EE / CprE / SE 491 – sdmay19-02

CONVERT NATIVE MOBILE APP TO REACT NATIVE

Week 04 Report

September 21st - September 28th

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 consisted of the continuation of getting accustomed to technologies that we would use. This includes things like react Native, Redux, as well as deciding which software to use for API calls. We also created issues with our GitLab issue tracker. Some other things we discussed are to agree on testing, structure, and other important architectural decisions.

Past Week Accomplishments

- Decided which software to use for API calls - Everyone
  - Postman
    - Intercepting http request using a proxy server
- Came up with Issues - Everyone
  - Components that need to be created
  - Broad plan for the project
- Populated Issue Tracker - Mich
  - Filled out 10 tickets on GitLab to clearly and evenly distribute issues
  - Research and set the ticketing standard so other team members will be able to confidently create tickets as the project progresses.
- Experimented with technologies - Everyone
  - Finishing up tutorials on React Native
  - Research and start practicing Redux

- Project Plan
    - Created deliverables. Both functional and nonfunctional.
    - Created schedules
    - Prototype plan
- Determine overall component structure of the BT application - Frank, Kyle and Michielu
    - Label each route and page

Pending Issues

- Need to watch API calls
- Work on personal React Native apps
- Need to research Redux
- Determine architecture for the overall project
- Need to decide priority on which components we will build
- Need Buildertrend standards (themes and logos)
- Login Page

Individual Contributions

Team Member	Contribution Weekly (Brief list of contributions)	Hours	Total Hours
Victor Amupitan	Researched architecture styles for the project, Worked on project plan including deliverables, architecture, technology trade-offs.	**6**	**24**
Lucas Kern	Finished up a React Native tutorial to familiarize myself with the language, worked on project plan which includes a schedule and milestones, Familiarizing myself with Redux.	**7**	**24**
Michielu Menning	Write project report, research ticketing system, create 10 tickets, participate in react/redux tutorial https://codeburst.io/learn-how-to-build-astronomy-picture-of-the-day-app-with-nasa-api-and-react-redux-e462ef0c806c, and make some sense to Buildertrend's components	**13**	**30**
Kyle Nordstrom	Set-up meeting minutes, organized meeting with Mai Zheng, Structured the project plan, wrote and edited multiple sections of the project proposal, looked into how to edit our site (Frank helped me with this) Played around with test data on Buildertrend App and got more familiar with structure.	**11**	**29**

Francis San Filippo	Split up buildertrend application into smallest implementable sections. Collected common API requests (login, logout, requesting home, etc...) and indexed them for use in later development.	**11**	**30**
Walter Seymour	Continuous Work on React Native App, Redux research, Wrote about future of project in Project Plan, Discussion with Buildertrend about backend code	**8**	**26**

Plans for Coming Week

- 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
- Experimenting with technologies - Everyone
  - 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.
  - Familiarize ourselves with Postman
- Meet up with Mai Zheng during his office hours
  - Introduce ourselves
  - Inform him on what our project plan is moving forward.
- Watch API calls
  - Using an interceptive method, watch API calls from BT app

Summary of weekly advisor meeting

Plan to meet with Mai Zheng next week during his office hours. This meeting will introduce the whole team and talk about our progress on the project as well as where we are headed with the project.