



Project Pitch: Work Journal 2024

Three decorative four-pointed stars are placed around the text: one to the right of '2024', one below it, and one to the right of 'Work Journal'.



PROBLEM & SOLUTION



PROBLEM

Developers often struggle with keeping track of their personal workflow, and find it difficult to recall all their accomplishments when communicating with higher-ups



SOLUTION

A streamlined, minimalistic work journal made by and for developers to keep track of daily work and accomplishments over time



Market Research

Brain Research

What People are Doing

- Two columns
- Two a graph type system where you can compare various events together
- Graph overview. A visual representation of all of your pages, connected to each other in a mind map fashion
- Hand-drawn tags

User Research

Surprisingly, has all the features we could implement.

- Can keep track of how much progress you have made
- Calendar shows what you were feeling that day
- design is very calming

Mirror

A book to give therapy effect

- Based on NLP, we don't make it to be in that state
- Remember, they have a feature where they can write a journal entry
- What we could do is implement an on-screen calendar on the first day we could start with a question asking if they feel better, if they feel better, they can write a journal entry
- Later for the day they have marked the dates, which have been associated with them

Memori App

Brooke's Favorite Journaling App

https://apps.apple.com/us/app/marketresearch_journaling_app/id1491111111

Favorite Features:

- Calendar
- Search for a notification on my phone to write a journal entry based on the location I was in when I got there
- Ability to add photos

User Stories:

As a user, I want to be able to write a journal entry based on the location I was in when I got there.

As a user, I want to be able to write a journal entry based on the location I was in when I got there.

Dirarium app

<https://apps.apple.com/us/app/dirarium-journal-diary/id1491111111>

- Calendar to log daily entries
- Hand-drawn tags and tags
- linked to personal
- supports markdown
- includes mood tracker

Grid Diary

<https://www.apple.com/us/app/grid-diary-journal-planner/id1491111111>

- Minimalist journal
- Hand-drawn tags and tags
- linked to personal
- supports markdown
- includes mood tracker

Work tracking app

<https://apps.apple.com/us/app/work-tracking-app/id1491111111>

Key Features

- Introducing our Work Tracking App - your gateway to productivity and efficiency. Say goodbye to spreadsheets and hello to efficient project management. With powerful features like task assignment, progress tracking, and real-time collaboration, you'll be able to manage your team's workload like a pro.

Work Tracking App

- Real-time progress tracking: Stay on top of your team's progress with real-time updates and notifications.
- Task assignment: Assign tasks to team members with ease.
- Progress tracking: Track the progress of each task and see who's on top.
- Task Manager: Manage your tasks and priorities with ease.
- Includes time tracker and accomplishment/schedule





Developer Dave

Demographics:

Age: 25

Occupation: Software developer

Location: Seattle, Washington

Pronouns: he/him

Background:

Dave is a novice and ambitious software developer. He has hard deadlines that he has to meet and wants to keep working on side projects he is passionate about. Dave is very organised.

Possible Solution:

Dave could benefit from a tool that combines task and time tracking features with a weekly and monthly achievements list.

Wants:

- To be able to see his weekly/monthly progress at a glance.
- A way to keep track of his productivity on his ongoing personal projects.
- A tool to help him allocate time for different tasks.

Challenges:

- With everything he wants to do, Dave sometimes struggles with time management.
- Dave is struggling to maintain a good work-life balance.



Tech-enthusiast Tina

Demographics:

Age: 33

Occupation: Tech Blogger and Freelance Developer

Location: San Diego, California

Pronouns: she/her

Background:

Tina, after working as a software developer for 5 years, switched careers to become a tech blogger and freelancer. Tina works on different projects from different clients, which she sometimes gets by writing about their products.

Possible Solution:

Tina could benefit from a tool that reminds her to log in her progress everyday and where she can take notes for her blogs and other resources. An additional feature that might help her would be to be able to keep track of all her projects separately.

Wants:

- To track all her different projects and blogs on tech separately.
- To collect all her resources and other opinions to promote continuous learning.
- To be reminded everyday to log in her progress.

Challenges:

- As a freelancer, Tina's days are long and she forgets to log off on some days.
- Tina occasionally faces moments of self-doubt as left her secure job to pursue this



Student Sarah

Demographics:

Age: 20

Occution: Computer Science Student

Location: San Diego, California

Pronouns: she/her/they

Background:

Sarah is a sophomore and is passionate about exploring various aspects of computer science. To build her resume, she has taken up some projects on top of her classes. She also likes to engage with various communities to enhance her skills and broaden her knowledge.

Possible Solution:

Sarah could benefit from a tool that helps her track assignments, deadlines and projects while providing s space for her to keep track of her accomplishments for her resume.

