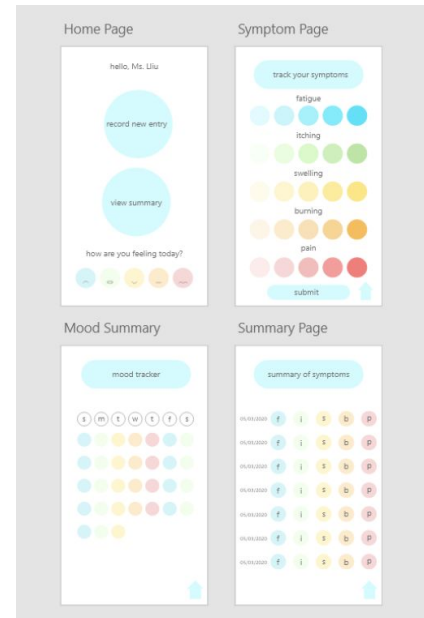


Team 17 Design Brief

First Prototype:

- Demonstrate the layout of the app and basic functionality (pictured right).
- Included a home page with 3 buttons/options, record symptoms, recent entries, and support.
 - Each would link to a new and unique page.
 - The record symptoms page was designed to be easy and quick to use, with an option of including further details using a voice to text feature.
 - The recent entries page was a summary of past entries intended to track patterns and fluctuations in symptoms.
 - The support page would have access to support lines
- A key part of the app is allowing doctors to access the patient's entries in order for them to be able to use that information to help their patients with diagnosis, treatment, etc.
- Adding notifications once/twice a day to encourage frequent entries

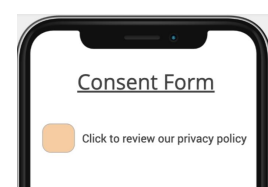


External Feedback:

Minor Revisions Recommended

We received a lot of useful feedback from our design review including validation of our design and some constructive criticism. One important thing highlighted was surrounding the list of contacts intended to be on the support page. We were told that it is important that the list should be provided by SAS, specific to the patient, and confidential to her and SAS. We were also warned to minimize the amount of personal information we collect from the users. They liked our general layout and the simplicity of the design and endorsed the idea of notifications. They encouraged us to consider how the data would be shared with the physician, needs to be private, secure, and easy to use. We were also told that although the symptoms page was well organized and very easy to use it was lacking localization information, something that is very important with a condition like Ms. Liu's that affects her body in multiple places. Finally, they mentioned that the mood scale we had was too ambiguous and should be more clear and precise for the user.

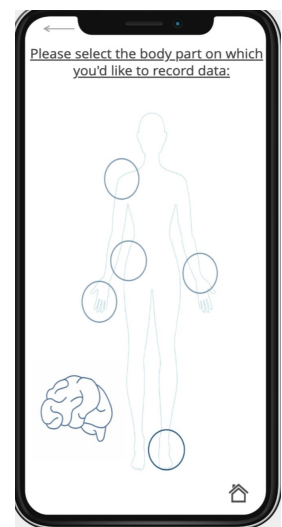
Internal Feedback:



As a group, we also reviewed our design and found some areas in need of improvement. The main thing we had overlooked was privacy and consent. We realized we needed a privacy policy explaining the terms and conditions of the app and exactly what happens with the data. This is important to ensure the user feels comfortable using the app, that we are transparent with our policies, and to comply with the App store's rules. This would include a section where in order to use the app, the patient must check a box giving their consent for their data to be stored and shared with their physician (pictured right). We also realized our support page could use some refining and brainstormed ideas to edit this such as adding artwork, music, and pictures. There were also small details we found that could be improved on, such as word choice, layout, colour, and other design elements.

Proposed Revisions:

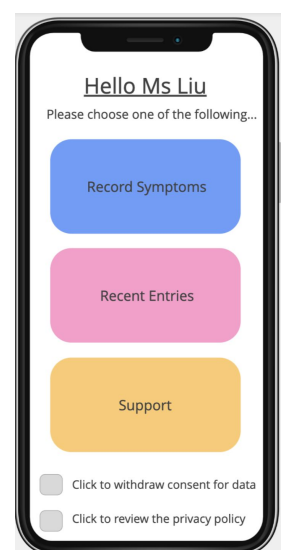
Our proposed revisions include what we uncovered from both the internal and external feedback. We planned to add a new page where the patient first selects a part of the body that is affected to record symptoms for that specific area (pictured right). This revision adds further detail to the data the patient will be recording. We also proposed to include a privacy policy and consent form that must be approved by the user prior to use. We also revised the support page to include support from SAS, support from your community, and additional elements that would provide support for the patient specifically, in this case, Ms. Liu. Other revisions included changes to the format, colours, fonts, etc.



