

Project Pitch

Group 13 Good Draw

“Commit”

Topics of risks and rabbit holes

Failing due to strong competition in the market

Given that journal and note-taking apps can be used as developer journals, and the dominance of GitJournal, it is hard for a 4-week sprint to create a competitive app.

Misplaced attention by developers

Given that these student developers are more used to using journaling apps, they may feel the need to make each element of the app perfectly fit their ideal UX, and therefore lead to a mismanagement of manpower on less important issues.

Saving data

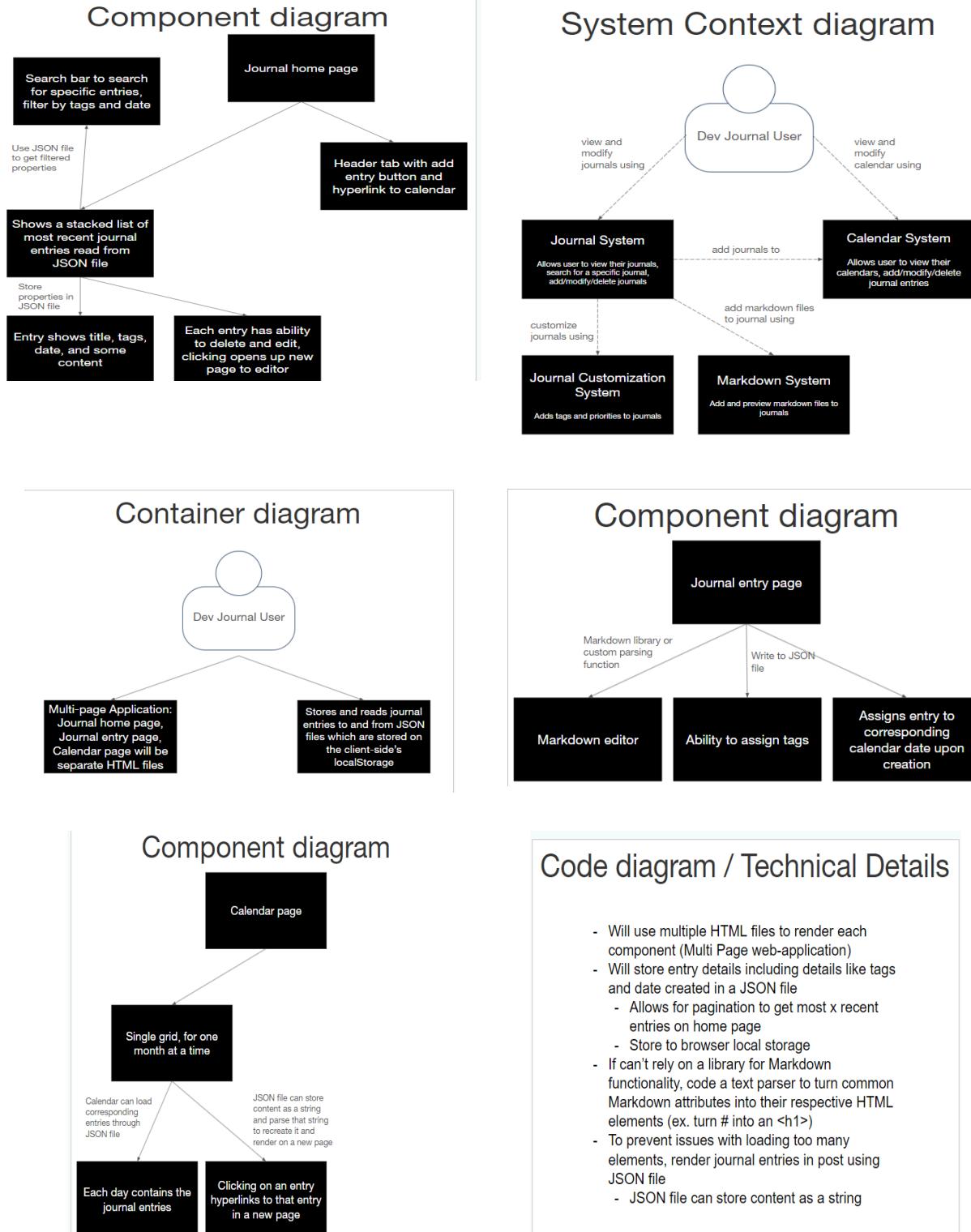
Given that we will probably try to use ElectronJS and all of us are used to interacting with a database, it will be interesting and time-consuming to figure out precisely how we will save user data (journal entries)

