

# Sprint 1 Plan - Planetarium

## Scrumbags

Sprint Completion 10/24/2023, Revision 3, 10/23/2023

## Goal

Create the basic and foundational functionality and UI for the application. Establish infrastructure and get familiar with Flutter and Firebase.

## Task Listing

Check [here](#) for the most up to date view.

As a user, I want to be able to....:

1. see my inputted information when I reopen the app so that I do not need to keep it open - 11h
  - a. Create a Firestore Database - 1h
  - b. Add proper rules to the database - 1h
  - c. Add user authentication to track user accounts - 2h
  - d. Create a data format for tasks in the database - 1h
  - e. Create a class in Dart to represent tasks - 1h
  - f. Create a data format for events in the database - 1h
  - g. Create a class in Dart to represent events - 1h
  - h. Create basic unit tests for the database - 2h
  - i. Create methods to read user data from the database into memory upon app launch - 1h
2. create tasks so that I can see what my tasks are - 9h
  - a. Create a new Widget on the UI to accept new tasks - 2h
  - b. Display tasks in daily view - 2h
  - c. Display tasks in weekly view - 2h
  - d. Display tasks in monthly view - 2h
  - e. Create methods that save a task object to the database - 1h
  - f. Link the UI Widget to the new method - 0h

3. change properties of a task so that I can mark them as completed, move to another date, etc - 7h
  - a. Add UI for swipe left on a task Widget - 1h
  - b. Add UI for swipe right on a task Widget - 1h
  - c. Add UI for double tap on a task Widget - 1h
  - d. Add UI for holding down on a task Widget - 1h
  - e. Add UI for moving tasks to different times on the timeline - 2h
  - f. Add getters and setters to Task class to update their attributes - 1h
4. create events so that I can see what my events are - 9h
  - a. Create a new Widget on the UI to create new events - 2h
  - b. Display events in daily view - 2h
  - c. Display events in weekly view - 2h
  - d. Display events in monthly view - 2h
  - e. Create methods that save an event object to the database - 1h
  - f. Link the UI Widget to the new method - 0h
5. change properties of an event so that I can give them details about location/time/etc - 4h
  - a. Add UI for moving events to different times on the timeline - 3h
  - b. Add getters and setters to Event class to update their attributes - 1h
6. switch between time windows so that I can plan for the short, medium and long term as needed - 7h
  - a. build the screen for the daily view - 1h
  - b. build the screen for the weekly view - 1h
  - c. build the screen for the monthly view - 1h
  - d. add UI buttons and swipes at the top - 2h
  - e. implement buttons that change the current view - 2h
7. view the current event so I can quickly see and take note of what is happening - 7h
  - a. Add check to see if the current time overlaps with an event - 0h
  - b. Create a new UI Widget to indicate an event that is currently happening - 2h
  - c. Link the check to the Widget - 0h
  - d. Add a progress bar to the new widget - 2h
  - e. Implement a button making the widget take you to the event view - 1h
  - f. Add a progress bar to the event view UI - 2h

## Team Roles

Steven Xue - Backend developer

Liam Xu - Frontend developer

Andrew Hu - frontend developer, backend developer

Andrew Yegiayan - backend developer

Cheng Wai Chong - frontend developer

## Initial Task Assignment

Cheng Wai Chong - US2, Create daily/weekly/monthly UI view

Liam Xu - US2, create daily/weekly/monthly UI view

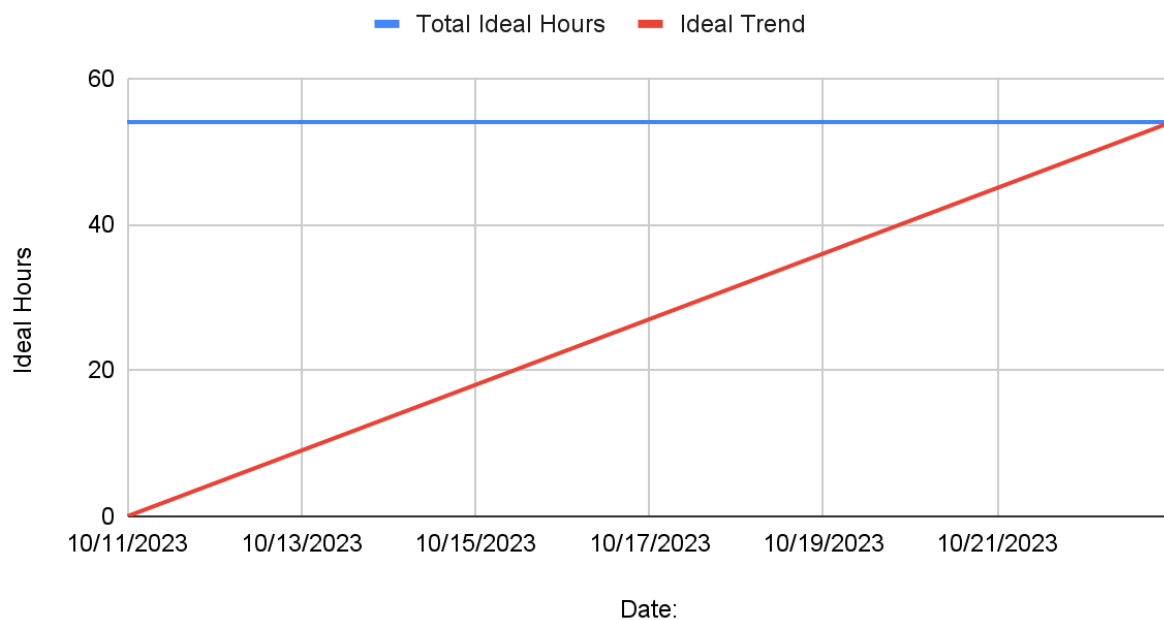
Andrew Yegiayan - US1, Create a local database

Steven Xue - US1, Create a local database

Andrew Hu - US2, Create a data format for tasks in the database

## Initial Burnup Chart

### Sprint 1 Burnup Chart, Plannertarium



# Initial Scrum Board

Projects / Plannertarium

## Plannertarium Sprint 1

Get past spikes, deal with infrastructure, and put the basic framework for the application in place

A AY S LX Invite Type ▾

USER STORIES 3	TASKS NOT STARTED 10	TASKS IN PROGRESS	TASKS COMPLETED ✓
<div>US: I want to manage my tasks and events separately so I do not get confused between what my tasks are for the day and what are my scheduled events PLANNER-4 5</div> <div>US: I want to have control over the time window (weekly/daily etc.) so I can see however much detail I desire PLANNER-1 4</div> <div>US: I want a view of the current events so I can quickly see and take note of what is happening PLANNER-5 3</div>	<div>Create daily/weekly/monthly UI view ✓ PLANNER-21 UX</div> <div>Create a view for the current event that displays some information ✓ PLANNER-22</div> <div>Create local database ✓ PLANNER-24 AY</div> <div>Create basic unit tests for the database ✓ PLANNER-27 AY</div> <div>Add way to navigate to the view of the current event ✓ PLANNER-28</div> <div>Create data format to use with the database ✓ PLANNER-29 AY</div> <div>Create options for events ✓ PLANNER-30</div> <div>Differentiate events and tasks on the UI ✓ PLANNER-31</div> <div>Add task support to database ✓ PLANNER-32 S</div> <div>Add event support to database ✓ PLANNER-33 S</div>		

## Scrum Times

Monday 12:15pm

Wednesday 6pm

Friday 6pm