

EE / CprE / SE 491 – sdmay19-02

CONVERT NATIVE MOBILE APP TO REACT NATIVE

Week 07 Report

October 14th - October 21th

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

We created some micro components that are some basic utilities that we split up and are working on to get us familiarized with the project and react native. These components will be used to create larger components that apply to the design of the application.

Past Week Accomplishments

- Start creating smaller components for application
 - Create tickets for smaller UI components (some reusable components)
 - Claim tickets for components
- Utilizing our knowledge of React-native to apply to our application
- Set-up helper components
 - Components to help guide the format and layout of our components
- Design of our individual components
 - Decided how we wanted to build our components off of eachother
- Intercepted API calls
 - Found basic API calls for our frontend to call to our backend

Pending Issues

- Start creating smaller components for application
- Need to continue to watch API calls
- Work on assigned microcomponents
- Develop a UI Design Path
- Design Testing Path

Individual Contributions

Team Member	Contribution Weekly (Brief list of contributions)	Hours	Total Hours
Victor Amupitan	Created the base architecture for the project. This involved finally choosing an architecture style, refactoring the structure that was already put in place, setting out the UI data flow path for main components to communicate, and created the 'Experience Loader' which controls the sidebar component and controls what major component is rendered	14	57
Lucas Kern	Continued research on React and Redux, Work to assign new micro-components, Worked on the toggle button micro-component	10	48
Michielu Menning	Brainstormed micro-components our team can start working on. Assigned a micro-component for myself.	9	51
Kyle Nordstrom	Worked with teammates to structure micro-components, built a basic component for reference, talked with Mai about meeting next week	7	46
Francis San Filippo	Started API service component in React. Created Http transformer utility for formatting http requests.	8	49
Walter Seymour	Created the UI for login page, Assigned micro-components to people, Communicated with Buildertrend for UI info, worked with helper components	8	48

Plans for Coming Week

- Start creating smaller components for application
 - API Service - Francis

- Toggle Button - Lucas
- Login Page - Walter
- Home Buttons - Michielu
- Create Experience Loader - Victor
- Continue to Watch API calls
 - Using an interceptive method, watch API calls from BT app
- Develop a UI Design Path
 - Start designing bigger UI components
- Design Testing Path
 - Look into testing frameworks to properly test application (frameworks that work well with React).
 - Create a testing guideline so our tests stay consistent
- Creating a Data Path for the application
 - Use Redux to set up a path to pass data throughout the application
 - Create mock data for UI Testing

Summary of weekly advisor meeting

Our Co-Team Lead/Meeting Scribe met up with our advisor and scheduled a meeting for this upcoming week. We will meet him during his office hours.