

# Project Pitch: Bullet Journal

## Team 24 - Good Mighty Engineers

**Professor:** Thomas A. Powell

**Team Advisor:** Deepak Karki

### Members:

Shane Valderrama - Leader

Vardhan Agarwal - Leader, Developer

Younghyun Kim - Designer

Emma Yuan - Developer

Ly Nguyen - Developer

Nicholas Masumoto - Developer

Prashanth Rajan - Developer

Aneesha Ramaswamy - Documenter

## Problem/Statement of Purpose

In a busy world, people often forget to do tasks because there is no visual reminder to keep them on track. The phrase “Oh no, I forgot!” is commonly said and represents a widespread problem among everyone in society. In a single quarter, students are given assignments, tests, and due dates every day for three months straight. They also have to balance multiple courses at a time and remember when each assignment is due for which course. It can become stressful when students suddenly remember an assignment due in a few hours that they forgot to complete in the midst of their busy schedule. Students are definitely not the only ones experiencing this hectic cycle of constant tasks and planning. All occupations face the same challenges. In a work setting, people are given countless tasks over the course of a week. If they miss an important deadline, it could potentially cost them their jobs. The same organization problem applies to event or project management, scheduling appointments and meetings, keeping track of goals, and any other information people wish to keep note of. This then creates a strong need for a tool that provides the desired organization, task management, and overall planning of information.

## Appetite/Timeline

Three sprints across five weeks.

### Sprint 1 (1 week)

- Set up environment and code structure
- Implement the home page

### Sprint 2 (2 weeks)

- Implement the daily log
- Implement the monthly log
- Implement the navigation bar
- Implement the index

### Sprint 3 (1 week)

- Implement the future log
- Implement custom collections

## User Personas

1) **Name:** Olivia Rodrigo

**Age & Gender:** 21, Female

**Occupation:** Software Engineer Intern

**Hobbies:** Weightlifting, tennis, singing, painting, hanging out with friends

**Devices Used:** Desktop, Laptop, iPad, iPhone

**User Story:** At her current internship, Olivia is given a lot of difficult tasks that she thinks should be broken down into sub-tasks. This would make it easier for her to create a development timeline and increase productivity when she sees all her tasks laid out. She also wants to document her progress in the internship program and working out goals in order to see her progress over time. As a sociable and extroverted person, Olivia loves going on trips with her friends but finds it difficult to remember all the locations she wants to go in each city or country.

**Use Case:** Olivia uses monthly logs to plan out what tasks should be completed in a specific month and daily logs to break down those tasks into smaller sub-tasks and steps that are doable in one day. She also uses future logs to write down her career and exercising ambitions. For example, in the next three months, Olivia wants to achieve a bench press of 120 lbs and get promoted in her workplace. Another useful feature for Olivia is creating custom lists because she can share a list of places to go to on the trips with her friends.



2) **Name:** Charles Johnson

**Age & Gender:** 24, Male

**Occupation:** Community College Student

**Hobbies:** Basketball, Biking, Reading, Hikes

**Devices used:** iMac, iPhone, iPad, Microsoft Surface

**User Story:** Charles has struggled with planning out when school assignments are due and is looking for a way to pass his final community college classes so that he can start working toward getting a 4-year degree from a university. Charles needs something that will help him keep track of when his classes are, when his assignments are due, and when he has any tests coming up so that he can study for them.



**Use Case:** Since Charles is looking to finish up community college and move onto a university, he not only needs to keep information important for passing his classes, but to also keep track of deadlines of when to submit different things to apply for universities. He will be able to write down the main ideas that he learned each day in the daily logs so that he will be able to look back at what he needs to study more easily. Also, he will be able to have deadlines for university applications set up months in advance, so he will be able to see how long he has for each task. When the deadline gets closer, he will be able to see how many more days until the deadline through the Monthly Logs.

3) **Name:** George Sherman

**Age & Gender:** 35, Male

**Occupation:** Part time student/Musician

**Hobbies:** Piano, flute, guitar, watching anime

**Devices used:** Google Pixel, HP Envy x360



**User Story:** George is very busy with his part time role as a student and a job as a musician. He needs a way to organize these different parts of his life so that he can keep track of both school related activities and gigs he gets as a musician. He also needs to have a flexible method to move around tasks/events as they are constantly changing.

