

SE 492 - sdddec20-07

Creating the New Face of Buildertrend

Week 7-9 Report

January 2020 - November 2020

Client: Buildertrend

Faculty Advisor: Mai Zheng

Team Members:

Mitchell Knoth - Team Meeting Scribe

Melissa Hernandez - Team Communications Leader

Dallas Evers - Team React Expert/Code Reviewer

Joshua Bump - Team Webmaster

Kailyn Mann-Calaway - Team Reports Manager

Darnesha Randle - Team Leader

Bi-weekly Summary:

Had our final PIRM meeting of the semester and presented to our class more on the technical aspects of our project instead of giving a high overview. We took Mai's advice that by having our team dive into the technical aspects of our project, it will do a better job of demonstrating the overall complexity of our project. Before we were told that our project was too simple and that our project's scope and difficulty level did not match the expectations set for us, but this was because we were underselling our project and oversimplifying our explanations of what it was all about.

We also worked with Buildertrend and our stakeholders (Daric and Cameron) and made sure that all prior underlying problems of the virtual machines were completely squared away. Everyone should have the repository cloned onto their virtual machine and be able to start and run the project. We figured out that people were having connectivity issues to the repository because the virtual machines needed to be hooked up using the OpenVPN. Before we thought that it was an Active Directory issue, but after working with Team Help we figured it out. A lot of the virtual machine problems were because of an incomplete transfer of our old VM's to our new VM's. The problems ranged from having the wrong registration codes for the VMs to not having our accounts properly hooked up the way they should have been in AD, along with passwords not correctly saving and transferring over to the new VMs.

Individual Contributions:

Name	Individual Contributions	Bi-weekly Hours	Cumulative Hours
Mitch	I spent my time figuring out everything with the virtual machine and working with Team Help, which is Buildertrend's IT support team. Cloned the repository and looked over Melissa's branch and code of the React Components.	4	11
Dallas	Kept my repository up to date with the changes made from buildertrend while also looking over the new code to see what patterns Buildertrend is implementing	3	14
Melissa	With Buildertrend's mockup as a reference tool, I began working on the components necessary for the Job Access tab. This included figuring out which data entities we would need, how to best achieve the needed functions within the Parent job access class, as well as figuring out how to organize the presentational layer. Setting up the project was initially a slow process due to the massive size of Buildertrend's code repository, but now that I clearly understand the code structure, it will be easier to get more work done in the future.	6	16
Joshua	I spent my time in the last two weeks on a few things. I had issues with the virtual machine, so I got that fixed. I also updated our team website with new documents such as from our PIRM meeting. I have cloned the repository and have been looking through the code base for the current page. I have also been looking at documentation for the page we are currently assigned to.	3	10
Kailyn	I read over the tech discovery and cloned the repository. I have started reading the code on the repository.	4	12
Darnesha	I fixed all of my issues with the virtual machine. I read over the tech discovery. I cloned the repository and have been looking over the current code database, as well as the current branch code from Melissa.	4	12

Pending Issues:

- Timeline. Our VM issues have taken up many more weeks than we would have liked. At this point, there are six weeks left in the semester (excluding finals week) and it will be critical for our team to make fast progress if we want to finish in time.

Plans:

- Our team now has clear cut expectations on what pages we have to finish with the remaining six weeks left in the semester. By the next stakeholder meeting on 10/23, we need to have the Permissions, Job Access, and Notifications tabs finished.