

## Senior Design Weekly Status Report

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

Week 5 Report

March 11 - March 15

**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 we met as a group to discuss more into detail on the database tables. We received more information from our client and updated our current database tables. We also talked about the design for the system architecture and compared using MVC, MVC + Rest API, or just using Rest API and use client side rendering. We sketched out the details and strengths and weaknesses of each approach. Our group is continuing to work on the design document as well.

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#### **Pending Issues**

- 1) Unfinished Design Document
  - 2) Architecture for back-end and components for front-end
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#### **Plans for Upcoming Reporting Period**

**Chris Bui** - Finish up system architecture, create basic API routes for reference to understand logic flow

**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.

**Luke Stoll** - Continue working on design document and making sure we have the correct graphs and illustrations.

**Jason Zhao** - Revise design document and Look into learning c# and how to set up server with c#

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### Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Christopher Bui	System architecture and database design, researched testing utilities	7	30
Brian Chodur	Worked on the sketches for the front end. Continued to watch React tutorials. Help with database design	5	29
Luke Stoll	Worked on the design document and getting further requirements and documentation for the group. Started looking over tutorials for react and worked on some database design.	7	29
Jason Zhao	Help Design Database, communicate with client with further clarification. Write up for system design sections about	5	35

### Gitlab Activity Summary

Nothing to report.

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