

Abigail Eastman
Senior Project Contributions
April 23, 2019

A lot of my contributions to the senior project have been in the frontend development of the software where I mostly worked together with Caeleb, Chris, and Martin. I attended all of the design meetings since the beginning of the project except for the database meetings. For the first sprint, I worked off the code that Chris and Caeleb developed to create a prototype for a list view we would incorporate into the project. Unfortunately we ran out of time in that demo and I was not able to show off that code. Most of that time was spent understanding Flutter, making coding examples to understand mobile app development with Dart, doing psychological research, and working with the team on design decisions. Additionally, I helped with all documentation throughout the sprints.

The second sprint was spent fleshing out the capabilities of the application by adding different functionalities in the form of additional screens and fully integrating the list view. This was the first sprint with the trello board and I have the corresponding stories on the next page. I completed all of my stories on time. I worked with Caeleb to create the detail screen so that it worked from the bubble view and list view. Then I worked on creating the add and edit screens. Lastly, I coordinated with Chris and Caeleb to make sure that the bubble color selections worked on every screen in the application. I also was helping out with bug fixes that would arise. The add, edit, and details pages that I created were also improved upon by other team members in the next sprint. I also worked with Martin through the second and third sprint to make sure that the UI worked together with the database he was creating.

For the third sprint, it was determined that I needed to take a step back from the project as I had taken on too much in the first two sprints. I was assigned the two stories of adding repeatability in the frontend and adding error messages for priority and size input and I was able to complete them on time. I figured out that instead of creating an error message for textboxes we were using for user input, that switching over to dropdown boxes would be simpler and more user-friendly. So, I made a prototype to determine how they work and integrated them into the project. While doing that I discovered an error in some of the pages/views and worked on separating all the pages of the application into different classes. I then added to the bubble class, edit screen, detail screen, and the add screen the options for general repeatability and the days of the week to repeat and designed how to display them. Martin then added the functionality to the database. For the end of the sprint I worked with other team members on code fixes that arose when merging code together and with some that were logical errors.

Trello Stories:

Second Sprint

- Integrate List View with Bubble View
- Sort by Priority (List View)
- Edit Screen
- Add Screen
- Detail Screen
- Implementing User Color Choice

Third Sprint

- Dropdown for Priority Selection in Add and Edit
- Add Repeat Time Interval to Bubble, Edit, Detail, and Add

Branches I Worked On:

abigail_branch

develop

caeleb_testing

martin_backup

caeleb

master