Functionality:

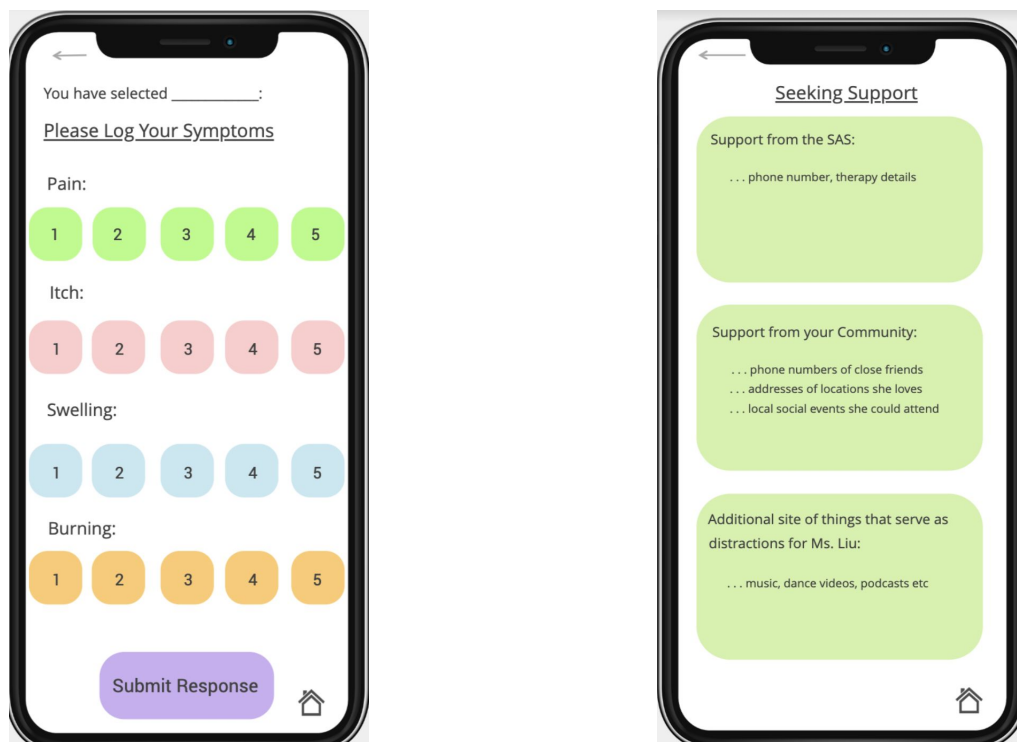
The final prototype that we would have created would have been a functional prototype app using the JustInMind software. This software allowed us to demonstrate the majority of the functionality of our app. It would have begun with a homepage where the user would have been able to select between three options. They would have the option to enter a new entry, revisit previous entries or visit the mental health support page (pictured right). This app would be able to work through the drop and drag prototyper JustInMind. This software uses a combination of coding principles such as conditionals and loop work to perform the desired functions. Hitboxes would be programmed around each selection point to direct the user to the correct page.

If the user selected the new entry page, they would be directed to an image of the body (pictured above). They could then select which localization they wanted to make an entry on. Since we designed this app for Ms. Liu, we chose to put the main locations she experiences pain with as the options. Regardless of which body part the user-selected they would be directed to the same style of the page where they could record their entry and evaluate the pain/swelling, etc. level



they're currently experiencing (pictured bottom left). Once the user submitted their entry, they could go back to the homepage to visit the log of their previous entries. They could do this by selecting the back arrows or the homepage in the bottom right-hand corner of the screen.

Finally, the user could visit the mental health page to seek any sort of emotional support. Again, since we would have specifically designed our app for Ms. Liu, the support page would contain contact information for the SAS if she was looking for any sort of educational support or therapy inquiry. With her consent, we also wanted to attach contact information of her loved ones and potentially photos, music or artwork she likes that could possibly cheer her up if she was going through a hard day (pictured bottom right).



Testing:

In order to test our prototype, we could perform a trial and error similar to a test plan. We could select every option and location on the screen to observe all the outputs and make sure they align with what we intended them to. To ensure that our prototype supports our need statement, we could also have Ms. Liu interact with the app for a period of time to ensure that it does everything she needs it to. Ms. Liu expressed having tried using an app to record data before and experienced a lot of difficulty with the capability of the software. Part of our need statement was to design an app that worked perfectly for her condition and her lifestyle. That said, assuming all the bugs of the app were worked out and we didn't experience any problems, the best way to test our app would be to have Ms. Liu use it and observe if it does what she needs it to.