



Sprint 2 Planning Document (Revised)

Team 24: Cristina Corley, Kara Orander, Ishwarya Samavedhi, Ava Schrandt, Mary Voorhees, Caitlin Wilson

Sprint Overview:

For the second sprint, our primary goal is to build off of the features that we implemented last time by adding features to the forum and implementing sleep analysis features. For Sprint #1, we were able to successfully handle sleep session data via Apple's HealthKit API and get started with the basics of the forum. For this sprint, we aim to add even more features to the forum, including allowing users to interact with posts through replies and an upvote/downvote system, and allowing users to receive notifications about related posts. We will also be working on the analysis portion of the user's sleep experience providing visual graphs for the user to see their different sleep stages.

We will also be starting on the Dream Journal functionality for the app, as well as the reward system. By the end of Sprint #2, our goal is to allow users to log their sleep experiences daily via the Dream Journal page, as well as allowing them to view previous journal entries. Additionally, we would like to be able to motivate Serenova app user's to keep improving their sleep habits through an in-app reward system that will notify users when they reach their sleep goals.

Scrum Master: Ava Schrandt

Meeting Plan: MWF @ 12:30

Risks and Challenges:

As this is our second sprint, we anticipate most of our difficulties to come from integrating new user stories into the tasks we completed in the first sprint. This may involve needing to reconfigure some UI structures, data storage/querying etc. Another challenge we expect is how we are planning to efficiently integrate HealthKit HealthStore data with Firebase, as several of our user stories require fetching and storing current sleep data. While after the first sprint most of the team has become more proficient in our chosen IDE environments and languages, working with Firebase and Swift may still pose a potential challenge for the group. Underestimating time needed for the completion of each task may again be a challenge, and therefore careful planning will be necessary for each team member to complete their allotted hours of work. In addition, a risk with many of our user

stories involves the implementation of push notifications, which, while an integral part of many similar applications, we may not be able to implement. The challenge here would be to come up with alternative solutions for this feature.

Current Sprint Details:

User Story #1 (From Sprint 1):

As a user, I would like to be able to manage my account and take actions such as changing my password, deleting my account, and changing my username.

#	Task Description	Estimated Time	Owner
1	Handling backend logic to delete a user from the database when the delete button is clicked in EditProfileView	4hr	Kara
2	Handle backend to delete user from friends in Firestore when delete is clicked	1hr	Kara
3	Add navigation back to the login page when a user deletes their account	1hr	Kara
4	Handle backend logic to make sure desired email is valid and phone number is valid	2hr	Kara
5	Add error checking to make sure the new password, username, etc. are all valid and username is not taken	2hr	Caitlin
6	Add unit tests to check functionality	3hr (each person assigned)	Caitlin

Acceptance Criteria:

- Given that the UI is implemented correctly, when a user is changing their information in the edit profile page, they should see a check mark next to the email, phone number, and password when they are all valid.
- Given that the UI is implemented correctly user should be able to choose to delete their account from the edit profile page

- Given that the backend is implemented correctly, when the user tries to log in to that same deleted account, they will not be able to login.

User Story #2:

I would like to receive in-app rewards for meeting sleep goals.

#	Task Description	Estimated Time	Owner
1	Create UI Page to allow users to view current rewards	3hr	Isha
2	Create reward system	2hr	Isha
3	Setting up database logic and validating the request	1hr	Mary
4	Add unit tests for sleep log reward.	2hr (each person assigned)	Isha, Mary

Acceptance Criteria:

- Given that the rewards UI page works correctly, the user should be able to view the reward criteria regarding meeting the sleep goal they can complete.
- Given that the UI is implemented correctly, when the user clicks on a reward, they should be able to see the description of the goal to be met.
- Given that the home page and rewards page UI is implemented correctly, whenever a user wants to navigate between the two pages, they should be able to click a button on the account page to go to the rewards page, and vice versa.

