

Month 1 Plan

- ☐ Learn about APIs and SDKs
- ☐ Develop timeline functionality
- ☐ Sort them by timeline and display them in a formatted table view/collection view)
- ☐ Research on search feature

Role Assignment:

- ☐ Project Manager: Will Ma
- ☐ Developer: Xiaowen Ma, Andy Wang
- ☐ Tester: Andy Wang

Week 1 (Feb 15 - Feb 21)

Group Tasks:

1. Research and learn about front-end SDKs (IGListKit, DCFrame)
 - a. Evaluate learning cost for both SDKs and decide which one to use
 - b. Complete a dummy version of ***Timeline*** as a study demo using the SDK
2. Research and learn about Core Data and CloudKit
 - a. Construct a data structure for saving user data
 - b. Do basic testing using Core Data + CloudKit as a study demo

Personal Tasks:

Will Ma

- ☐ Research and learn about Core Data and CloudKit
- ☐ Design data structure

Andy Wang

- ☐ Research and learn about IGListKit, DCFrame
- ☐ Install pods in the local environment

Xiaowen Ma

- ☐ Learn about MVVM structure
- ☐ Research and learn about IGListKit, DCFrame and CloudKit

Week 2 (Feb 22 - Feb 28)

Group Tasks:

1. Design & Revise the user interface for ***Timeline*** using the selected SDK
2. Update ***Timeline*** based on the dummy demo and **integrate with real data**

Personal Tasks:

Will Ma

- ☐ Research about competitor applications

Andy Wang

- ☐ Test with manual data input
- ☐ Construct the MVVM structure for ***Timeline*** page

Xiaowen Ma

- ☐ Coding about getting data from CloudKit
- ☐ Fit the data into the user interface

Week 3 (Mar 1 - Mar 7)

Group Tasks:

1. Continue with getting and **updating** data with Core Data and syncing with CloudKit
2. Design the detailed entry page
3. Implement add/delete entry feature

Personal Tasks:

Will Ma

- ☐ Adjust functionality and development plan
- ☐ Review progress and adjust tasks if needed

Andy Wang

- ☐ Create the detailed page outline
- ☐ Test with dummy data or real data if time permits

Xiaowen Ma

- ☐ Coding about getting data from detailed entry page
- ☐ Updating data into Core Data and CloudKit