**Use Case:** George wants to set up goals for him to learn new instruments so he can use the Future Log to keep track of the plans. He wants to add the reminders of his music lessons everyday. He needs to keep track of deadlines and keep up with school. He needs a practice log to help gauge his progress. George wants to keep track of a list of songs he needs to learn so he can use a custom collection.

## Solution

Our proposed solution is an easy way to keep track of all tasks, reminders and events so all goals are met and no deadlines are missed. Our solution is a super intuitive Bullet Journal. Our Bullet Journal would allow users to add Daily Logs so that they can refer back to the significant events of a given day, such as what they learned in class, how much work they got done etc. For a higher level view of significant events, our bullet journal would also allow users to zoom out and view logs on a monthly basis. Users would also be able to create Custom Lists if they need a list dedicated to a certain part of their life. This could be to track

progress in the gym, keep a list of songs yet to learn, or even a simple grocery list. All entries would be easy to add to, easy to edit, and easy to mark as done (if needed).

## Fat Marker Sketch

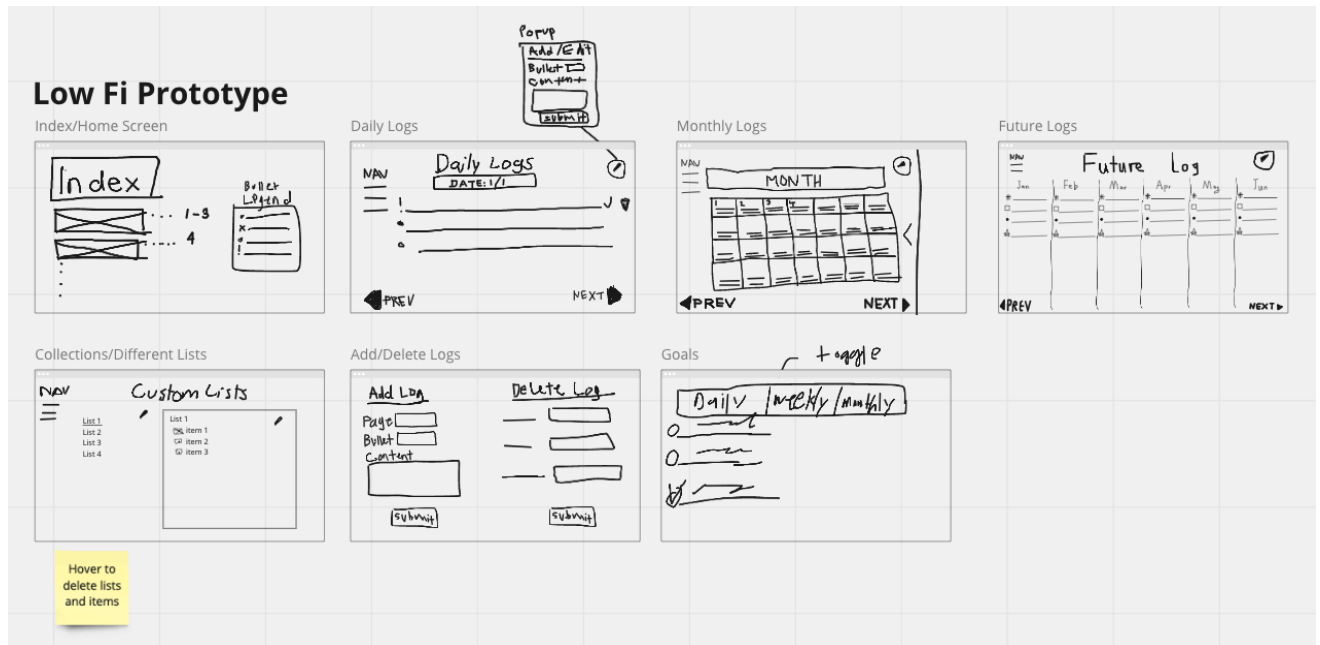


Figure 1: Lo-fi Prototype of Bullet Journal

## Wireframes

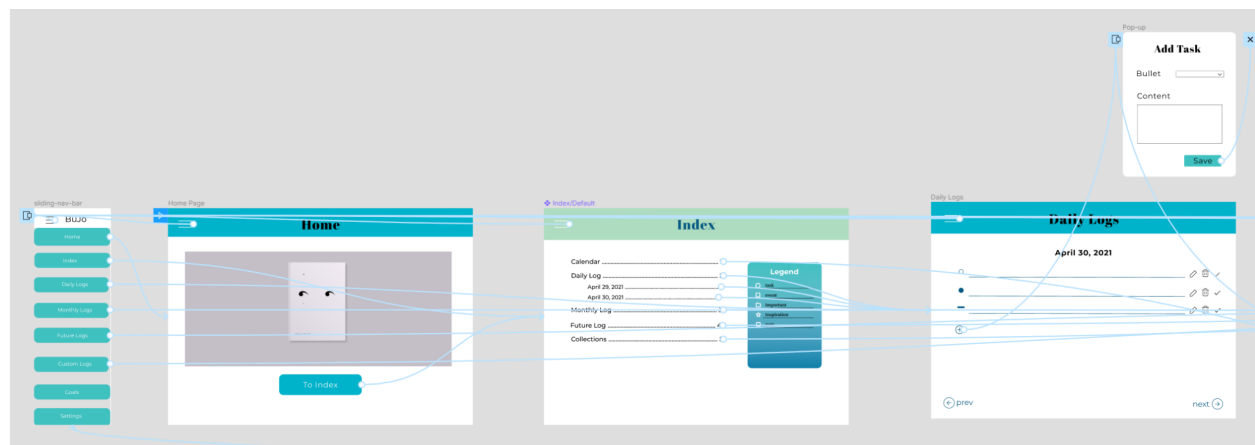
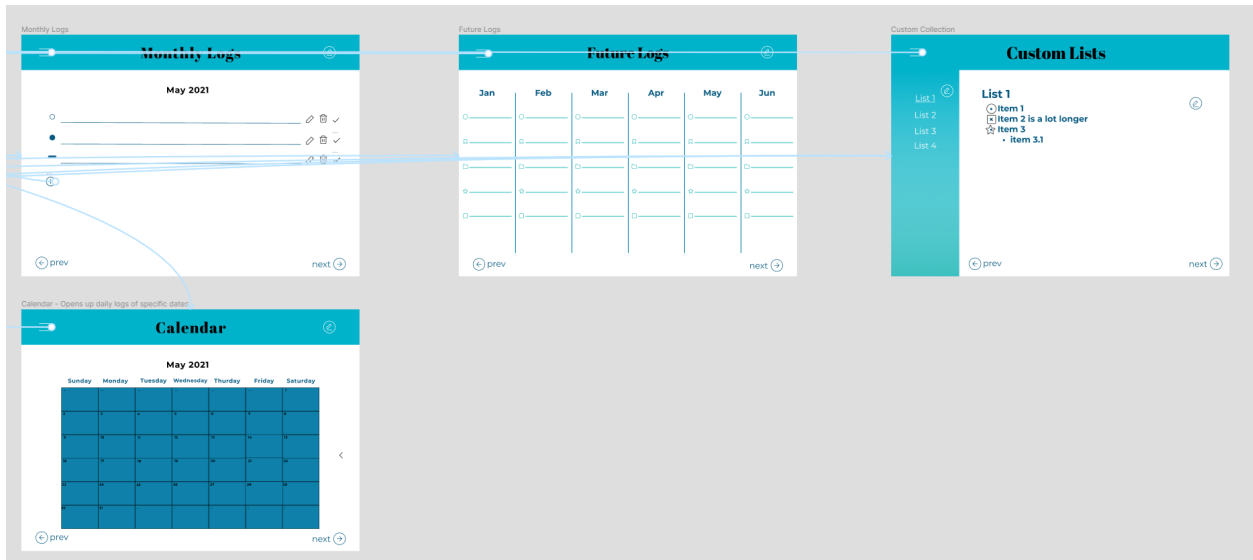