Testing Criteria:

- Given that the sleep goal reward is set up correctly, if a user logs a sleep in a suitable range of their sleep goal for that day, they will get 20 moons.
- Given that the firebase is set up correctly, the user should see the updated moon count in the reward dashboard

Note about this user story: The condition under which a user wins reward is covered in later user stories

User Story #3:

I would like to be able to receive rewards by using features of the app.

#	Task Description	Estimated Time	Owner
1	Create UI Element for progress bar that automatically updates upon task completion	2hr	Isha
2	Implement a rewards system for using application features.	2hr	Mary
3	Provide users with rewards on completion of preset goals.	3hr	Mary
4	Add unit tests for using application features and achieving rewards.	3hr (each person assigned)	Isha

Acceptance Criteria:

- Given the UI is implemented correctly, a user should be able to view all rewards that they can complete to get reward points (moons)
- Given the UI works correctly, a user can view how much progress they have made towards reward thresholds.
- Given the backend is implemented correctly, when a user completes a goal set by the app, they will obtain a number of moon rewards.

User Story #4:

I would like to share my rewards with my friends.

#	Task Description	Estimated Time	Owner
1	Create UI Feature to be able to display reward points with friends (on Profile Page?)	3hr	Isha
2	Handle backend for making rewards viewable to other users besides the owner.	3hr	Mary
3	Handle backend for removing visibility of rewards for other users besides the owner.	2hr	Mary
4	Add unit tests for viewing rewards by other users.	2hr (each person assigned)	Isha, Mary

Acceptance Criteria:

- Given the UI and backend are set up correctly, rewards by other users should be visible if they are friends.
- Given the UI and backend are set up correctly, rewards by other users should not be visible if they are not friends.
- Given that the backend is implemented correctly, a former friend can no longer view rewards by users that used to be 'friends'.

User Story #5:

I would like to be able to view what my sleep goals are and how much progress I have made to complete them.

#	Task Description	Estimated Time	Owner
1	Create UI Element for progress rings that automatically updates upon task completion	3hr	Ava
2	Handle backend to retrieve sleep goals.	2hr	Kara
3	Connect sleep data from the API.	2hr	Ava
4	Add unit tests for comparing sleep goals to sleep data.	3hr (each person assigned)	Mary

Acceptance Criteria:

- Given that the UI is set up correctly, a user should be able to see their total sleep goals..
- Given that the UI is set up correctly, a user should be able to see their deep sleep goals.
- Given that the API is set up properly, a user should be able to see their own sleep data compared to their sleep goals.

User Story #6:

I would like to be able to write and save a dream journal.

#	Task Description	Estimated Time	Owner
1	Create UI Feature to be able to view a dream journal.	3hr	Ava
2	Handle backend for storing user-written content in a journal in Firebase.	2hr	Ava
3	Implement a feature for storing the date of the journal automatically to Firebase.	1hr	Ava
4	Handle backend for retrieving journal information from Firebase to display in the UI.	2hr	Ava
5	Add unit tests to check if data is stored and retrieved correctly.	2hr	Ava

Acceptance Criteria:

- Given the UI is implemented correctly, a user will be able to open and write into a dream journal.
- Given the backend works correctly, entries a user saves in their dream journal should be saved and viewable after switching pages.
- Given the backend is set up properly, the date a journal is created should be automatically saved and displayed along with the saved journal entry.

User Story #7:

I would like to be able to either delete or edit a journal entry.

#	Task Description	Estimated Time	Owner
1	Create a UI Page for viewing/editing journal details	2hr	Ava
2	Handle backend for saving edits/updating journal entry in Firebase	1hr	Ava
3	Handle backend for deleting post	1hr	Ava
4	Add unit tests for editing and deleting journal entries	2hr	Ava

Acceptance Criteria:

- Given that the UI page for notifications is implemented correctly, user should be able to select edit button, edit the fields of a journal entry, and save the edits
- Given that the UI page is implemented correctly, user should be able to select the delete button when viewing journal details and confirm the deletion via delete entry button.
- Given that the backend is implemented correctly, when the user refreshes the journal page, they should be able to view an updated list of the journal entries based on previously made deletions/edits.