RAIL standards

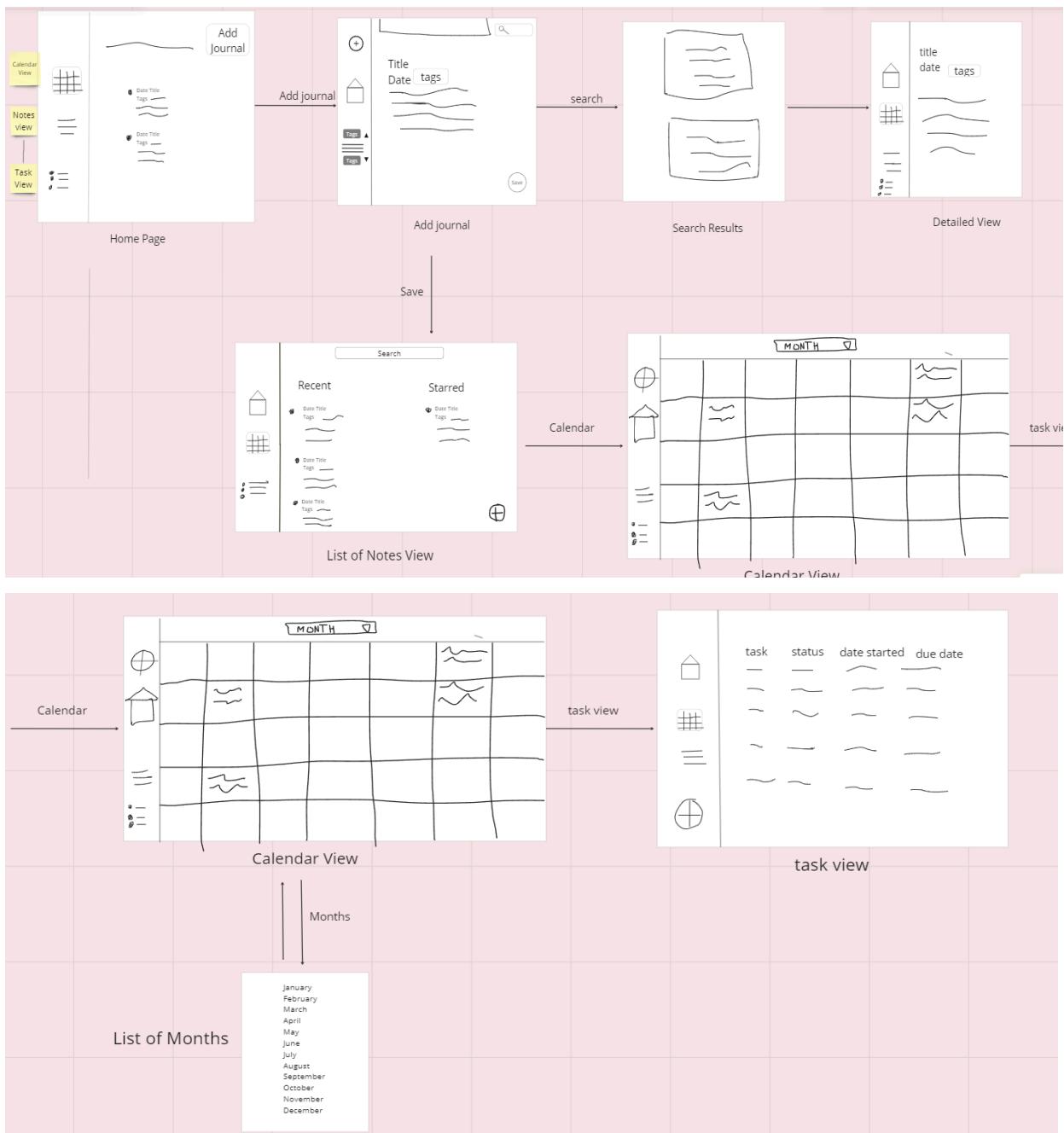
Given that we will try and achieve RAIL standards 60% of the time, that places a huge emphasis on the speed of the application, and since there is a lot of technical machinery under the hood, optimizing it, when we are all still getting used to the tools in of themselves will be a difficult task and time sink.

