

Project Overview

The project entails developing a journaling app that effectively uses AI to create tools and functionalities that are useful to the user. These include a mood analyzer, a prompt generator, and incentives to keep the user consistent. Overall the app should feel like a beneficial tool to the user's day.

The overall impact of the journaling app should assist users in staying consistent with their entries while supplying them with the appropriate means of doing so effectively. The app will best suit people interested in trying to find their perfect journaling medium as well as encourage beginners interested in journaling to give it a try.

Software

- Xcode
 - IDE created by Apple for IOS app development
 - <https://developer.apple.com/xcode/>
- Swift
 - High-level compiled programming language created by Apple for the development of all IOS applications
 - <http://tinyurl.com/2v4uynzb>
- Interface Builder
 - A toolset that is part of Xcode used for Graphical User Interfaces
- Adobe Illustrator
 - A vector graphics interface used for developing images
 - <https://www.adobe.com/products/illustrator.html>
- Notion
 - A productivity and note-taking application. We will use it for task and project management
 - <https://www.notion.so/>
- Visual Studio Code
 - A code editor with extensions allowing it to be used for a wide variety of development
 - This will be used for small corrections and any work not directly pertaining to Swift
 - <https://code.visualstudio.com/>
- OpenAI's GPT-3.5

- Using GPT-3 API to look over journal entries for keywords to describe how a person is feeling
- To use the API tokens need to be dispensed. You're allotted a certain amount of free tokens and once they're gone more can be purchased
- Input tokens cost \$0.0015 per thousand
- Output tokens cost \$0.0020 per thousand
- CoreData
 - Used for local storage
 - <https://developer.apple.com/documentation/coredata/>
- Testflight
 - Testing service for IOS applications
 - <https://developer.apple.com/testflight/>

Aims and Objectives

The goal of our journaling app is to aid users in their journaling journey and encourage daily use. Two of the most common issues when it comes to journaling are consistency and lack of something to write about. Daily use will be achieved through the use of incentives and visualizing the moods stemming from previous entries with the help of AI. The lack of subjects to write about will be solved via prompts and questionnaires.

Milestones

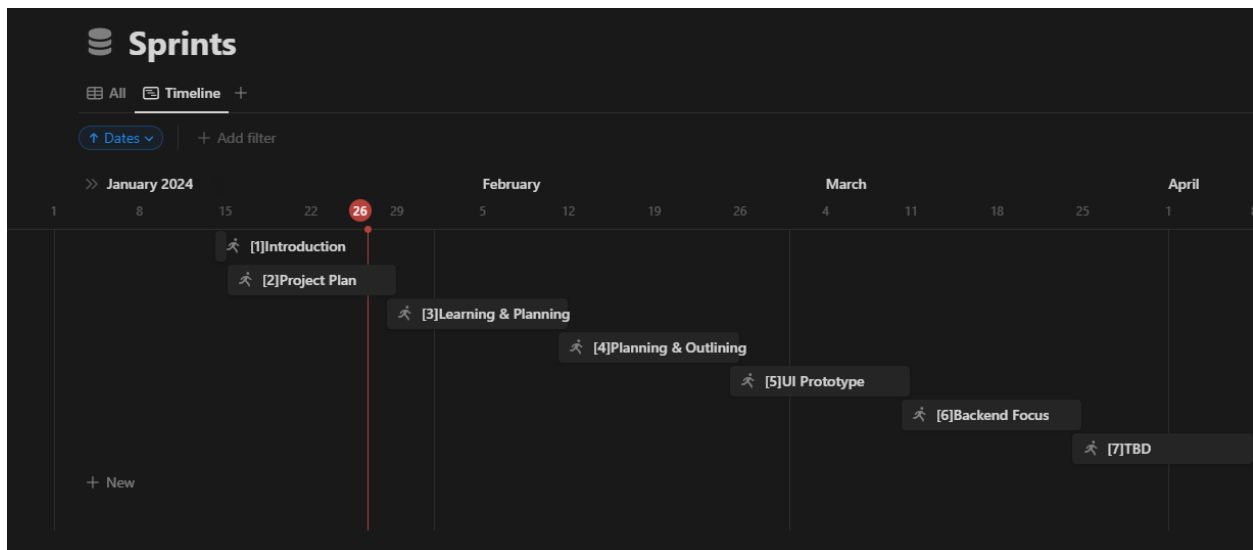
- Educate ourselves on Swift and XCode
- Develop the first iteration of UI
- Allow for back-end storage of journal entries and prompts
- AI integration
- Polish

Additional Goals


- iPad OS version
 - Apple Pencil support
- iCloud support

Plan and Timing

Further detailed planning will be established within sprint 3 and 4 as we will have a better understanding of what we are going to be capable of in certain periods of time as well as have a lot more informed decisions on clear and static milestones. The plan outlined below is subject to change however at this point these are some of the initial focuses/goals in the first few sprints. As for the finish date, we plan on using all the given time to develop the best possible product.





[3] Learning & Planning

 Sprint status

• Next

 Dates

January 28, 2024 → February 11, 2024

  Completed tasks


Empty




✓ 2 more properties

 Add a comment...

➤ Add Tasks

 By status

 By assignee

• Not started 0

+ New

• In progress 0

+ New

• Done 0


+ New

► Planning notes

Learning & Planning

- Become familiar with X-Code environment
- Start learning the basics of Swift
- General project outline

[4]Planning & Outlining

 Sprint status

• Future


 Dates

February 11, 2024 → February 25, 2024


 Completed tasks


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 By status

 By assignee

• Not started 0

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► Planning notes

Planning & Outlining

- Choose and research third party resources
- Finalizing functionality
- UI outline


[5]UI Prototype

 Sprint status

• Future


 Dates

February 25, 2024 → March 10, 2024


 Completed tasks

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✓ 2 more properties

 Add a comment...

➤ Add Tasks

 By status ▾

• Not started 0

+ New

• In progress 0

+ New

• Done


+ New

► Planning notes

UI Prototype

- Basic UI elements implemented
- Capable of navigating all the pages in the app


[6]Backend Focus

 Sprint status

• Future

 Dates

March 10, 2024 → March 24, 2024


 Completed tasks

Empty

✓ 2 more properties

 Add a comment...

➤ Add Tasks

 By status ▾

• Not started 0

+ New

• In progress 0

+ New

• Done

+ New

► Planning notes

Backend Focus

- Start backend construction
- Implement local data storage
- Link UI prototype with backend

Unknowns

- Developing with an AI API and not being capable of meeting our AI-specific goal
- Not adhering to our set scrums and failing to meet milestones
- Unforeseen struggles with developing for IOS since we both don't have any prior knowledge