Wants:

- To keep track of all her assignments and deadlines.
- To track her projects in her ongoing research and application-based project.
- To have a extended resume of all the big tasks I've accomplished for job applications.

Challenges:

- Sarah often struggles to prioritize tasks and manage her time effectively,
- She is unsure about what to do to stand out from her peers on job applications.



Experienced Evan

Demographics:

Age: 51

Occution: Senior Software developer and Manager

Location: Austin, Texas

Pronouns: he/him

Background:

Evan is a highly experienced software engineer with almost three decades of experience in the tech industry. He is respected among his peers for his technical expertise, problem-solving skills, and mentorship to junior developers in his team.

Possible Solution:

Evan could find a tool that allows him to track his team's progress and take notes on important resources helpful. Additionally, a tool that simplifies goal-setting so that he can manage his personal goals apart from his responsibilities as a manager.

Wants:

- To keep track of the progress of the members in his team.
- To take note of interesting things to share with his team.
- To log all his goals for an ongoing project.

Challenges:

- Evan finds the influence of social media trends on his work hard to understand.
- With his position as a manager, he finds it hard to keep track of his personal goals.



As a security professional, I want to make sure my work is secure and private.

As someone who is going up for promotion, I want to be able to view all of my work over the past quarter in one place.

As a developer, I want something that I can easily access for daily standup meetings.

As a designer, I want to be able to include images and other snippets in my entries.

As someone thinking about switching jobs, I want to have some "extended resume" of all the big tasks I've accomplished.

As someone who is serious at gaming, I want a journal where I could note down what I learned from a game every time I play.

As a developer I want to organize my journal by project, and have different tabs for easy access.

As a creative developer I want to be able to customize the look/layout of the journal for each project to match the creative energy.

As someone who wouldn't know what to write down, I want something that provides examples or ideas of things to write about.

As a forgetful person, I want something that will remind me to log my work every day so that I won't lose the habit.

As a developer I want to be able to include hyperlinks when conducting research for better organization.

As a developer I want a place to outline/list my personal goals for the project.

USER STORIES





Risks and Rabbit Holes

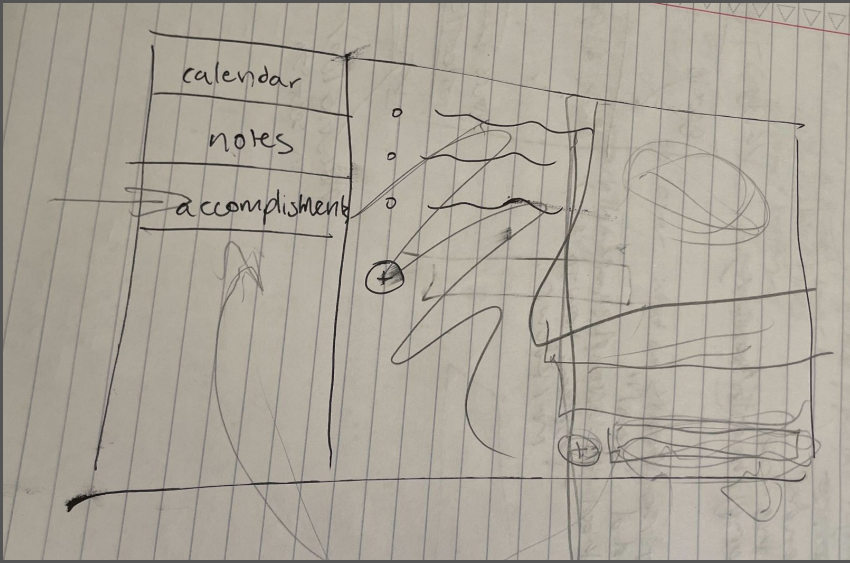


As seen in multiple of our user stories, it is helpful for our work journal to synthesize important information that can easily be presented to managers or added to a resume. While this is a practical use case, we will stay away from becoming too focused on managers' needs, since this product's target users are developers looking for a way to log their daily progress.

We have defined several features that we have labeled as crucial for the project as well as several others that are optional, ranked by importance and ease of implementation. If we have extra time, we will implement the optional features starting at the easiest/most important features and moving down. This approach will help us confine our project to the necessary time constraints, mitigating risk, while giving options for improvement if we have enough time.

