Overview: What is Sunshine Journal?

- An emotional tracker web application
- Originally designed for the people in clinics who may need mood tracker, but now also for all the people who wants to have emotional track
- A focus on usability for a multitude of age-groups
- Easy to use
- Log-in by google account
- Allows users to record emotions by select emojis.
- Users can view their personal historical data, set goals, add journals, add contacts.
- For more information, visit https://github.com/UMM-CSci-3601-S18/iteration-4-secure-super-group/blob/master/README-SSG.md
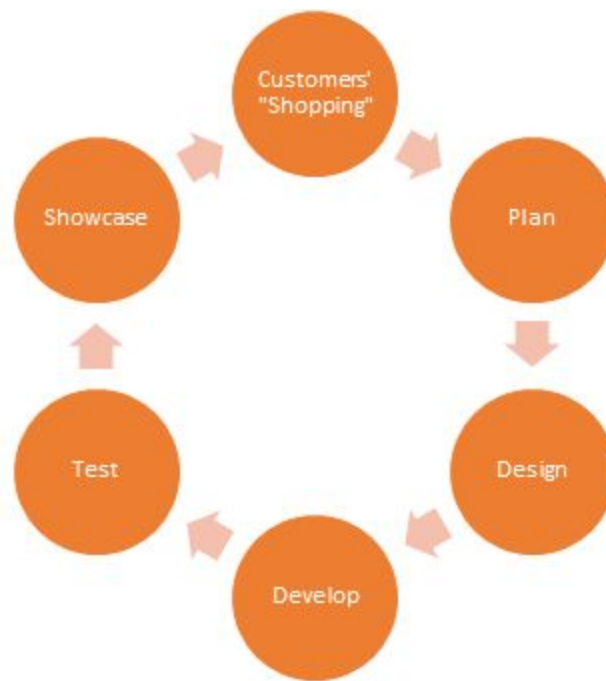
Project Approach: How was Agile implemented?

<u>Before getting start:</u>
- First time meeting with customers. Customers described what they want, and we did requirement analysis. Sometimes customers had a general idea but they are not sure what they want us to do, so we tried to ask different questions to guide our customers gradually clarify their requirements.
- Inception desk. Developers discussed in inception desk so that we were all on the same page.
- Story-gathering workshop. Based on developers' understanding, wrote down a lot of stories that need to be realized. Classified these stories and let our customers to give these stories priority. Customers corrected our understanding and clarified their requirements again if we have anything misunderstanding.

<u>Developing processes:</u>
- 4 two-week iterations
- 8 week production time
- Team size of 4, 6, 6, 8 over the iterations
- Agile development:
  - (Customers' "shopping": In each iteration, developers picked up higher priority stories and estimate each stories by points. We provided these stories and budget point for customers and let them select stories we will develop in this iteration.)

Tools used in Sunshine Journal:

- Angular 2 and Typescript
- Java
- Intellij
- Chart.js
- Gradle and Yarn
- Mango database
- Travis CI
- GitHub and ZenHub

My personal contribution to Sunshine Journal:

Throughout all 4 iterations, I have worked on both the front-end and the back-end of Sunshine Journal.

Iteration 1:
- Web design
- Created a questionnaire for users to choose their emotional feeling
- Depended on the emotions that users chosen, report page can provide different videos.

