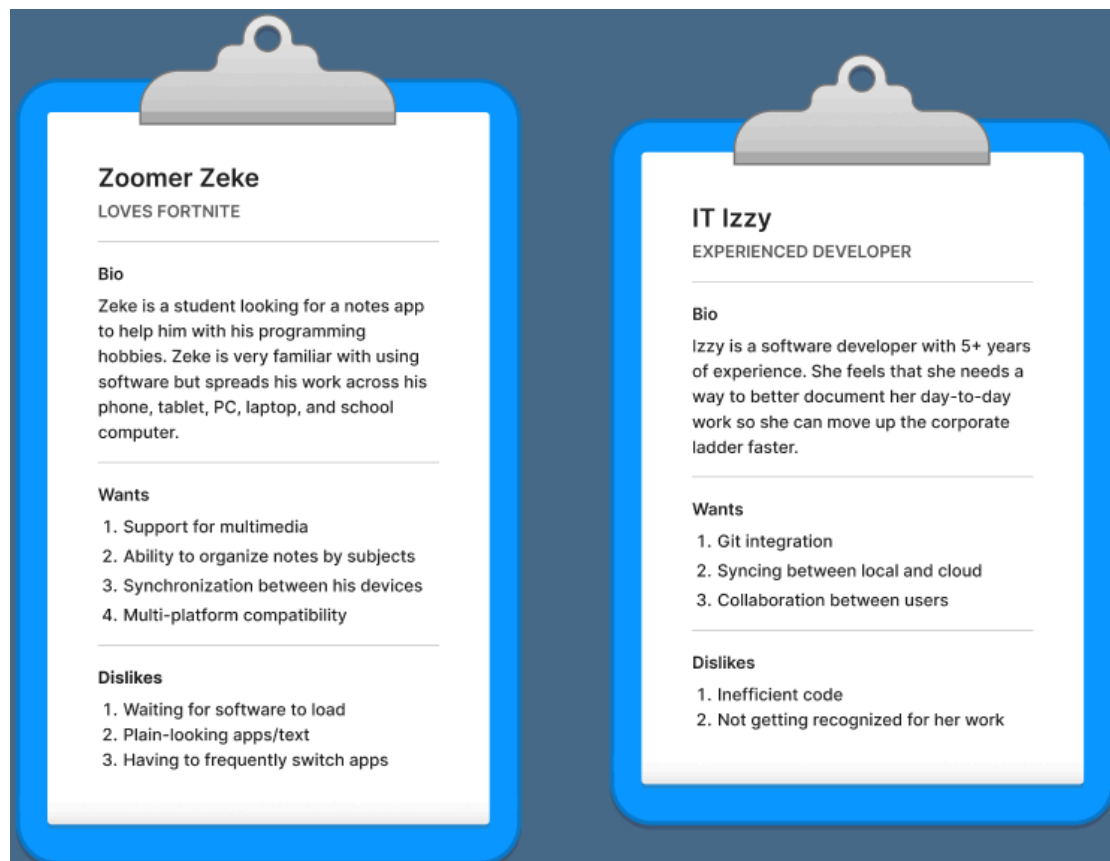


Team Tungsten

Statement of Purpose

As Team 3, Team Tungsten, we want to create a journal web-based application that pertains to developers. As the number of developers and the use of many programming languages and tech stacks are increasing, we want to create an app that would organize developer's tasks and thoughts. From writing down the basic syntax of a programming language to the step by step process in accomplishing a project, we want developers to have the ability to save all of their work offline and online. From looking at various note taking app such as Notion, Stackedit.io, Day One, GitJournal, and Todoist, we are inspired to create an app that is minimalist, user friendly, various developer's features such as shortcuts, code block, and timestamps.

User Personas



Crashing Carl

RUNS AN UNSTABLE 10 YEAR OLD
LAPTOP

Bio

Carl swears by older tech, so much so that he believes his laptop can still run modern websites with ease. He copes that his laptop is still efficient even when it inevitably crashes on a website, losing all his progress.

Wants

1. Auto-saving/syncing
2. Friendly website for older devices
3. Backup progress

Dislikes

1. Websites crashing on his laptop
2. Losing all his current work

Low-Level Larry

UNIX LOVER

Bio

Larry has been a dedicated Unix user for years. He uses barebones apps which don't ask much of the user. Larry wants an app to help document his thoughts on development for his software blog.