User Story #8 (From Sprint 1):

As a user, I would like to be able to view posts for a forum so that I can receive sleep experiences, tips, advice, and engage in discussions on sleep-related topics.

#	Task Description	Estimated Time	Owner
1	Add unit tests and manual testing to check if the correct posts are showing up.	2 hrs (each person assigned)	Cristina

User Story #9:

I would like to be able to create a forum so that I can engage in discussions on topics that I am interested in.

#	Task Description	Estimated Time	Owner
1	Create UI for viewing different online forums of <u>particular topics</u> .	3hr	Ava
2	Create UI for creating a new forum.	2hr	Ava
3	Handle backend for creating a new forum and displaying it on the UI.	3hr	Caitlin
4	Handle backend for setting the permissions of users on the created forum.	1hr	Caitlin
5	Add unit tests for creating a forum and setting user permissions.	3hr	Caitlin

Acceptance Criteria:

- Given that the UI is implemented correctly, a user should have a button that allows them to create a forum on the forum page.
- Given that the backend is working properly, when a user chooses to create a forum, they are given particular permissions to remove and edit the forum.
- Given that the UI and backend are set up correctly, a newly created forum is now displayed in the app.

User Story #10:

I would like to be able to search the forum for specific posts so that I can receive sleep experiences, tips and advice about sleep-related topics on this forum.

#	Task Description	Estimated Time	Owner
1	Create a UI page to allow users to search for posts based on a set of given criteria.	3hr	Cristina
2	Handle visually showing UI components for each individual post that matches the query	2hr	Cristina
3	Develop an algorithm to search Firebase for Posts based on a single keyword from the user. Implement prefix searching with the keyword.	3hr	Cristina
4	Handle navigation links from forum page to search page, from search page back to forum page, and from search page to individual posts (when clicked)	2hr	Cristina
5	Add unit tests and manual testing to check if the correct posts are showing up.	2 hr	Caitlin

Acceptance Criteria:

- Given that the user interface for the forum page works correctly, when the user goes to click the search button on the top right corner, they should be directed to the forum search page.
- Given the user is on the search forum page, when the user goes to click the cancel button in the top navigation bar, they should be redirected back to the forum viewing page.

- Given that the search query algorithm is implemented correctly, when a user types in a single keyword in the search bar, the relevant posts that contain the keyword as a prefix of any of the words in the title should show up for the user. *(E.g. searching for “Sleep” should match the post title “I am sleepy!” but not “I amsleepy!”)*
- Given that the user interface for the search page is implemented correctly, when a user goes to search for a certain post or topic, they should be able to refine their search based on how recent the posts are, how old the posts are, or by which posts have the most replies.

User Story #11:

I would like to be able to reply to posts on a forum so that I can further the discussion on a sleep-related topic.

#	Task Description	Estimated Time	Owner
1	Create UI for replying to forum posts.	3hr	Cristina
2	Handle backend for storing replies to Firebase.	2hr	Cristina
3	Handle backend for retrieving replies from Firebase to display in the UI.	3hr	Cristina
6	Add unit tests for saving and displaying replies.	3hr	Isha

Acceptance Criteria:

- Given that the UI is implemented correctly, the user should be able to type their reply into a text box and click a button to submit their reply to the forum.
- Given that the backend is implemented correctly, the user should always be able to see their own reply on the specific forum post, even when the user leaves the page and comes back. (Note: pagination may mean the user has to scroll.)
- Given that the backend and UI are implemented correctly to save a reply, the user should be able to view that post, the number of replies, and see their reply among all other replies to that forum post, all including their text content and relative timestamp.
- Given the backend and UI are set up correctly, replies should be ordered by their timestamp, with the oldest at the top and newest at the bottom.