Figure 2: First half of Hi-fi Prototype with wireframes attaching each page

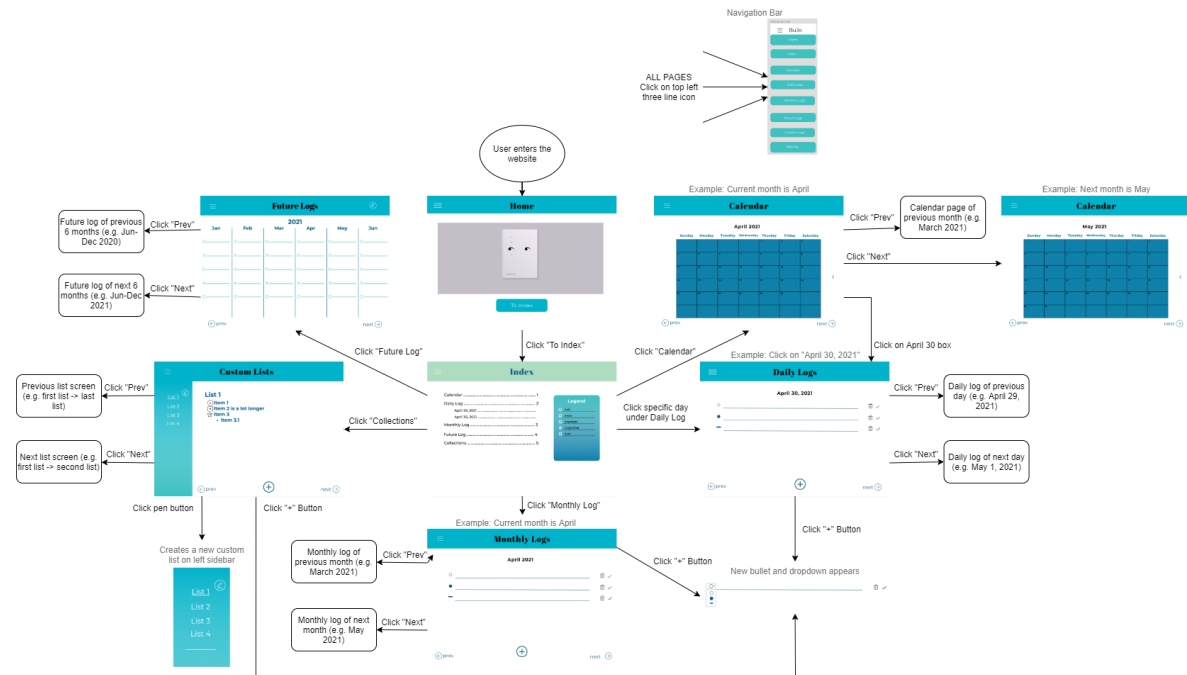


**Figure 3:** Second half of Hi-fi Prototype with wireframes attaching each page

### Link to Hi-fi Prototype with Wireframes:

[https://www.figma.com/file/a5zjAvX3WxXlz0VJUwpXgG/Bullet-Journal-Wireframes?node-id=0%3](https://www.figma.com/file/a5zjAvX3WxXlz0VJUwpXgG/Bullet-Journal-Wireframes?node-id=0%3A1)

[A1](#)



### Link to Systems Diagram:

<https://github.com/cse110-sp21-group24/cse110-sp21-group24/blob/main/specs/pitch/sysdiagram.d>

[rawio.png](#)

# Risks and Rabbit Holes

Due to time constraints, we will not be able to implement every feature to the full extent we were interested in during the brainstorming process. So, if they do not fit within our appetite, they will be dropped from further development.

## 1. Customization

- Allowing the user to add decorative elements such as stickers to pages of the journal
- Allowing the user to change the color theme/palette of the journal
- Allowing the user to change the cover picture of the journal
- Custom bullet types
- Reasoning: This is a rabbit hole in the sense that there are many customization options that could potentially be implemented, so it is important to keep in mind which features add the most value and functionality to our product.

## 2. Accessibility

- Text to speech
- Voice Notes
- Multiple Language Support
- Reasoning: These features would ideally be implemented to promote inclusivity and usability, however they do not add to the core functionalities of a bullet journal. We need to prioritize a feasible, finished working app over enhancement features.

## 3. Security

- Encrypting sensitive information in the journal
- Safely storing journal contents
- Reasoning: Our team has little experience with security in applications, so if it takes too much time to learn and implement, these features will have to be dropped.

# No Gos

## 1. Animations, limited graphics

- We decided not to go in the direction of flashy pages and animations as it might cause seizures for people who have epilepsy. Instead, we decided to limit

graphics in our board because users tend to enjoy decorating the board themselves.

**2. Login page**

- Due to time constraints and restriction of no external resources, we will not be able to add a login page for the bullet journal. This might lead to less to no security.

**3. Avoid/No cliques among group members**

- Avoid forming groups within the team.