

Pitch: Leaf journal

Team 22: Garlic Gardeners



Brainstorming

Why do people journal?

- Store memories
- Random inspiration
- Observations
- Reflection
- Reminders
- Vent
- Writing will not disappear

Why would developers journal?

- Planning
- Solutions/ideas
- Difficulties
- Drawing/diagramming
- Tasklist

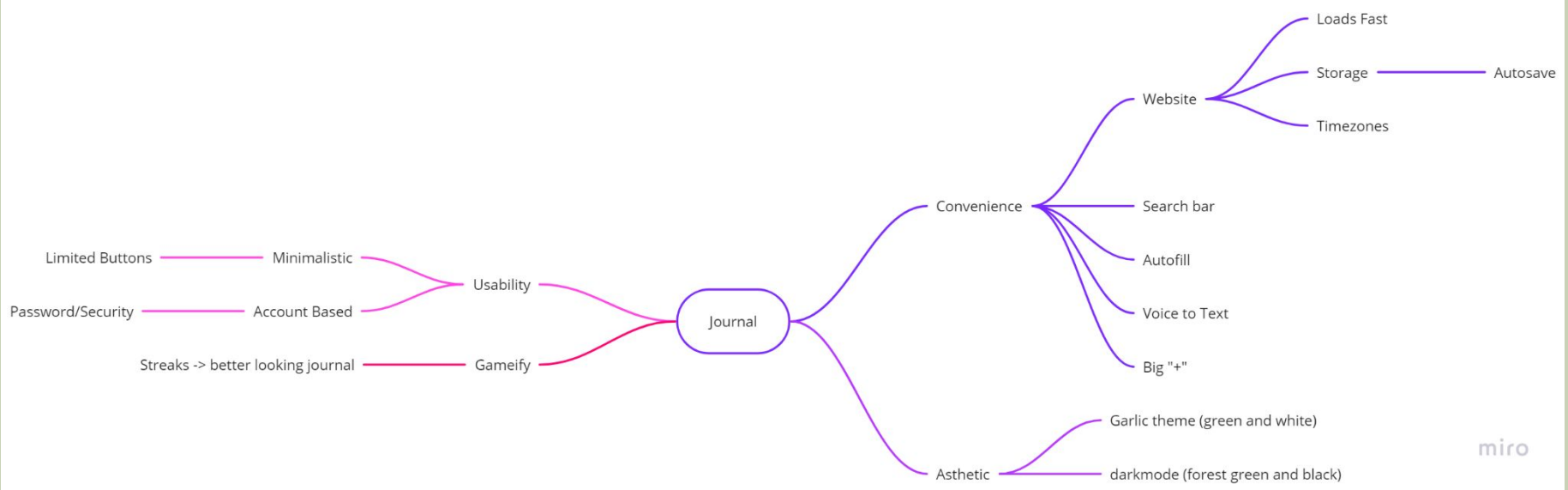
Problem statement

"How do we incentivize developers to begin and continue journaling?"

Requires the development of 4 categories:

1. Usability
2. Convenience
3. Gameify
4. Aesthetic

Mind Map



Scope and features

Usability

- Website
- Can write text with basic doc features (text styling, alignment, bullet list, etc)
- Text is saved and can be accessed later

Gamify

- Focus on streaks
- Maintaining a streak by writing in a journal will grant extra decorations + TBD

Convenience

- Minimalistic (limited buttons)
- Bookmarking and searching
- Timezone conversion
- Dark mode (green and black)

Aesthetic

- Plant theme
- Each journal is a leaf that part of a growing tree of journal entries
- Fits our team identity/colors (green and white)

Technologies

- Plain JavaScript
- LocalStorage API
- Rich text editor
- Jest for unit testing
- Date API

User stories

- Fiona: software engineer intern
 - Getting exposed to the industry or professional experience. Despite the guidance from mentors, she realizes that there is a lot less hand-holding in the industry. She needs to keep track of the work she has done and any difficulties she has come across, and report to her supervisors to show that she is a worthy candidate for a return offer.
- Joe is a CS professor at a world-renowned university. Apart from teaching several classes with varying difficulties, he also has his own research project. Preparing for lectures, writing exams, making progress in his research, writing papers, and traveling to conferences are what constitute his overwhelming schedule. He needs a good journal to keep track of his daily tasks so he doesn't get drowned within them.

Feasibility studies

- Features considered out of scope
 - Phone-friendliness
 - Text-to-speech facilities
 - Persistence on the server
 - References between journal entries
 - Sharing of entries
 - Reminders
 - Task list
- Possibly in-scope
 - Code integration
- LocalStorage is an easy API but does not support > 5 MB data
 - Use appropriate abstraction to allow switch to IndexedDB
- Rich text has numerous out-of-the-box, lightweight solutions
- We can leverage our wonderful artist developer, Mr. Peña

Risk analysis



Timeline

