

# Project Pitch: Developer Journal

Digital Dr3am T3am



# Problem

- Software developers often face challenges in effectively documenting their daily work activities, reflections, and insights. Existing solutions lack the tailored features and flexibility needed to meet the specific needs of developers.

**They need a dedicated platform designed specifically for developers to record their tasks, challenges, solutions and learnings over time in a centralized and organized manner.**

# User Personas



**Manager  
Martin**

**Details:** Martin is a busy software project manager who juggles tasks for multiple projects on a daily basis.

**Wants:** Martin values flexibility, customization, and ease of use in a software solution. He wants a tool that allows him to manage multiple tasks and projects efficiently.

**Doesn't Want:** Martin doesn't want a tool that is overly complicated or difficult to use. He needs a reliable solution with backups and secure data to ensure uninterrupted productivity.

# User Personas



**Stressed-out  
Steve**

**Details:** Steve is a short-tempered software developer who gets yelled at by his boss every day for not working hard enough.

**Wants:** Steve wants a system that helps him work more efficiently and effectively to alleviate pressure from his boss and create a more positive work environment for himself. He finds value in a tool that will help him provide tangible evidence of his work efforts.

**Doesn't Want:** Steve doesn't want a complicated or overly technical solution or one that reinforces unrealistic expectations or unattainable goals set by his boss.

# User Personas



**Disorganized  
Diane**

**Details:** Diane is a disorganized developer who struggles to keep track of deadlines and can get easily overwhelmed.

**Wants:** Diane wants a focused tool that will help her improve her ability to track deadlines and milestones effectively. She also wants a system to help her break down complex tasks into smaller, manageable components.

**Doesn't Want:** Diane doesn't want a tool that overwhelms her with too many features or options. She dislikes rigid tools that imposes too much structure on her workflows.

# User Personas



**Junior Jack**

**Details:** Jack is an junior developer trying to improve his skills and see how he is improving in his problem-solving ability. He often struggles to remember what he's worked on and how he accomplished a task.

**Wants:** Jack wants a tool that helps to keep track of all the bugs he encounters and how he manages to fix them such that he can refer to it in the future. He values the ability to track the development of his problem-solving and technical skills.

**Doesn't Want:** As an entry-level developer, Jack would prefers a solution that doesn't require extensive training or technical expertise.



*Our project aims to develop a streamlined and user-friendly journaling tool tailored for developers, enabling them to efficiently manage deadlines and daily tasks. Through a simple and intuitive design, developers will be empowered to improve their productivity and time management for professional growth and success.*



# Project Requirements

- **Dashboard**
  - Simple dashboard for user displaying entries and projects
- **Entry Creation**
  - Ability for users to create, edit, and delete journal entries
  - Text editor supporting markdown for formatting, code snippets, photos
- **Project Tracking**
  - Ability for users to create, edit, and delete projects with deadlines
- **Tasks**
  - Ability for users to create, edit, and delete tasks
  - Option for users to categorize tasks using tags



# Proposed Features

- **Calendar Widget**

- clicking on a calendar day opens up the corresponding journal page
- visually indicates dates that have entries

- **Project Tracker**

- simple display of ongoing projects
- add, edit, and delete projects (CRUD)
- add a project name, deadline, and priority-rating to projects

- **Daily Journal Page**

- **Task List**

- add, edit, and delete tasks on the daily task list (CRUD)
- add a task name, task type tag, and project tag