System diagrams

System diagrams (higher res)



Wireframes



User personas

Personas	User stories	Use cases
<p>① Computer science major in College Name: Andy Nguyen Age: 20 Gender: Male Marital Status: Single Occupation: Student (Undergrad 2nd year) Hobbies: Playing video games, Weightlifting, Badminton Technology Familiarity: High, Knows how to code (Java, Web-Dev, Markdown) Devices Used: MacBook, Windows Computer, iPhone</p> 	<p>I want a developer journal app to enhance my learning and documentation process. Given my familiarity with technology and coding skills in Java and web development, I recognize the value of maintaining a journal to track my coding progress. I intend to create detailed entries to record my progress for both my projects and my class assignments.</p> <p>Outside of academics, my hobbies include playing video games, weightlifting, and playing badminton. Incorporating these interests into my journal entries allows me to reflect on how they intersect with my learning journey and provide a well-rounded perspective on my personal and academic development.</p> <p>Additionally, I see the value in customizing the appearance and layout of my journal entries to align with my preferences and enhance readability. By adjusting font styles, colors, and layout templates, I can create a personalized journaling experience that inspires creativity and motivates me to stay consistent with documenting my coding journey.</p>	<ul style="list-style-type: none"> To track progress with class assignments such as PAs To store notes on PAs like code designs Keep some notes private and public Share journals to others Use markdown to make notes more detailed
<p>② Professional web developer Name: Tommy Parker Age: 28 Gender: Male Marital status: Single Occupation: Web developer Hobbies: Teaching kids to code, Rock-climbing, Local improv group Technology familiarity: High Devices used: Android Phone, iMac, Samsung Smartwatch, Tesla</p>	<p>I'm passionate about teaching kids to code, scaling rock walls, and perfecting my improv skills. To elevate my productivity and impress my boss, I'm searching for a dev journal that fits seamlessly into my dynamic lifestyle. I envision a dev journal app that allows me to effortlessly log my daily tasks and activities. With markdown support for detailed notes and flexible categorization options, I can organize my entries by work projects, teaching engagements, rock climbing adventures, and improv rehearsals. Syncing across my Android phone, iMac, and Samsung Smartwatch ensures accessibility wherever I go, with the added convenience of Tesla integration for hands-free entry on the move. A user-friendly interface, complete with search functionality and customizable tags, enhances usability, empowering me to stay on track with my projects and showcase my dedication and productivity to my boss. All the while, I can pursue my diverse interests beyond the realm of coding with ease.</p>	<ul style="list-style-type: none"> To track productivity so he can impress his boss Track work on current projects Use markdown to make notes more detailed Ability to search

		
<p>③ Stay at home mom Name: Samantha Jones Age: 46 Gender: Female Marital Status: Married Occupation: Stay-at-home mom Hobbies: Gardening in her free time, Cooking, doing Pilates at 24-Hour Fitness, Reading Technology Familiarity: Low, Only knows how to use her iPhone and browse Google on an old Windows Laptop Devices Used: iPhone, Old Windows Laptop</p> 	<p>I value the ability to stay organized and reflect on my daily experiences. For a journal app, I seek a user-friendly developer app to help me document my daily lives. Throughout my day, amidst household chores and family activities, I find solace in my hobbies such as gardening, cooking, doing Pilates at 24-Hour Fitness, and reading. These activities not only provide me with joy but also serve as opportunities for relaxation and self-expression. Incorporating them into my journal entries allows me to reflect on the simple pleasures and lessons learned from each experience.</p> <p>I've often found it challenging to keep track of appointments and commitments, which is why having a built-in calendar would greatly improve my organization. With a built-in calendar, I can seamlessly integrate my schedule with my journal entries, ensuring that I never miss important events and can easily reflect on them later. Despite my limited familiarity with technology, I rely on my iPhone and an old Windows laptop for basic tasks such as communication and browsing the internet. Therefore, I appreciate a developer journal app that is intuitive and accessible across both devices.</p>	<ul style="list-style-type: none"> • Switching between devices • Storing and tracking events on a calendar • Writing journal posts about her garden's growth and workouts at 24 Hour Fitness • Website is fast and responsive since she uses an old laptop • UI and basic functionality are intuitive and don't require much know-how • Simple ways to style the contents of her journaling since she doesn't know markdown
<p>④ Child that likes playing games on his iPad Name: Billy Bob Age: 8 Gender: Boy Marital Status: Single Occupation: Student in Elementary school Hobbies: Playing games on his iPad,</p>	<p>My hobby is playing games on my iPad and I like sharing the best game moments with my friends. I want an easy to use app to save my screenshots of highest scores.</p> <p>During my day at school, I have various activities which I want to remember, perhaps for sharing with my parents or just to keep track of fun or notable events. My limited familiarity with technology, restricted to using my iPhone and an old Windows laptop for simple tasks like browsing the internet, means I need an app that is intuitive</p>	<ul style="list-style-type: none"> • Most likely wouldn't even use a dev journal app • Post screenshots of his victories in his iPad games • Talk about what he did at school

