

EE / CprE / SE 491 – sdmay19-02

CONVERT NATIVE MOBILE APP TO REACT NATIVE

Week 06 Report

October 7th - October 13th

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 laying our architecture design into a more suitable design. This involves creating diagrams as well as comparing different methods for how to solve the design problem. We obtained the style guides from Buildertrend as well some API calls that we have been monitoring via Postman. We also worked on how we will be testing our software and different methods.

Past Week Accomplishments

- Became more accustomed with new technologies - Everyone
 - Researching more tutorials about native.
 - Learn about higher order components and other react practices
- Architecture - Everyone
 - Researched multiple possible architectures
 - Discussed pros and cons for each design
 - Analyze architecture
 - Create graphs for architecture
 - Data flow
- Testing - everyone
 - State interface specifications
 - Specify hardware testing standard
 - Specify software testing standard

- Determine functional requirement testing criteria
- Calculate methods to test non-functional requirements.
- Coverage criteria

Pending Issues

- Need to decide priority on which components we will build
- Login Page
- Need to continue 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	Worked on the design architecture alongside my teammate, reviewed some of the team processes, looked into testing framework for the application	6	43
Lucas Kern	Worked on the design architecture, worked on React Native and Redux projects, applied design workshop lessons to design decisions	7	38
Michielu Menning	Researched and discussed possible architectures for our project. Wrote standard testing frameworks and criteria for functional and nonfunctional requirements.	6	42
Kyle Nordstrom	Refreshed some JS with a few katas on codewars and read a little more about React Native. Utilized design thinking to help compare and contrast project architectures.	4	39
Francis San Filippo	Researched Redux store and best practices of API module interface implementation. Created component diagram for application architecture design.	5	41
Walter Seymour	Discussed and took part in developing project architecture, Made plans to implement Redux into the project, Wrote about testing in the design document we developed	6	40

Plans for Coming Week

- Develop a UI Design Path
 - Start designing bigger UI components
- Start creating smaller components for application
 - Create tickets for smaller UI components (some reusable components)
 - Claim tickets for 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
- Continue to Watch API calls
 - Using an interceptive method, watch API calls from BT app
- 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

Meetings with our adviser are tentative and will be able to meet with him during his office hours or by scheduling a meeting. We did not have a meeting with our advisor this week.