

EE / CprE / SE 491 – sdmay19-02

CONVERT NATIVE MOBILE APP TO REACT NATIVE

Week 05 Report

September 29th - October 6th

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

This week we worked on the architecture design and decided on it being component based. We also continued to work on familiarizing ourselves with React Native and Redux. We met up with our Academic Adviser to touch base and continue to work towards creating the highest quality product.

Past Week Accomplishments

- Experimented with technologies - Everyone
 - Continued Researching and watching tutorials for Redux
 - Learn about higher order components and other react practices
- Started list of important HTTP requests- Frank, Kyle, Mich
 - Using intercepting strategy, started list of important API calls
 - Investigated HTTP request parameters to decipher function of API endpoint
- Construct high level architecture - Victor
 - Construct graph of initial architecture
 - Looked into some React/Redux design choices
 - Best practices

Pending Issues

- Determine architecture for the overall project
- Need to decide priority on which components we will build

- Login Page
- Need Buildertrend standards (themes and logos)
- Need to watch API calls
- Work on personal React Native apps
- Research Redux

Individual Contributions

Team Member	Contribution Weekly (Brief list of contributions)	Hours	Total Hours
Victor Amupitan	Continues to work on React Native and Redux tutorials. Looked into some React/Redux design choices and best practices. Design the overall high-level architecture for data flow and UI	9	37
Lucas Kern	Continues to work on React Native and Redux tutorials, Met with academic adviser, Worked with Postman to intercept API calls from BT app	7	31
Michielu Menning	Met with project advisor, researched testing frameworks, interacted with interactive tutorials. Looked into HOC(Higher ordered Component).	6	36
Kyle Nordstrom	Looked into the component structure of the current application, Outlined the existing features and their sub-components, Worked on familiarizing myself with React Native as well as started looking into Redux.	6	35
Francis San Filippo	Generated functional requirements, composed possible risks and action plans for said risks. Researched applications with similar functionality.	6	36
Walter Seymour	Finished a basic React Native App, Discussed and Nearly Decided Architecture for Redux, Met with Mai Zheng to discuss future of project, Set up environment to watch API calls with Postman	8	34

Plans for Coming Week

- Expand architecture design- Everyone
 - Work to finalize architecture plan
- Begin to claim tickets -Everyone
 - Start working on ticket issues
 - Claim tickets for components
- Determine implementation of components
 - Using breakdown of functional requirements, decide where functionality overlaps
 - Breakdown functional requirements into cohesive and uncoupled elements
- Continue to Watch API calls
 - Using an interceptive method, watch API calls from BT app

Summary of weekly advisor meeting

Four team members met with Mai Zheng during his office hours and had a productive talk with him. We introduced ourselves, explained what our project is, and what we've been doing. Overall, it was a nice meeting to get to know him and for him to get to know us and our project better.