

CS 4720 - S17 - Final Project Proposal

Device Name: Kiku Platform: iOS

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App Name: Dream Chronicle

Project Description:

This app, Dream Chronicle, will serve as a combination dream journal and dream organizer, with an emphasis on assisting in the goals of recall and lucidity. As an avid dreamer (and recorder thereof) myself, I've seen and used many helpful tools that aim to help the user achieve these goals, but I have yet to see most of them in one place, and as such I thought it might be helpful to create something that does so. I hope for this app to be of assistance to anyone looking to obtain maximum enjoyment from the nightly escapades we far too often simply let slip from our minds.

What I propose to do is create an app that will do the following:

- The system will allow users to set up a profile page (username, birthday, email, etc) for display.
- The system shall allow users to type up a dream/dreams in the primary page and save them to a database.
- The system shall have a local list of previously saved dreams stored and accessible on the device in addition to the database.
- The system shall allow small drawings to be made and appended to dreams for later viewing.
- The system shall be able to “tag” dreams with user-made labels, and view only those from the list when desired.
- The system shall allow users to post or share their dreams and drawings on an online page or forum.
- The system shall allow users to record audio in order to say their dreams aloud instead of writing them down, if they so wish.
- The system shall be able to play audio from a pre-defined playlist while the user is asleep, assisting in the obtaining of lucidity (by way of binaural beats), getting to sleep (ASMR, meditation tracks), or both. Shaking the system will cease audio playback.

I plan to incorporate the following features:

- Build and consume your own web service using a third-party platform: Firebase will be used to allow users to share their dreams.

- Audio: Audio files will be playable while the user is asleep, and voice recording will be possible.
- Device Shake: A device shake will be used as a signal to stop audio.
- Local database storage: A version of the dream journal will be (potentially) stored in a local database.
- Local preferences: Storage of user name, birthday, for display
- Open shared activity: Sharing of dreams through firebase or text message will be possible.

Wireframe Description:

This wireframe is intended to show the basic layout of Dream Chronicle application. There is a main page, where one may sign in or create an account. Once a user is logged in, they may access one of three main pages through the "Record Dream", "Dream List", and "Sleep Playlist" buttons.

-Record Dream accesses a new page pre-populated with the current date, and presents a blank text box (which will expand and scroll upon being filled), as well as the options to record an audio version of the dream, append a picture, or save and return to the menu. The audio recording option will cause a pop up to appear for recording, while the drawing option will bring up a separate page of blank canvas to doodle upon and save. Saving the dream will bring up an option to "tag" the dream with 0 or many tags, which will appear in the Dream List menu.

-Dream List brings up a reverse chronological order list of previous dreams, with tags given to them visible to the right. A dream can be tapped on to bring up that dream and any associated drawings/audio, and edit/tag it further if so desired. An option to filter by tags is also available at the bottom of the screen.

-Sleep Playlist brings up a pre-loaded playlist of tracks designed to assist in obtaining sleep, obtaining lucidity in one's dreams, or both. It is designed to be used with the user wearing earphone or headphones while they sleep. Beside each track is a checkbox that can be used to indicate the user wants the track on the playlist. There is an option to turn off this feature entirely at the bottom of the screen.