User Story #12:

I would like to be able to upvote and downvote forum posts and replies.

#	Task Description	Estimated Time	Owner
1	Add UI element to upvote/downvote posts and comments	3hr	Cristina
2	Add variables in Firebase to store upvotes and downvotes	1hr	Cristina
3	Store upvote and downvote in firebase every time a new vote occurs	2hr	Cristina
4	Retrieve upvotes and downvotes from firebase when a post appears	1hr	Cristina
5	Add unit tests and manual testing to ensure the likes are properly updated with Firebase and the UI.	3hr	Mary

Acceptance Criteria:

- Given that the UI page is implemented correctly, whenever a User upvotes or downvotes a post, the user's current choice (upvoting or downvoting) should be shown via a color upvote or downvote icon.
- Given that the backend for the upvotes/downvotes feature is implemented correctly, whenever a User upvotes or downvotes a post, the User should be able to see this every time they go to view the post (e.g. if the page refreshes).
- Given that the UI for the upvotes/downvotes feature is implemented correctly, and given that the backend correctly saves each choice, whenever a User goes to view a post, they should be able to see the combined count for the upvotes and downvotes in real-time.

User Story #13:

I would like to be able to manage a forum so that I can make sure posts are restricted to the topic of the forum.

#	Task Description	Estimated Time	Owner
1	Create UI Button to remove a post from a forum.	2hr	Kara
2	Make the UI Button visible only to certain users that have the correct permissions.	2hr	Kara
3	Handle backend to remove the post from Firebase.	3hr	Kara
5	Add unit tests for removing forum posts.	3hr	Isha

Acceptance Criteria:

- Given that the forum post UI is implemented correctly, whenever a user wants to delete a post that they created, they should be able to via the click of a button in the forum detail.
- Given that the backend is correctly implemented, when the remove button is clicked, the post should be removed from the forum and deleted.
- Given that the UI is implemented and user authentication is correctly saved, the remove button on a post should only be visible to those who created that post.

User Story #14:

I would like to be able to send friend requests to selected users to build my own community of friends.

#	Task Description	Estimated Time	Owner
1	Develop UI for sending friend requests.	3hr	Isha
2	Handle backend that sends a request to the selected user.	3hr	Mary
3	Implement a feature that notifies the initiating user of the decision.	2hr	Isha
4	Add unit tests for recording whether another user is added as a friend.	3hr (each person assigned)	Isha, Mary

Acceptance Criteria:

- Given that the UI is implemented correctly to send friend requests, the user should be able to select a specific user on the platform and send them a 'friend request'.
- Given that the UI and backend is implemented correctly, the user that initiated the friend request should receive an in-app notification that tells them if that friend has accepted or denied their friend request.
- Given the UI and backend work properly, when user A is already friends with user B, neither user A or user B can request to be friends with one another a second time.

User Story #15:

I would like to be able to manage my friends requests so that I can control who I am friends with. This includes being able to accept and deny friend requests.

#	Task Description	Estimated Time	Owner
1	Create a UI page that displays a user's friend requests, giving the options to accept or deny.	3hr	Kara
2	Create new collections and documents in Firestore for friends, friend requests, and own requests	2hr	Kara
3	Backend to add user to Firestore friends collection on SignUp	1hr	Kara
4	When the user clicks accept, add that friend to their list of friends in Firebase and the friend array in User class	2hr	Kara
5	Handle backend that sets the user to "friend" if accepted.	2hr	Kara
6	When the user clicks deny, remove that friend from the list of requests.	2hr	Kara
7	Add unit tests for friend permissions and request permissions.	3hr	Kara, Mary

Acceptance Criteria:

- Given the UI and backend are implemented correctly, the user should be able to see their list of friend requests.
- Given the UI works properly, when the user hits accept or deny, that request should be removed from the list of friend requests.

