
Senior Design II - Weekly Report IX - DEC1708

Brief summary of the activities in the last two weeks.

Over the last three weeks we have solidified our React web application and concluded the foundational components required for our final project. During this time we met with our project advisor twice and our project client once. Based on the conversations had in these meetings we selected bootstrap and flux as additional frameworks to be paired with React for more rapid development of our web application. We then successfully paired these technologies with our Firebase backend service provider in some important ways. This included three-dimensional data synchronization between our real-time database, React data model, and DOM. With that task completed we turned our attention to integration of Firebase's user authentication system for secure account authentication within our application. We were able to hook this authentication logic up to a bootstrap login form which supports both account login and account creation. We were also able to integrate React component switching to implement a single page application system which redirects based on auth or user input. Finally, this week we began the task of creating our data collection component which will build upon our previous Firebase and Bootstrap work and will represent the completion of one of our primary application functional requirements.

Status summary of the extra credit homeworks that are due.

This week we also made strong progress on our first extra credit assignment. We found a few resources for the paper and began the process of documenting the similarities and differences between established research projects and our development project. We assigned the task of writing the analysis paper to specific team members. Work should begin on that shortly.

Any exceptions that could affect the demo or presentation?

Not at this time. Development is moving along at a good pace and we are currently on schedule with our established project timeline. At this time we do not consider there to be any conflicts or difficulties that should endanger that project or it's completion.

Any items more remotely related to the project that need to be discussed?

Not at this time. As was previously mentioned, the project is coming along nicely and is currently on schedule according to our original project timeline. No outside issues have presented themselves at this time and we feel confident at this time.