Sprout

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Sprout **README**

Med-Fi Prototype:

https://www.figma.com/proto/aCPXVxwhwWhiiIQzvE5QbN/sprout-medfi?node-id=387%3A56111&scaling=scale-down

Operating Instructions:

We used Figma for our prototype because it allowed us to design with an iPhone 11 Pro interface, which better simulates how our app will be used in the real world. If you click on any 'blank' space on the interface, bounding boxes (hotspots) will appear, indicating which areas are clickable on that screen. Users should be able to intuitively determine where to click and interact with the app for the most part. A lot of the interactions are tap gestures; however, the 'View Evolution' screen is draggable. In addition, on the 'View Evolution' screen, the buttons will take the user to certain snapshots of the screen, reducing excessive clutter that is possible with

bigger evolution scales. Navigation is done with the back arrow and the bottom tab navigator, which can take the user to certain screens.

Limitations:

One limitation we had was that we weren't able to implement a clickable backdrop when the soundbite popup appears. In the Hi-Fi prototype, we want to make the backdrop clickable so users can close the soundbite popup by simply clicking outside the screen.

In addition, we only included the screens necessary for the tasks to be completed. All possible permutations of the tasks are not possible in the prototype i.e. not all soundbites can be clicked and taken through the task flow. In addition, the only filter genre that works is EDM, and only certain soundbites (namely the top left ones on each page) are clickable.

Another limitation we have is that a user cannot actually click the play button on the soundbites and hear the audio.

Wizard of Oz:

When the user clicks "upload file" or "record", the interface skips to an already uploaded soundbite on the next screen, instead of allowing the user to actually select a file from an upload pop-up or record their own soundbite. This is because all phones (Android, iOS, etc.) have unique files in their system and different upload processes based on their operating system (Android, iOS, etc.).

Hard-coded items:

We currently have no real users or database to store user uploads and provided information about each soundbite. Thus, we hard-coded everything related to the soundbite (itself, pop-up page, updates tree, sound playback util), as well as their "user-provided" information (creator, cover photo, genre, etc.). We also hard-coded filtering options, as it may be too complex to allow users to submit/tag their soundbites with any genre they desire.