Wants

1. Light weight app
2. Local-first approach
3. Ability to easily export notes

Dislikes

1. Lack of control
2. Software bloat

Bob the Boomer

STILL USES WINDOWS 95

Bio

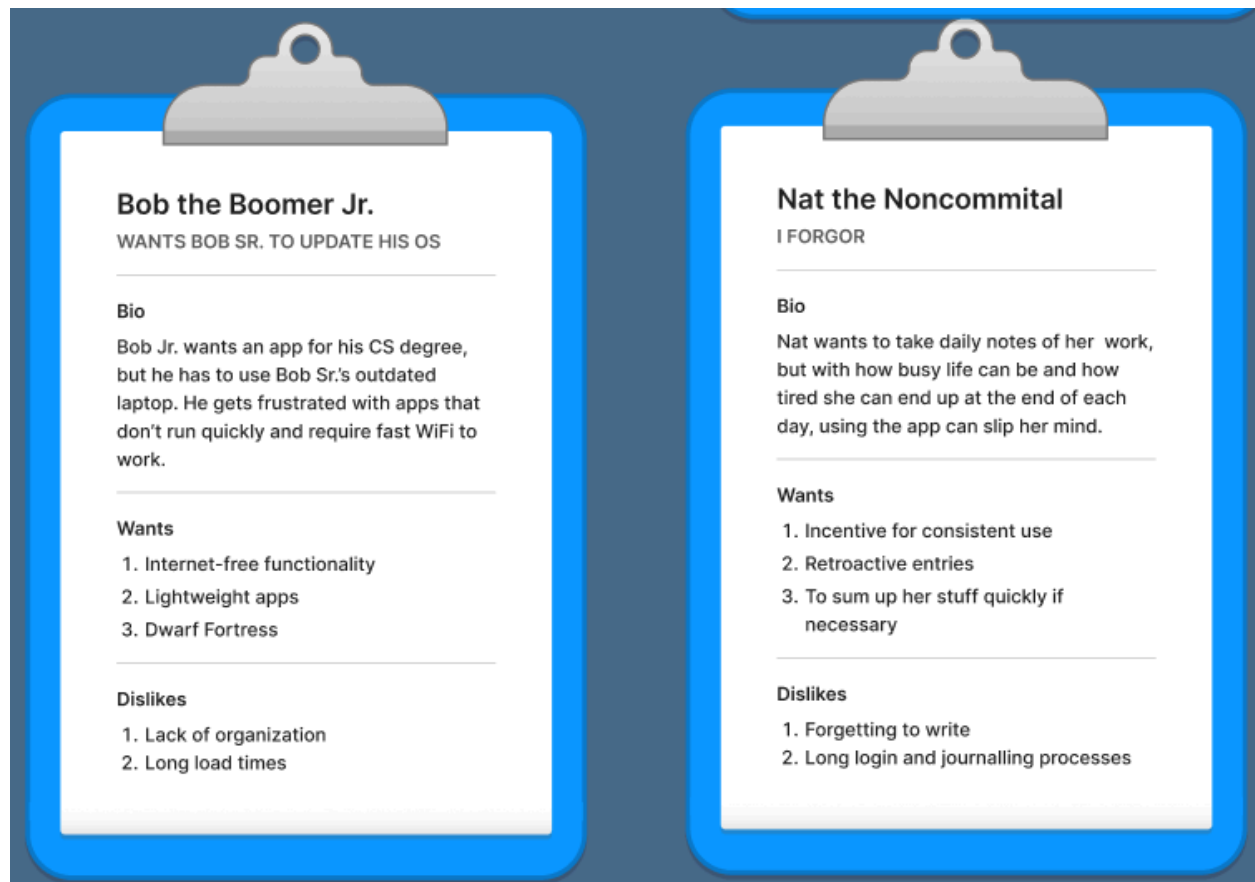
Bob is on the older side, but he wants to become more familiar with programming, and wants an app to use on his journey. He isn't very familiar with technology, and still uses some outdated devices.

Wants

1. Screen reader support
2. Ease of use
3. Compatibility with older devices

Dislikes

1. Apps which require too much setup
2. Having things explained to him



Risks & Rabbit Hole

- Spending too much time engineering
 - Might over code and try to handle too many unlikely edge cases
 - Add too many features that most users won't use
- Under planning or underestimating time needed for development
 - Missing deadlines due to bad planning or scope issues
- Nonoptimal programming to finish tasks faster
 - Could lead to later hiccups in development when adding or upgrading features
 - Could also lead to difficulty of passing on software to other developers
 - Code is difficult to understand or build upon for other developers

Minimal Viable Product

Minimal Viable Product

Front End

MVP features:

- * Different journals on the left
 - Timeline journal entries (chronological) homepage
 - Create journal' entry button
 - Basic journal creation interface
 - Viewing past journal

Backend

- Use CodeMirror
- Save user's journals and entries in local storage
- Ability to export journals and import journals