 Iteration 2 :
- Crate properately emojis with its intensity. Put these data into database and make them show up in a list in the tracker page.
- Beautify the pages and make them are user-friendly.
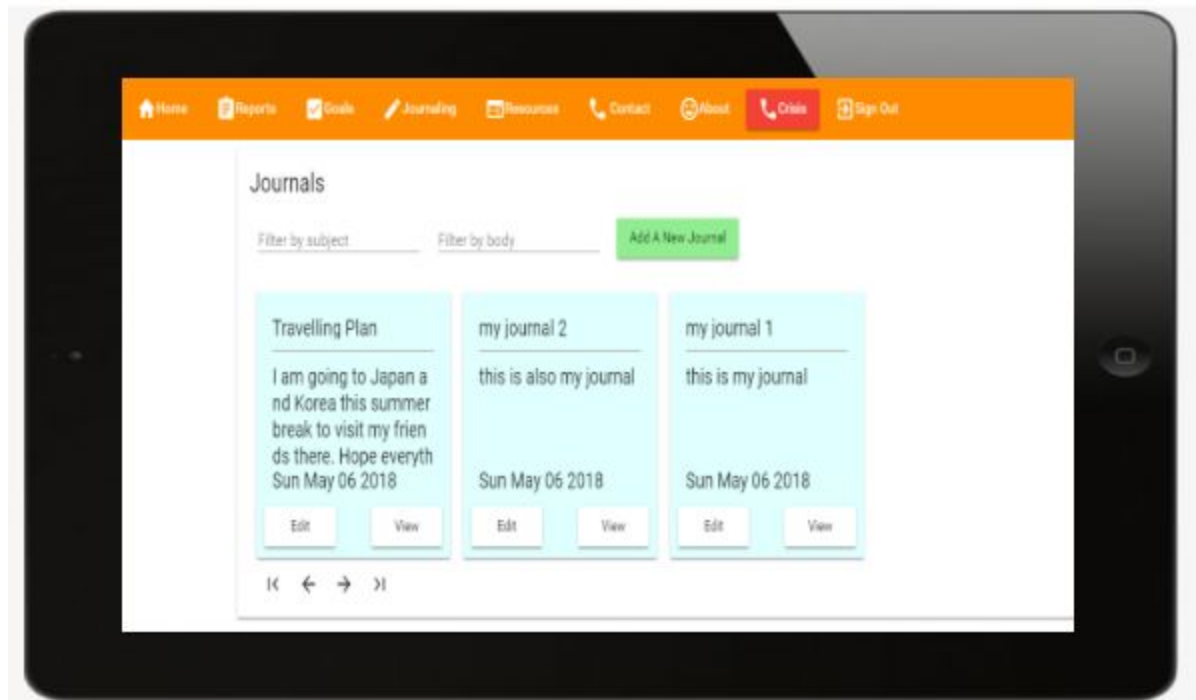- Server testing and trackers component testing.

Iteration 3:
- Worked on the journal page
- Journals show like a card form
- Users can add new journals, view and edit their exist journals
- Filter journals by subject or body or both
- Each page shows 10 journals
- Component testing, service testing, E2E testing for journaling page
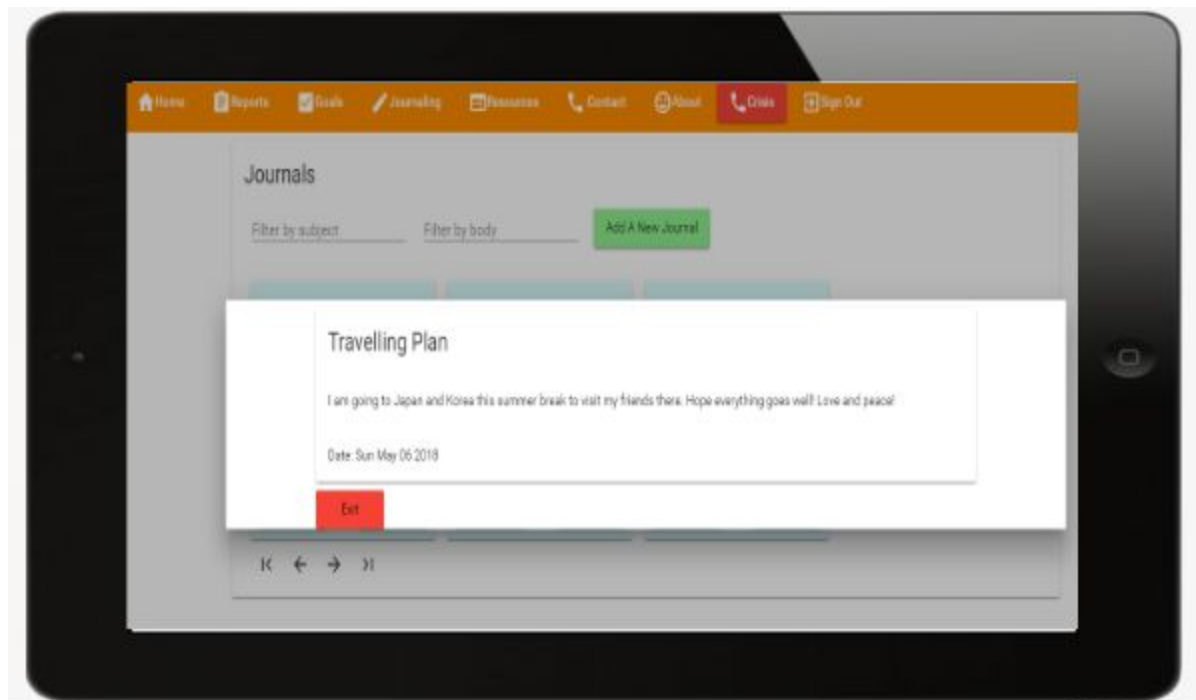
Iteration 4:
- Worked on the report page, get emoji information from database
- Built line chart and stacked bar plot to show the frequency of emotions have been recorded
- Showed the plot across a year or a week
- Filter by date, filter by emotion
- Component testing, service testing, E2E testing of report page

