

Title = "Scrum Implementation and Timeline";

TeamMembers[] = {"Jarrod Masarik", "Margaret Kriz", "Stephen Gwon", "Brent Brewster"};

INTRODUCTION:

Our team Implemented the Scrum agile project management framework to help us structure and manage our work as we worked toward the common goal of implementing a finance tracking system. Brent Brewster worked as the Scrum master attempting to assist team members with pain points and ensure communication throughout the team via slack and Scrum meetings. Margaret Kriz worked as our product owner owning and maintaining the product backlog that drove the sprints and allowed us to stay organized.

WEEK 1:

During our first sprint, sprint zero, we picked roles for each team member, created, and discussed our product backlog ensuring that each group member was able to understand the project. After, each developer picked something that they wished to own for the following sprint based on their experience and excitement and addressed some potential concerns. Once we all owned a component of the backlog and our concerns were addressed, we split up and began sprint one.

Sprint one we each worked on our individual components assigned to us from the product backlog. Margaret worked on setting up the GitHub repository. This consisted of creating, formatting, and constructing a readme that would outline the project goals and running steps. Jarrod worked on the client facing application learning how to use java swing to create a beautiful GUI that the end user would interact with. Stephen planned and began to code a budget input method and visualizer on its own also using java swing to allow for graphical displays of the user's budget goals. Brent worked on the setting up the code that would allow the client facing application to communicate with the backend, or server storage part of the application. This involved creating the server code as well as the necessary data structures and objects that we'd need to implement the rest of the application.

WEEK 2:

This brought us to our first daily scrum meeting. We met in Sennott and discussed our progress from the previous sprint. In this daily scrum some of the topics that were discussed were the following. First Margaret spoke. She provided us with the GitHub repo that she set up so we could share our code with each other. After Margaret was finished Jarrod discussed and gave us a quick presentation of his client facing GUI and expressed the impediment of not having a system in place to take user login information and return their data. After Jarrod was finished Stephen proceeded to show us the plan he created for his budget planner function as well as showing us some example graphs he was able to create using it. Brent was last and demonstrated a client sharing information with a server and discussed the impediment of needing to integrate the client code he wrote with Jarrod's. After this we attempted to address some of our obstacles, many addressed by sharing our code on GitHub, we proceeded to discuss our next sprint goals which again resulted in each of us picking something from the product backlog.

Sprint two we had 4 clear goals in mind. Now that we had functioning infrastructure, we had to integrate them into one application. Brent wrote the code that would send the user data to the server to allow the server to read it and then save it. This would allow the server to recognize users and save their

information. Margaret Wrote the Expenses log client framework, this allowed the user to input their expenses and select the category that it belongs to and frequency of the expense like daily, monthly, yearly etc. Stephen wrote the code that integrated his debt visualization tool into our client application to allow the user to see graphs and visualize their savings. Finally, Jarrod wrote the code that allowed the user to input their savings goals. Our second sprint resulted in two features being added. The ability to save user information and return it the next time that same user logged in and the ability for the user to visualize and create graphs based of their savings goal.