Actions/Flows

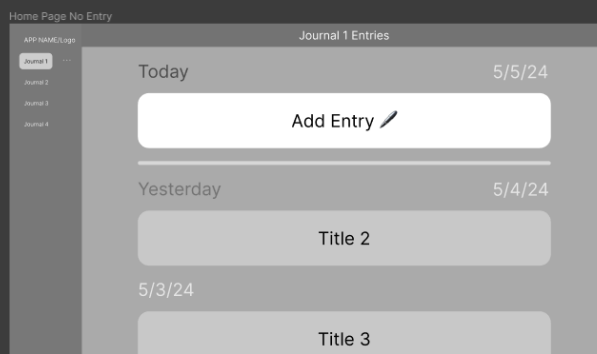
- Clicking the + button from the main page would bring the user to the Entry page
- Clicking the save button in the Entry page would add the entry to the Main Page with the Timeline View
- Selecting an entry from the Main page would then clicking the Edit button would bring the user back to the Entry page with all of the data populated such as Title, date, any texts in the text field
- Clicking the import icon, would bring up the Import page, allowing users to import files from their computer
- Clicking the export icon, would zip all of the selected documents and save it on the user's computer

Platform

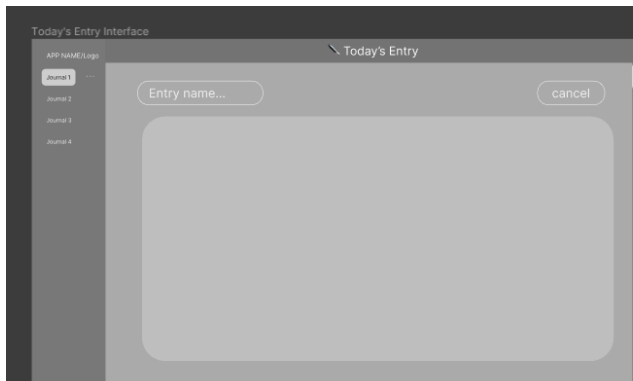
- Electron JS application which is served on OSX / Windows operating system
- Markdown processing via <https://www.npmjs.com/package/codemirror?activeTab=dependencies> core package is code mirror and internal dependencies.

Prototype Design

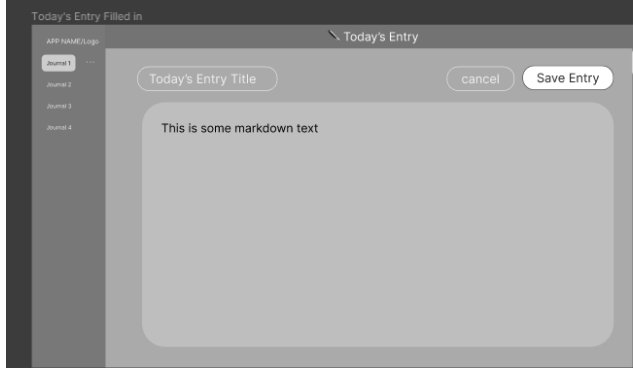
MVP Wireframes



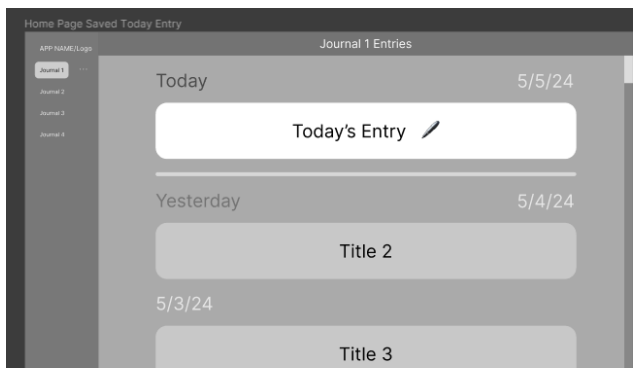
- This is what shows up when you open the app for the day.
- add entry logs entry is a bright color because it is encouraging you to edit it
- You can view the other entries.



- This is how you write to the entry
- There is no save button because nothing has been written to the entry name/title or the text markdown field.



- inputting title text or markdown text brings up the save entry button.



- You can still edit the entry for that day within the given 24 hour time frame



- When you wanna edit today's entry, the save entry button only shows up when you make changes

Today's Entry Filled in

APP NAME/Logo

Journal 1Journal 2Journal 3Journal 4

Today's Entry

Today's Entry Title UpdatedcancelSave Entry

This is some markdown text. This is additional text to save to today's entry.

Home Page after Edting Entry

APP NAME/Logo

Journal 1Journal 2Journal 3Journal 4

Journal 1 Entries

Today5/5/24

Today's Entry Title Updat...✎

Yesterday5/4/24

Title 2

5/3/24

Title 3