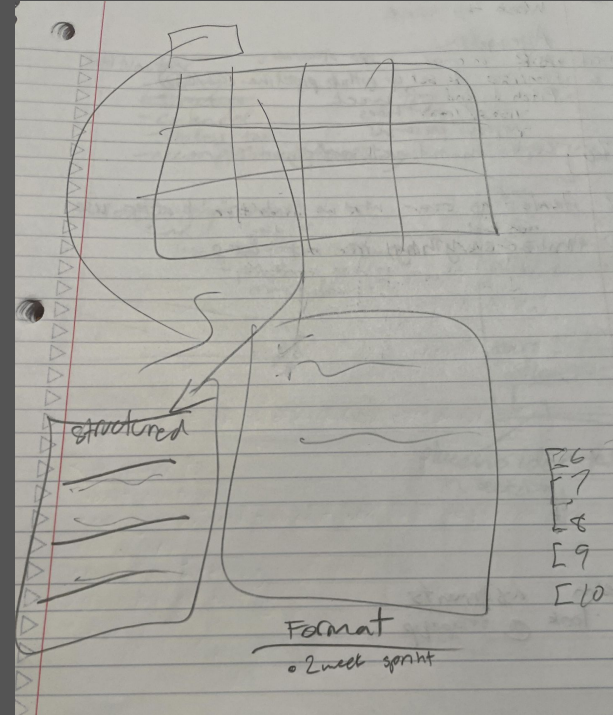


BRAINSTORMING



- Features
- calendar widget to access days and log hours
 - notes tab - like "Grid Diary"
 - folders optional
 - structure window Note:
 - todo, list - tasks & goals
 - hours worked
 - reflection
 - optional: highlight
 - Accessibility
 - keyboard accessible → none of HTML does right
 - translation?
 - screen readers
 - different sized screens
 - dark mode (optional)

During our brainstorming sessions, we first decided what functionality we wanted from our application, based off of our user personas and user stories. We then noted down important features that will achieve that functionality, and made rough sketches to figure out the general layout of the application.



Scope + Features

We will focus on a *local* web app design including the following features:

- Daily note with fixed structure (Tasks done, hours worked, reflection, big accomplishments)
- Calendar with clickable days that bring you to daily note for that day
- General notes tab that acts as a folder of several markdown documents the user creates

If we have extra time, we may implement the following features in order:

- Accomplishments tab that lists all accomplishments in a time frame (month, week?)
 - These can also be added through the accomplishments tab but are automatically populated through the daily notes accomplishments section
 - It may also contain total hours worked for that time period
- “Today” tab in navbar that takes you to today’s daily note
- Option to add a password to open the journal (security)
- Optional reminders to log notes for the day
- Ability to export notes as markdown files
- Wrap app with something like Electron to make it a mobile app
- Ability to customize/add section headers in daily notes
- Streaks
- Work log sharing

Non-functional Features

- Accessibility
 - Can be read by screen readers
 - Translation
 - Accessible by multiple browsers/devices
- Responsiveness / Performance
 - RAIL
 - Responsiveness - acknowledge user input in 100ms or less
 - Animation - 60fps preferred, 30fps acceptable
 - Idle - 50ms
 - Load - less than 1 second



Technology List

To create our project, we will use the following technologies:

- HTML
- CSS
- JS
- Prettier (for formatting code)

We are also still considering the use of the following technologies

- Some Linter
 - This would be for checking code against in CI/CD pipeline
- Electron or some other wrapper
 - We would only use this if we get to the optional feature of making our site available as an app for a desktop/mobile format.

Fat Marker Sketch



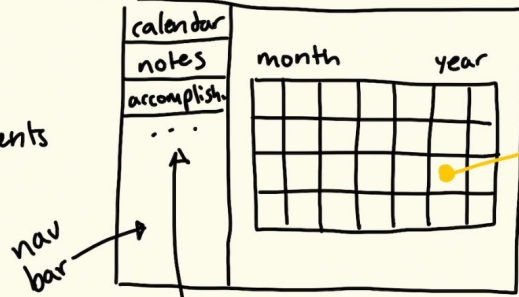
Daily Log :

- ★ what have you done today?
- ★ big accomplishments
- ★ track hours
- ★ reflection

General Note Taking:

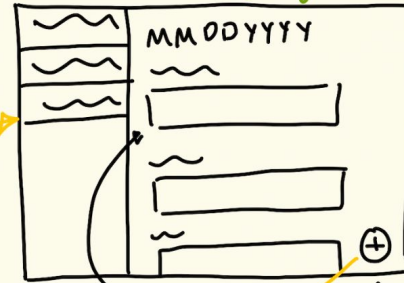
- ★ save separate notes
- ★ folders to save notes?

calendar tab



add easy access tab for today's log?

