EE / CprE / SE 491 – sdmay19-02

CONVERT NATIVE MOBILE APP TO REACT NATIVE

Week 10 Report

November 12th - November 29th

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 the past two weeks, we have made vast improvements to our application. We have improved the navigation and integrated React Navigator to our project. We have successfully intercepted Login data flow and are now primed to get the project finished next semester. We continue to code review everyone's code to ensure quality work is being done.

Past Week Accomplishments

- Menu and home buttons navigate successfully -Victor and Lucas
    - Refactor code to have functions in same place
    - Architecture changes on application
- Screen components template set up - Mich
- Subcategories for Menu created - Walter
- Plus button to be able to add items created - Kyle
- API Login setup - Frank
- Top bar created - Victor
    - Hamburger menu showing in experiences
- Researching API calls - Frank
    - Charles

○   WireShark

Pending Issues

- Document progress for watching API calls
- Hook up API calls to major components
- Research functional testing
- Enable authentication for components that are not public
- Fill out major components with

Individual Contributions

Team Member	Contribution Weekly (Brief list of contributions)	Hours	Total Hours
Victor Amupitan	Created a topbar for the application. Created a sidebar for the screens and hooked up navigation for sidebar items to screens, which included architecting how navigation is hooked up with the User Interface. Created a script to be used as a tool to help us create components quickly.	23	102
Lucas Kern	Setup the navigation for the home experience buttons. Made changes to the code to remove unneeded code and increase efficiency of the application. Setup the Android emulator on my device to test in both iOS and Android environment.	21	91
Michielu Menning	Create a template for screens. Used that screen to successfully implement screens for every route in the original Buildertrend application. Review other people's code and do research on appropriate functionality and practices.	19	93
Kyle Nordstrom	Bringing my button merge request up to date, working on laying out the home buttons, we are also working on presenting our project as well as finalizing other documentation.	15	79
Francis San Filippo	Connected login through API service to UI. Tried to capture web traffic from mobile devices by rerouting it through Charles in order to record endpoint URLs. This didn't work so I tried dumping tcp information from an android emulator to read packet information through wireshark.	17	82

Walter Seymour	Wrote tests for my new components and existing components. Finished the group components, with many conflicts due to React Navigation. Updating Project Plan and Design Document. Preparing for Presentation to panel.	19	81

Plans for Coming Week

- Continue to Watch API calls
  - Contact Rich for API questions
  - Get other API calls stored in application
  - Hook up API calls to major components
- Build out some smaller components
  - Profile Sections
  - Other components that are needed for major screens
- Fill out major screens
  - Using smaller components
- Research functional testing
- Finalize Design Document
- Finalize Project Plan

Summary of weekly advisor meeting

We will be meeting with Mai Zheng on Monday during his office hours. We will be talking about our presentation and see if there is anything else we will need to be adding to our presentation.