- Given that the backend is implemented correctly, when the friend request is accepted, that friend should be set as a “friend” in the initiating user’s and the friend’s database.
- Given the backend works correctly, if the user accepts a friend request, that friend should be added to their list of friends.

User Story #16:

I would like to be able to block certain users so they cannot see my posts or add me as a friend.

#	Task Description	Estimated Time	Owner
1	Implement a feature that marks other users as “blocked.”	2hr	Caitlin
2	Handle backend so a blocked user cannot see the blocker’s content.	2hr	Caitlin
3	Handle backend so that a blocked user cannot friend the blocker.	1hr	Caitlin
4	Implement a feature that allows a user to unblock other users that are marked as “blocked.”	1hr	Caitlin
5	Add unit tests for blocking and unblocking users.	3hr	Caitlin

Acceptance Criteria:

- Given the UI is implemented correctly, a user should be able to block a user profile via button
- Given the UI is implemented correctly, a user should be able unblock another user via the same button they used to block initially.
- Given that the backend is correctly implemented, a user should be unable to view blocked user’s profile.

User Story #17:

I want to be able to view articles for improving sleep quality.

#	Task Description	Estimated Time	Owner
1	The Home page UI should have articles the user can scroll through	3hr	Isha
2	The user should be able to see the title of each article and an associated description	2hr	Caitlin
3	The firebase should be able to handle data with the links to different articles and display them to the user	3hr	Caitlin
4	When the user clicks on an article, it should redirect the user to the article's webpage	1hr	Caitlin
5	The firebase should keep track of which articles a user has read	2hr	Caitlin
6	Add unit tests for making sure the UI works and correctly shows the articles to the user.	3hr	Caitlin

Acceptance Criteria:

- Given the UI page is implemented correctly, users can scroll through sleep articles on the homepage.
- The user should be able to preview different articles related to sleep. This preview should include the title of the article and a description of the article.
- When the user clicks on the preview, they should be redirected to the webpage hosting the article.
- The database should store the article links and information and keep track of which articles a user has read.

User Story #18 (From Sprint 1):

As a user, I would like to be able to manually log my sleep times.

#	Task Description	Estimated Time	Owner
1	Send User's sleep data sample to Firestore Database	1 hr	Ava
2	Create alert notification for sleep session	1 hr	Ava

Acceptance Criteria:

- The User's manually logged sleep data should be seen in the application along with data recorded by device via HealthKit

User should receive in-app alert with details of sleep session that has been logged

User Story #19:

Use sleep analysis data to calculate a “sleep score” based on my duration of sleep and any times I was awake during the night.

#	Task Description	Estimated Time	Owner
1	Create UI element for viewing current sleep score	2hr	Ava
2	Create algorithm for calculating sleep score	1hr	Ava
3	Get current sleep score from User sleep data	1hr	Ava
4	Add unit tests for sleep scoring (each)	3hr	Caitlin

Acceptance Criteria:

- Given that the backend algorithm is implemented correctly to calculate a user's sleep score based on sleep duration and quality (i.e. deep, light, core, and REM sleep), a user should receive a unique sleep score every morning or after.
- Given that the UI is implemented correctly, the user should be able to see their calculated sleep scores each day by navigating to the sleep score page from the home page.
- Given that the backend is correctly implemented, whenever a User goes to their home page, they should be able to get their accurate/saved sleep score no matter what time of day it is, and regardless of whether the app was closed or not.

User Story #20 (From Sprint 1):

I would like to be able to set sleep duration goals.

#	Task Description	Estimated Time	Owner
1	Handle backend to save user sleep goals.	30min	Mary
2	Handle backend logic that will retrieve user sleep goals.	30min	Mary

Acceptance Criteria:

- Given the backend is implemented correctly, when the user inputs their current sleep goals, the sleep goal data will be stored and available for later use.

User Story #21 (From Sprint 1):

As a user, I would like a page that shows me a graph detailing how much sleep I got each day over the past month.

