIVE

Week 09 Report

October 30th - November 11th

Client: Buildertrend (Rich Kalasky & Jake Johnson)

Faculty Advisor: Mai Zheng

Team Members:

Victor Amupitan — Chief Engineer of Design

Lucas Kern — Executive Meeting Facilitator

Michielu Menning — Lead Report Manager

Kyle Nordstrom — Co-Team Lead/Meeting Scribe

Francis San Filippo — Scrum Master

Walter Seymour — Co-Team Lead/ Team Communications Leader

Weekly Summary

During this week we have been able to improve our app navigation. We will integrate React Navigator in order to obtain a fluent user flow. In addition we have made progress with intercepting API calls. We spoke with Buildertrend about the authentication and we are now able to successfully authenticate users. We will continue to pick up tickets and try to build a strong layout for the application.

Past Week Accomplishments

- Hook up React Navigator
    - Will replace the navigation - Lucas
    - Created helper components for the menu - Victor
- Intercept and authenticate a user
    - Create a login request to the Buildertrend servers - Frank
    - Spoke with Daric about API's - All
- Updated the experience button - Michielu
- Create sidebar experience buttons - Lucas
    - Buttons for the side navigation bar
- Organize home page and sidebar
    - Build out the home group component -Kyle
    - Build out the side group component - Walter
- Discussed how we will manage state - All

○ Possibly going away from Redux

Pending Issues

- Continue to watch API calls, and document reports
- Create main Screens that navitation will go to
- Hook up API calls to major components we already have built
- Connect the major and sub-components
- Research functional testing
- Enable authentication for components that are not public

Individual Contributions

Team Member	Contribution Weekly (Brief list of contributions)	Hours	Total Hours
Victor Amupitan	Created the sidebar component and incorporated it into the layout of the application. Created the navigation bar and made it generic to be reused by all screen components. Started looking into how navigation between our layouts would work	10	79
Lucas Kern	Worked on refactoring the Experience button to be used for our menu and our homepage. Working on familiarizing myself with standards in React Native and simplifying code.	13	70
Michielu Menning	Finished creating experience button component and worked diligently worked on a tabs component for our application. Looked into styling practices and common practices.	14	74
Kyle Nordstrom	Worked on and finishing testing for the button micro-component, starting to work on the home group component, layed out the next phases for buildertrend	11	64
Francis San Filippo	Finished login functionality hooking into buildertrends API. Continued to work on more API functionality for API service component.	9	65
Walter Seymour	Implemented the side grouping of our side menu. Researched ways to pass data through React Native applications. Met with Buildertrend.	7	63

Plans for Coming Week

- Build home group layout
  - Need to organize the
  - Toggle Button - Lucas
- Create Fill in screens for each major component
  - There are around 20 major components
  - Create new components for each screen for navigation's sake
- Continue to Watch API calls
  - Contact Rich for API questions
  - Get other API calls stored in application
- Build out some smaller components
  - Profile Sections
  - Home Button in sidebar
- Finish implement navigation between components
  - Either implement or add a navigation lib
  - Create and add navigators for the different screen layouts

Summary of weekly advisor meeting

We spoke with Mai Zheng about organizing another meeting. He will be gone this week so we just planned on speaking to him after thanksgiving. This will be good preparation for the final demo, we plan to get his advice on the upcoming steps for the project.