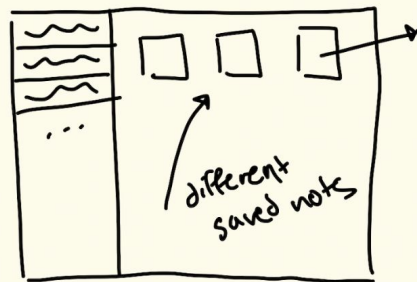
calendar -> daily log



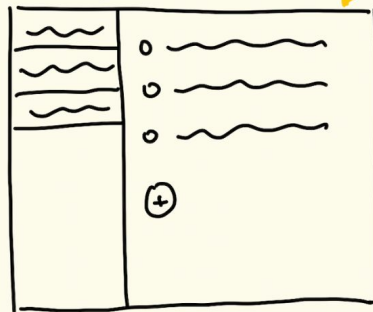
different sections to structure logs

button to add accomplishment

notes tab

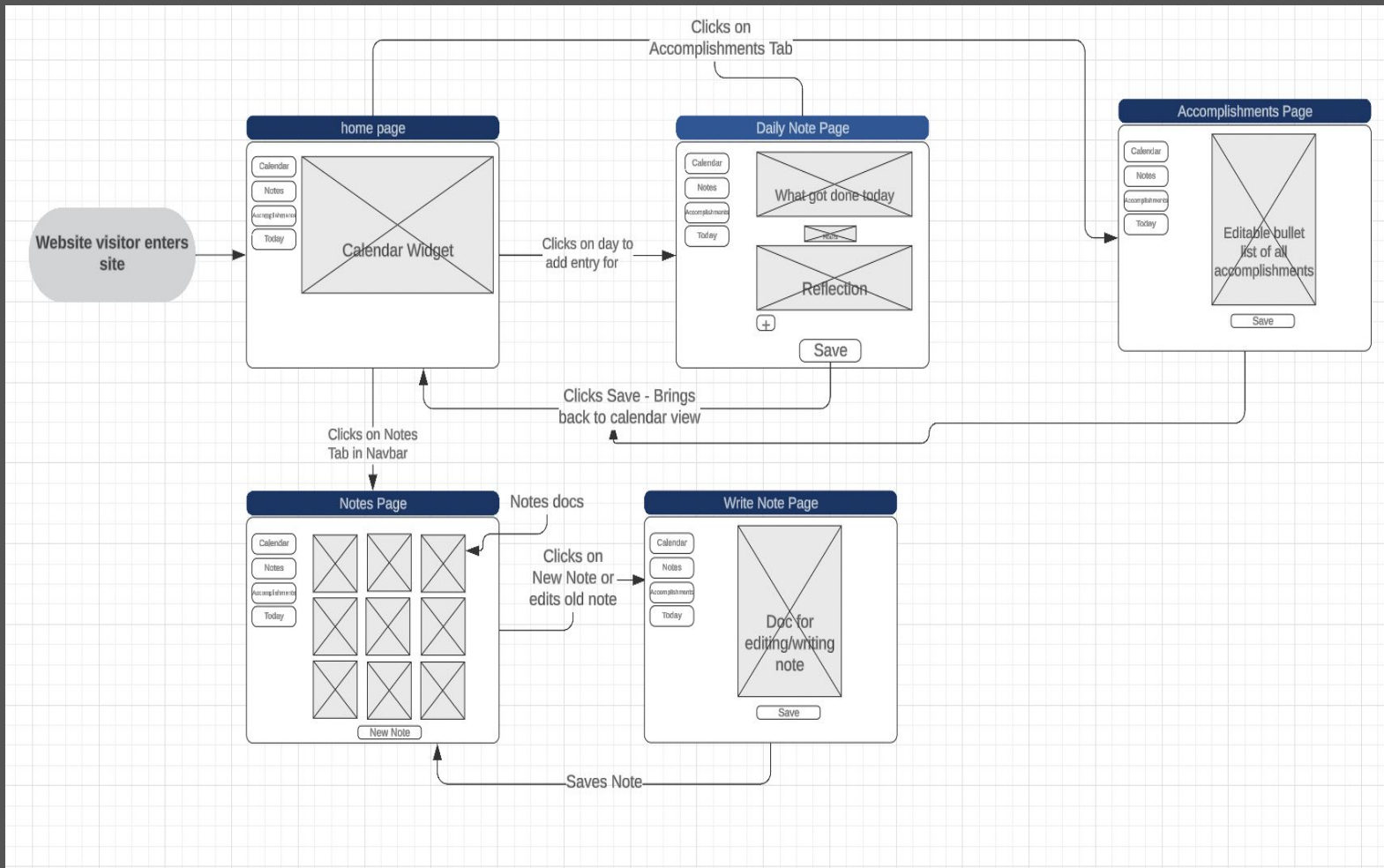


Accomplishments tab



accomplishments get saved in the accomp. tab

Wire Frames





General Timeline by Week

6

DESIGN + SET UP PIPELINES

Finalize layout, CI/CD pipeline,
internal documentation

7-8

TWO WEEK SPRINT

Work on developing core
functionality with all crucial
features, write tests

9

ADDITIONAL FEATURES

Work on developing any
additional features, write tests
for them

10

REVIEW + REFLECT

Final tests, wrap up sprint and
hold retrospective