#	Task Description	Estimated Time	Owner
1	Handle backend logic that will query the database for the user's sleep logs by the specified month.	1 hr	Cristina
2	Develop an algorithm to calculate the total amount of sleep the user got per day of the specified month. This is necessary if there can be multiple sleep logs per day.	2 hr	Cristina
3	Handle backend logic that will work with Swift Charts to plot the data for display.	1 hr	Cristina

Acceptance Criteria:

- The user should be able to see a chart of their sleep logs for the past month
- The user should be able to see how much sleep they got each day over the last month
- Given that the UI is implemented correctly, the user should be able to interact with the bar graph by selecting the different columns. Each column should give them the total hours of sleep for that day.

Total Hours for Sprint #2 by Team Member

Team Member	Total Hours
Cristina Corley	25 (Sprint #2) / 6 (from Sprint #1)
Kara Orander	26 (Sprint #2) / 6 (from Sprint #1)
Ishwarya Samavedhi	34 (Sprint #2) / 0 (from Sprint #1)
Ava Schrandt	30 (Sprint #2) / 2 (from Sprint #1)
Mary Vorhees	29 (Sprint #2) / 1 (from Sprint # 1)
Caitlin Wilson	30 (Sprint #2) / 5 (from Sprint #1)

Product Backlog

- Sprint 1 Completed Tasks in blue

1.1 Functional Requirements

1.1.a Login and Account Info

As a user,

- ☒ I would like to be able to create a unique login username and password to keep my own personal information safe and secure.
- ☒ As a user, I would like to be able to log into the account I've created.
- ☒ I would like to be able to reset my password if I am not currently logged in with a forgot password option.
- ☒ I would like to be able to view my account profile.
- ☒ I would like my account to display and save any personal content including my app settings, past sleep data, login information.
- ☒ I would like to be able to manage my account while logged in and take actions such as changing my password, deleting my account, and changing my username.
- ☒ I would like to be able to personalize my profile with an account photo, name, and color scheme.

1.1.b Sleep Log

As a user,

- ☒ I would like to be able to manually log my sleep times.
- ☒ As a user who owns a smart watch, I would like to automatically sync my device with the app so that I can see my sleep duration, quality and patterns.
- ☒ I would like a page that shows me a graph detailing how much sleep I got each day over the past month.
- ☒ I would like to be able to set sleep duration goals.
- ☒ I would like to receive in-app rewards for meeting my sleep duration goals.

- ☒ I would like to be able to see my in-app rewards.
- ☒ I would like to be able to track my reward progress.
- ☒ I would like to share my rewards with my friends.

1.1.c Alarm

As a user,

- ☒ I would like to have an alarm that can wake me up during my lightest sleep phase every morning.
- ☒ I would like to receive a reminder to wind down and begin my bedtime routine every night based on my desired and recommended sleep schedule each day.

1.1.d Historical Sleep Analysis

As a user,

- ☐ I would like to be able to observe my sleep environmental conditions such as room temperature, noise levels, and light exposure.
- ☒ I would like the app to use values from this graph, my sleep stage durations, and my sleep duration to calculate a “sleep score” based on my duration of sleep and any times I was awake during the night.
- ☒ I would like to see what percentage of my sleep was deep, REM, or light sleep and the duration of my deep, REM, and light sleep.
- ☒ I would like a page that shows a sleep analysis in the form of a graph based on my sleep score and durations.
- ☒ I want to be able to see a long-term comparison analysis of my sleep patterns by duration and sleep score.

1.1.e Chatbot

As a user,

- ☐ I would like to be able to interact with an online chatbot with a chat interface.

- ☐ I would like to be able to get accurate answers to my questions and queries from the chatbot.
- ☐ I would like the chatbot to offer information about healthy sleep patterns and provide tips on improving sleep quality.
- ☐ I would like any chatbot to specialize in this app, and only provide information regarding my sleep and features this app has.
- ☐ I would like the chatbot to learn from my preferences and improve its recommendations over time.
- ☐ I would like to be able to use the speech-to-text option to interact with the chatbot.