Personal Work Presentation:

Journals page

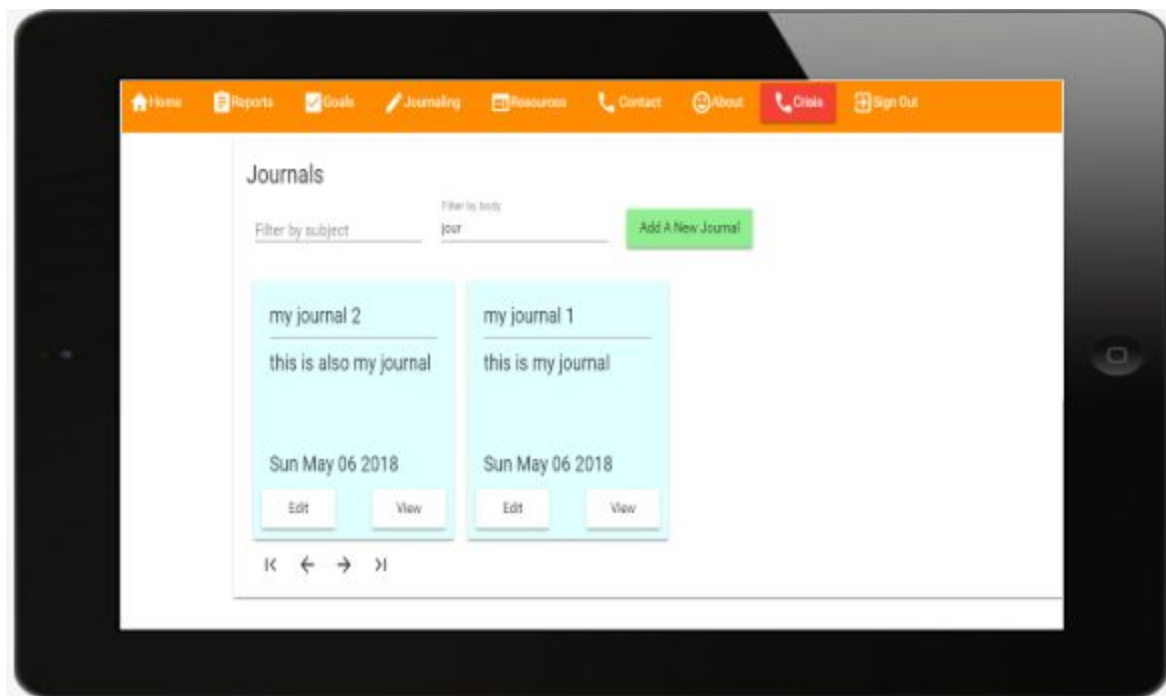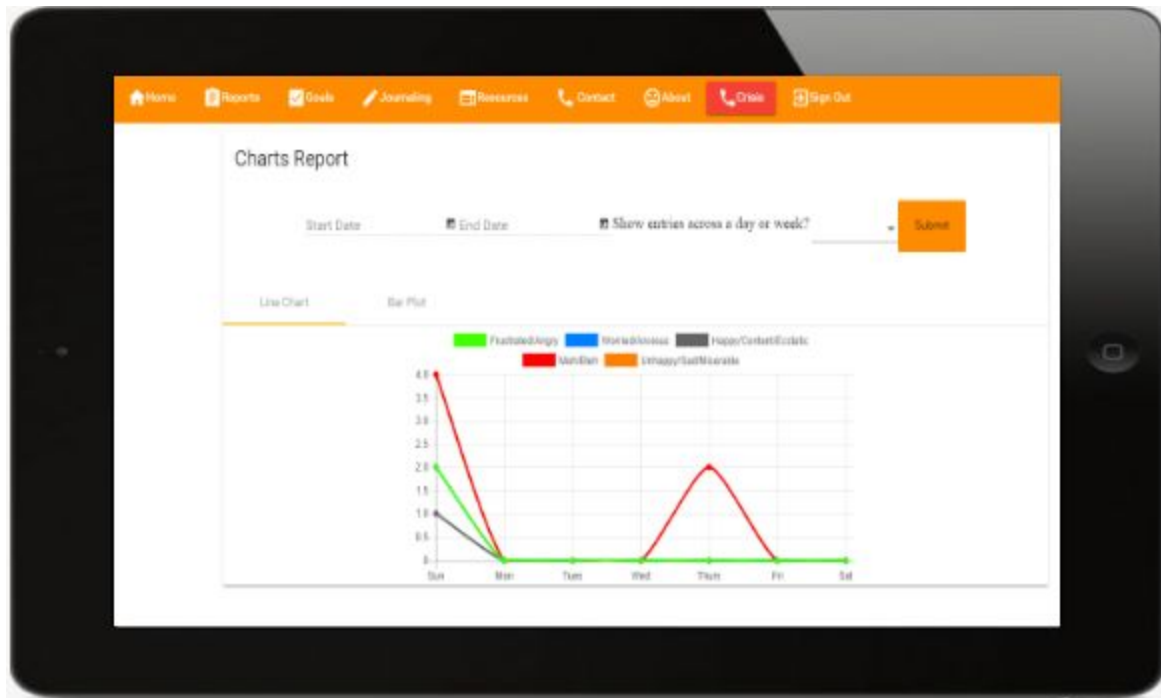
View journal

