

## Senior Design Weekly Status Report

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### **Sddec19-11: Companion file browser application for the Buildertrend web-application for Windows**

Week 4 Report

March 4 - March 8

**Client:** Buildertrend - Kirit Chandran

**Advisor:** Mai Zheng

#### **Team Members**

Christopher Bui - Software Engineer - Meeting Scribe

Brian Chodur - Software Engineer - Lead Front-end developer

Luke Stoll - Computer Engineer - Report & Task Manager

Jason Zhao - Computer Engineer - Project Planner & Back-end developer

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#### **Summary of Progress**

This week our group had two meetings. The first meeting we discussed some of the lingering questions about the functional and non-functional requirements for the web application. We got with our client to answer some of these and will continue meeting until we get a clear understanding hopefully by next week. Our second meeting we discussed the break down of the architecture of the web application and came up with various solutions that may work to achieve the given requirements. The UI was also being constructed and layed out so that way we can understand how it will be created. We also started the design document and have setup necessary pages for the web application.

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#### **Pending Issues**

- 1) Unclear of full functional and non-functional use cases of the system
  - 2) Some of the team members not familiar with the technology that is going to be used later
  - 3) Unfinished Design Document
  - 4) Architecture for back-end and components for front-end
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#### **Plans for Upcoming Reporting Period**

**Chris Bui** - Work on design document, continue react tutorials, database design with Jason

**Brian Chodur** - Work on more sketches and modify existing ones and create a flow diagram of the different interface to see how the flow of the web interface will go together.

## Senior Design Weekly Status Report

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**Luke Stoll** - Continue working on design document and making sure we have the correct graphs and illustrations. Start watching tutorials of C# and react to become more familiar.

**Jason Zhao** - Help finish database design and design document, component diagram.

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### Individual Contributions

| Team Member     | Contribution   | Weekly Hours | Total Hours |
|-----------------|--|--------------|-------------|
| Christopher Bui | Continued working on react tutorials, worked on design document and architecture of the web application      | 6            | 23          |
| Brian Chodur    | Worked on the sketches for the front end. Worked on the design document. Continued to watch React tutorials. | 6            | 24          |
| Luke Stoll      | Worked on the design document and getting further requirements and documentation for the group.              | 6            | 22          |
| Jason Zhao      | Implement System Design, created the system design diagram.  | 5            | 29          |

### Gitlab Activity Summary

Nothing to report.

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