<p>Hating school Technology Familiarity: Low, Only knows how to use an iPad and search for apps on the app store Devices Used: iPad</p> 	<p>and easy to navigate.</p> <p>A journaling feature that allows me to write quick updates about my school day, combined with the ability to add game screenshots, would be ideal. This combination would not only make journaling fun, by connecting it with my interest in gaming but also serve as a digital diary of my daily activities and gaming progress.</p>	
<p>⑤ Really old guy with accessibility issues Name: Gorthamew Oak Age: 78 Gender: Male Marital status: Misses his wife Occupation: General carpenter (retired) Hobbies: Building bird houses. Croquet. Golf. Staring at a picture of his wife. Technology familiarity: Very little Devices used: Flip phone, hearing aid, old PC</p> 	<p>I want the app to have large, clear fonts and easy-to-read interface elements so that I can navigate it comfortably despite my vision impairments.</p> <p>I need the app to be compatible with my hearing aid, ensuring that any audio cues or notifications are clear and easily audible.</p> <p>I prefer straightforward and intuitive design without complex menus or features, allowing me to focus on documenting my projects without feeling overwhelmed by technology.</p> <p>I need the app to be compatible with my old PC, ensuring that I can access it from my preferred device without encountering compatibility issues.</p> <p>I want the app to have a feature that allows me to easily attach photos and notes to each project entry, helping me to visually document my progress and jot down important details.</p> <p>I want the app to have a reminder feature that prompts me to update my journal regularly, ensuring that I don't forget to document important milestones or insights.</p> <p>I would appreciate the ability to export or print my journal entries for safekeeping or sharing with others, as I value the ability to preserve my work and memories in a tangible format.</p>	<ul style="list-style-type: none"> • Content easy to understand • App has a clear flow and clearly marked buttons • App has a help/ tutorial button • Screen reader capacities • There is a live chat/ call option for stuck users

Statement of purpose

The Dev Journal project “Commit” will aim to create a web application that will facilitate note taking, logging software development, and keeping track of tasks.

Problem statement

In the realm of software development, managing various aspects of the development process such as note-taking, tracking project progress, and efficiently logging work hours remains time consuming and involves multiple tools to complete. This can lead to inefficiencies, as well as some missed TK when a developer forgets to record important information or tasks. There is a need for an efficient web application that supports the unique workflows of developers.

Project objectives

The primary objectives for this project is to create a local-first web application that integrates:

- personalized note-taking capabilities with emphasis on organization,
- interactive calendar that shows journal entries, issues, and tasks, and
- a time tracking feature for tasks and issues, allowing users for better project time management

Scope

The project will focus on the following functionalities:

- markdown editor allowing for personalizable note taking and code snippets
- tasks and issues management with the ability to track progress and time spent on each issue
- calendar display of tasks and note entries
- add tags and priority to tasks and notes for enhanced organization
- customizable journal templates to facilitate frequently created notes

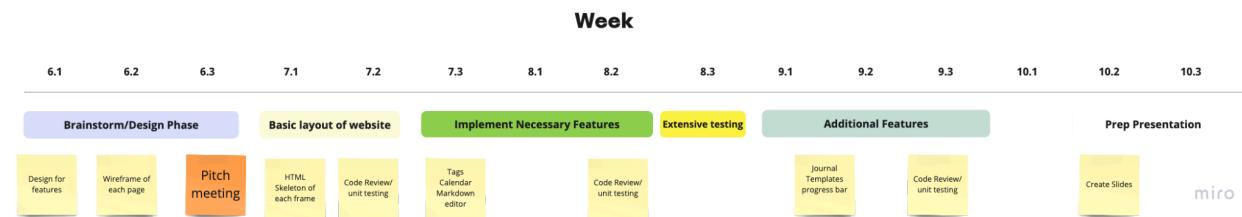
Stakeholders

Since this web application will be built with local-first in mind, the primary stakeholders for this project include freelance developers, students studying software engineering, and developers in tech companies.

Methodology and technologies

The project development process will take the form of Agile, which will allow our team to produce iterative improvements to the application, taking into account user feedback. The application's UI will mainly be programmed in Javascript, HTML, and CSS. Notes will be stored in JSON files.

Timeline



Conclusion

Commit will beat competitors launching in this quarter due to its unique User Centered Design, and how it fully utilizes the best of current design trends to create a fast responsive application. Many applications may offer alternative designs, but *Commit* embodies the perfect blend of user-requested elements that will make it the standard of the industry.