Edit journal

Filter by journals' body

Report page (Iteration 4):

Defaultly shows frequency across a week

Stacked bar plot
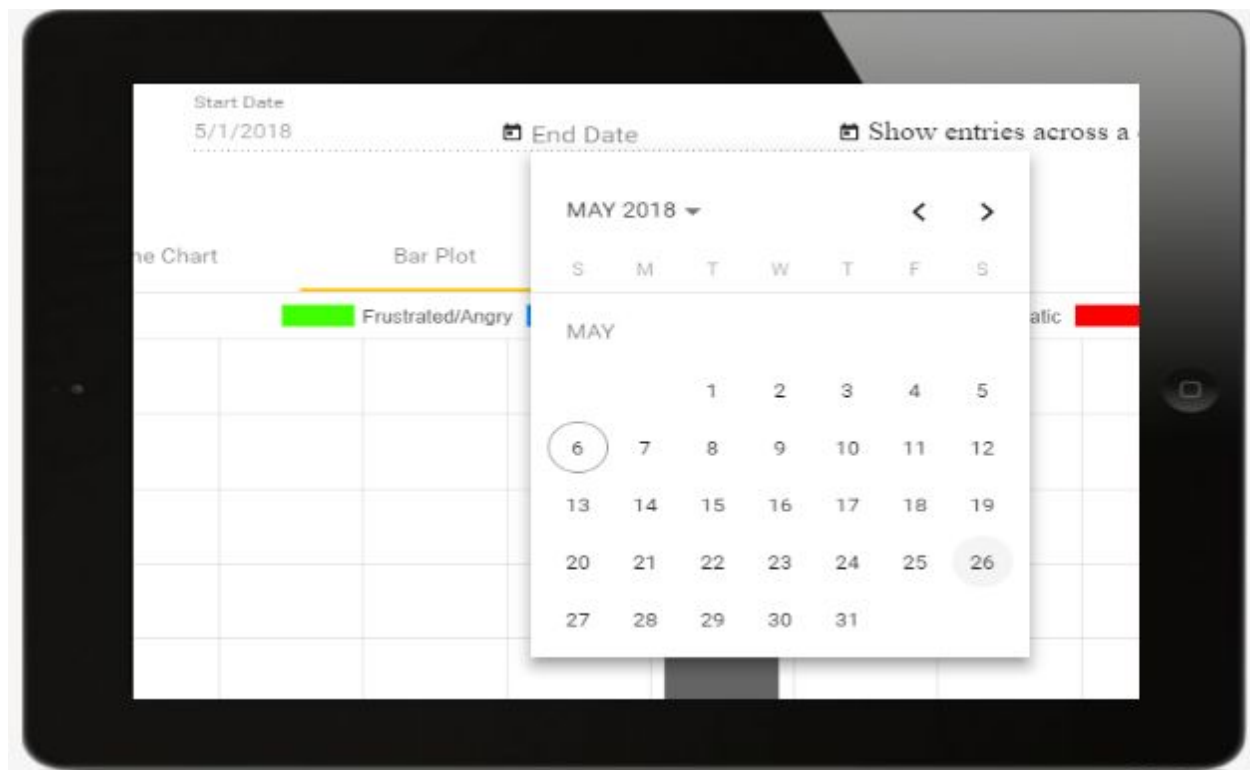
Only show Meh/Bleh

Show stacked bar plot with ignoring Meh/Bleh across a year

Can choose start date and end date

Link:

- GitHub: https://github.com/UMM-CSci-3601-S18/iteration-4-secure-super-group
- Web link: http://sunshine-journal.site/