

EE / CprE / SE 491 – sdmay19-02

## CONVERT NATIVE MOBILE APP TO REACT NATIVE

### Week 03 Report

September 14th - September 21st

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 focused on setting up the development tools, our repository and using the Buildertrend app. There were many process and workflow decisions made which required input from each member of the group. Meetings were focused on making sure each member was up and running with the project. A workflow for intercepting network calls was set up which involved rerouting traffic to a proxy server.

### Past Week Accomplishments

- Downloaded and Accessed Demo Account- everyone
  - Now able to explore what Buildertrend application does
  - Get to see what a Buildertrend user experience is like
  - See the different features offered and things we will need to replicate
- Set-up repository on GitLab - everyone
  - Made a README
  - Installed a package manager
  - Created React Native app
- Organized development environment - everyone
  - Downloaded Visual Studio Code
  - Enable entire team to access project repo locally
  - Downloaded debugging tools (React Dev Tools)
  - Download Expo on mobile phones to view React Native app

- Decided to use GitLab issue tracker - everyone
  - We can now set-up and track issues
- Met with client - everyone
  - Met Daric Teske who is a developer at Buildertrend
  - Asked about documentation and standards
  - Suggested setting the framework of the app
- Workflow for intercepting Network calls
  - Setup postman
  - Setup local proxy server
  - Rerouted traffic to proxy server

## Pending Issues

- Find tool to watch API calls
- Need to watch API calls
- Create issues on GitLab
- Determine architecture for the overall project
- Need to decide priority on which components we will build
- Need Buildertrend standards (themes and logos)

## Individual Contributions

<b>Team Member</b>	<b>Contribution Weekly</b> (Brief list of contributions)	<b>Hours</b>	<b>Total Hours</b>
Victor Amupitan	Downloaded and Accessed Demo Account, Set-up repository on GitLab, Organized development environment, argue which ticket tracker to use, Met with client and took notes	<b>6</b>	<b>18</b>
Lucas Kern	Setup environment, downloaded Buildertrend's application and messed around with it, researched into GitLab issue tracker vs other ticket trackers, met with client	<b>6</b>	<b>16</b>
Michielu Menning	Downloaded Buildertrend's demo application, set up Gitlab repository, researched webpack. Online tutorial series: <a href="https://codeburst.io/easy-guide-for-webpack-2-0-from-scratch-fe508a3ce44e">https://codeburst.io/easy-guide-for-webpack-2-0-from-scratch-fe508a3ce44e</a>	<b>7</b>	<b>17</b>
Kyle Nordstrom	Gained access to the shared repository on GitLab, Helped team organize the development environment, Explored the differences between GitLab issue tracker and Trello, Met with Rich, Explored Buildertrends application with a test account	<b>7</b>	<b>18</b>

Francis San Filippo	Created workflow for intercepting network calls using postman. Setup project tools such as repos, development environment, and project dependencies.	<b>7</b>	<b>19</b>
Walter Seymour	Started personal React Native app, Communicate with Rich for meeting, Met with client and led team discussion, Worked on the team's README	<b>6</b>	<b>18</b>

## Plans for Coming Week

- Decide which software to use for API calls - Everyone
  - Postman
  - Fiddler
  - Charles
- Decide Architecture styles for project - Everyone
  - Brainstorm styles
  - Meet up and discuss how we want the architecture to be
  - Set up pros and cons for each architecture to clearly and confidently focus in on what we want to go with
- Populating Issues - Everyone
  - We have gotten to the point of getting to know what the BuilderTrend app looks like. It'll be good to have an overhead view of what we need to get done.
- Experimenting with technologies - Everyone
  - We started to get our feet wet with React Native. It is important for us to get more familiar with the technologies.
  - If we have time, starting to get familiar with Redux will help us get a clearer idea of how both React native and Redux works together.