1.1.f Community Forum

As a user,

- ☒ ~~I would like to be able to send friend requests to selected users to build my own community of friends.~~
- ☒ ~~I would like to be able to manage my friends requests so that I can control who I am friends with. This includes being able to accept and deny friend requests.~~
- ☒ ~~I would like to be able to create a forum so that I can engage in discussions on topics that I am interested in.~~
- ☒ ~~I would like to be able to manage a forum so that I can make sure posts are restricted to the topic of the forum.~~
- ☒ ~~I would like to be able to create posts for a forum so that I can share sleep experiences, tips and advice about sleep-related topics on this forum.~~
- ☒ ~~I would like to be able to view posts for a forum so that I can receive sleep experiences, tips, advice, and engage in discussions on sleep-related topics.~~
- ☒ ~~I would like to be able to reply to posts on a forum so that I can further the discussion on a sleep-related topic.~~
- ☒ ~~I would like to be able to search the forum for specific posts so that I can receive sleep experiences, tips and advice about sleep-related topics on this forum.~~

- ☒ ~~I would like to be able to upvote and downvote posts and replies.~~
- ☒ ~~I would like to have a notifications page where I can learn about any interactions that my posts and replies are generating.~~
- ☐ I would like to receive notifications about any one-to-one chats or group chats that I am in.
- ☒ ~~I would like to be able to see forums of various topics, with each forum's content restricted to only covering its particular subject.~~
- ☐ I would like to have a direct messaging system to communicate with one user at a time.
- ☐ I would like to create a new one-on-one chat.
- ☐ I would like to be able to manage and/or delete any one-on-one chats.
- ☐ I would like to add a friend to a one-on-one chat.
- ☐ I would like to create a group chat.
- ☐ I would like to be able to manage and/or delete any group chats.
- ☐ I would like to add friends to a group chat.
- ☐ I would like to be able to directly message multiple users in a group chat.
- ☐ I would like to be able to send images from my phone in messages in one-on-ones and group chats.
- ☐ I would like to be able to see the time that I sent a message or a friend sent a message in a chat.
- ☒ ~~I would like to be able to block certain users so they cannot see my posts or add me as a friend~~

1.1.g Dream Journal

As a user,

- ☐ I would like to have a separate page where I can post my dream journal to a public page for other users to view.

- ☒ ~~I would like to have a page where I can write down and reflect on my dreams before posting to the dream journal.~~
- ☐ I would like to be able to save a dream journal as a draft to come back to later.
- ☐ I would like to be able to discuss my dreams with others in a comment-style.
- ☐ I would like to share my own comments, thoughts, and dream journals exclusively with my in-app friends.
- ☐ I would like to be able to change settings on my dreams journals, so I can choose to make them public, private, or only available to friends.
- ☐ I would like to tag multiple friends in my dream journals when I post them.
- ☐ I would like to tag multiple friends in my dream journals after I have already posted them.
- ☐ I would like to remove a tag on a dream journal after I post it.
- ☐ I would like to search for dream journal post tags in the forum.
- ☐ I would like the app to provide a summary of recurring themes I have been seeing in my dream.

1.1.h Personalized Recommendations and Meditation

As a user,

- ☐ I would like to receive personalized tips and recommendations based on my sleep data and habits and see any suggestions for my sleep cycle.
- ☐ I would like to see any suggestions or insights into my sleep cycle.
- ☒ ~~I want to be able to view articles for improving sleep quality.~~
- ☐ I want to be able to view videos, and tips on sleep hygiene, the science of sleep, and strategies.
- ☐ I would like to be able to have options to connect with sleep specialists and/or healthcare providers.

- ☐ I would like to have access to relaxation techniques, such as guided meditations, breathing exercises, and ambient sounds. I would also like some of these relaxation techniques to be recommended to me based on my profile.