Brandon Carey

Wes Breisch

SER 300

Reflection Write-Up

**What were the major difficulties?**

There really weren’t any major difficulties in this project. The only difficult aspect was the logic. At first it was confusing to understand. We did not realize that we had to implement both the pain assessment in older people, along with the Quinnipiac School of Nursing pain assessment. At first we thought that we were mirroring what the students had given to us, however once we read the guidelines more carefully, we realized that we had to implement both. Considering that Brandon is a design double major, this project fit his strengths towards the design aspect. He was able to do a bulk of the design work, so that Wes could focus on the implementation. Since Wes is a software engineer, he had experience with meteor. This allowed him to implement the logic, while maintaining some of the extra additions to the GUI like searching for existing patients. One other aspect that was difficult was trying to implement a search option for existing patients. This used a Mongo database to query for specific patients that were already added to the system.

**What were the easy parts?**

The easy parts of this project definitely were all of the design aspects, and the data handling. Since Brandon is a graphic design major and Wes is a software engineer, we were able to create a really nice application. Brandon handled a lot of the design and GUI mockups, while Wes implemented a lot of the logic in Meteor.

**What would you change given the opportunity?**

If we had to change one aspect of the project if we were allowed to start from scratch, we would change the way the GUI mock-ups were made. Originally, Brandon did a more linear approach, so it was really hard to understand how the application was going to transition given the answers provided by the patient. However, once we both realized that this wasn’t the best approach, we used a tree-based analysis. This was more efficient, and it was easier for the user to understand.

**Was there anything else that was interesting about the CDS project?**

We both think that the process was very interesting. We really liked how we met with the head of the School of Nursing to discuss the potential situations that we could implement. It really opened our eyes to the amount of checks and balances that software developers must go through in order to ensure that the product they make is an effective one. Overall, we really enjoyed this project. It was the first real-life instances where we got to implement something that actually served a medical purpose. We both think that this project really helped us grasp the overall feel of CDS.