- **Sentiment Rating Widget**

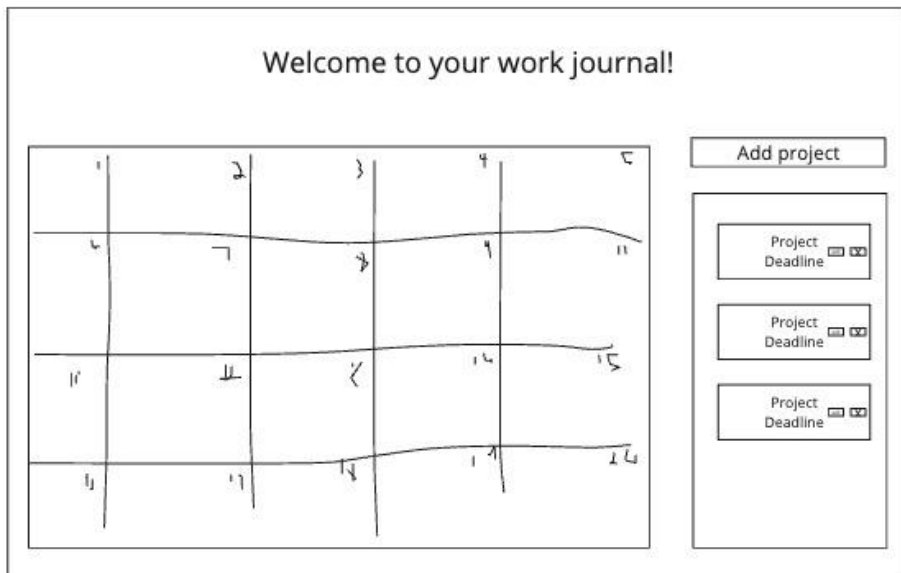
- one-click sentiment tracker

- **Free-Write Entry**

- journal-style entry to write about the day

# Wireframes - Home Page

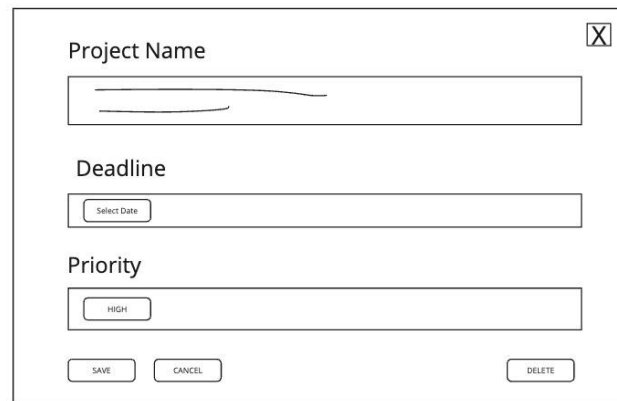
## Home Page



Wireframe of the Home Page. The page has a header area with the text "Welcome to your work journal!". Below the header, there is a large calendar widget on the left and a project tracker on the right. The calendar widget is a grid with 5 columns and 4 rows, showing dates from 1 to 31. The project tracker is a vertical list of project entries, each with a title "Project Deadline" and a date range (e.g., "10 - 11").

- calendar widget (clicking on a day → journal page)
- project tracker (add and display)

## Project Modal

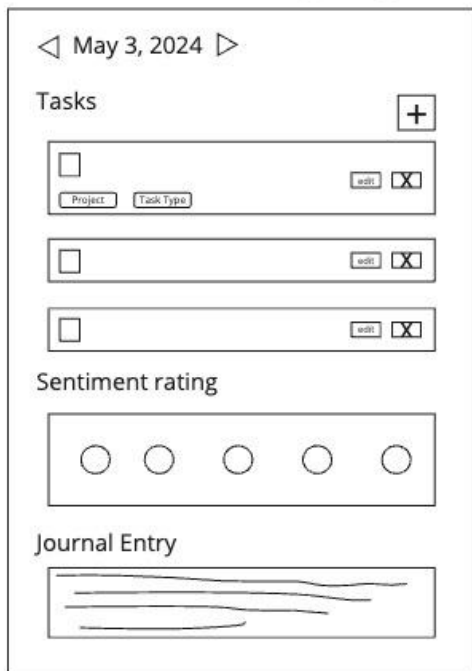


Wireframe of the Project Modal. The modal is a rectangular box with a close button (X) in the top right corner. It contains three input fields: "Project Name", "Deadline" (with a "Select Date" button), and "Priority" (with a "HIGH" button). At the bottom, there are three buttons: "SAVE", "CANCEL", and "DELETE".

- modal to add or edit a project
- project name, deadline, priority rating

# Wireframes - Journal Page

## Journal Page



◀ May 3, 2024 ▶

Tasks +

- ☐ Project Task Type edit ✕
- ☐ edit ✕
- ☐ edit ✕

Sentiment rating

○ ○ ○ ○ ○

Journal Entry

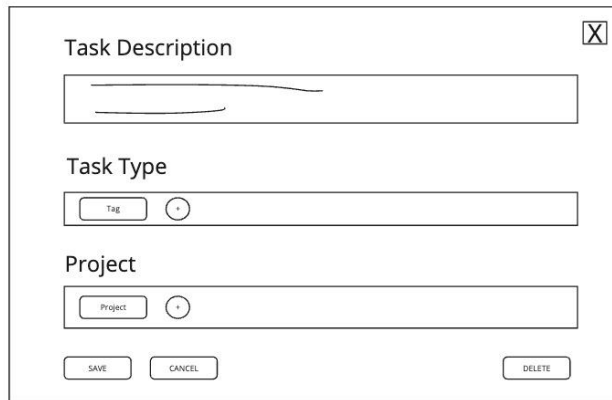
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\_\_\_\_\_

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- button to add new tasks
- task list with tags displayed, options to edit or delete a task
- sentiment rating
- written journal entry

## Task Modal



Task Description ✕

\_\_\_\_\_

Task Type

Tag +

Project

Project +

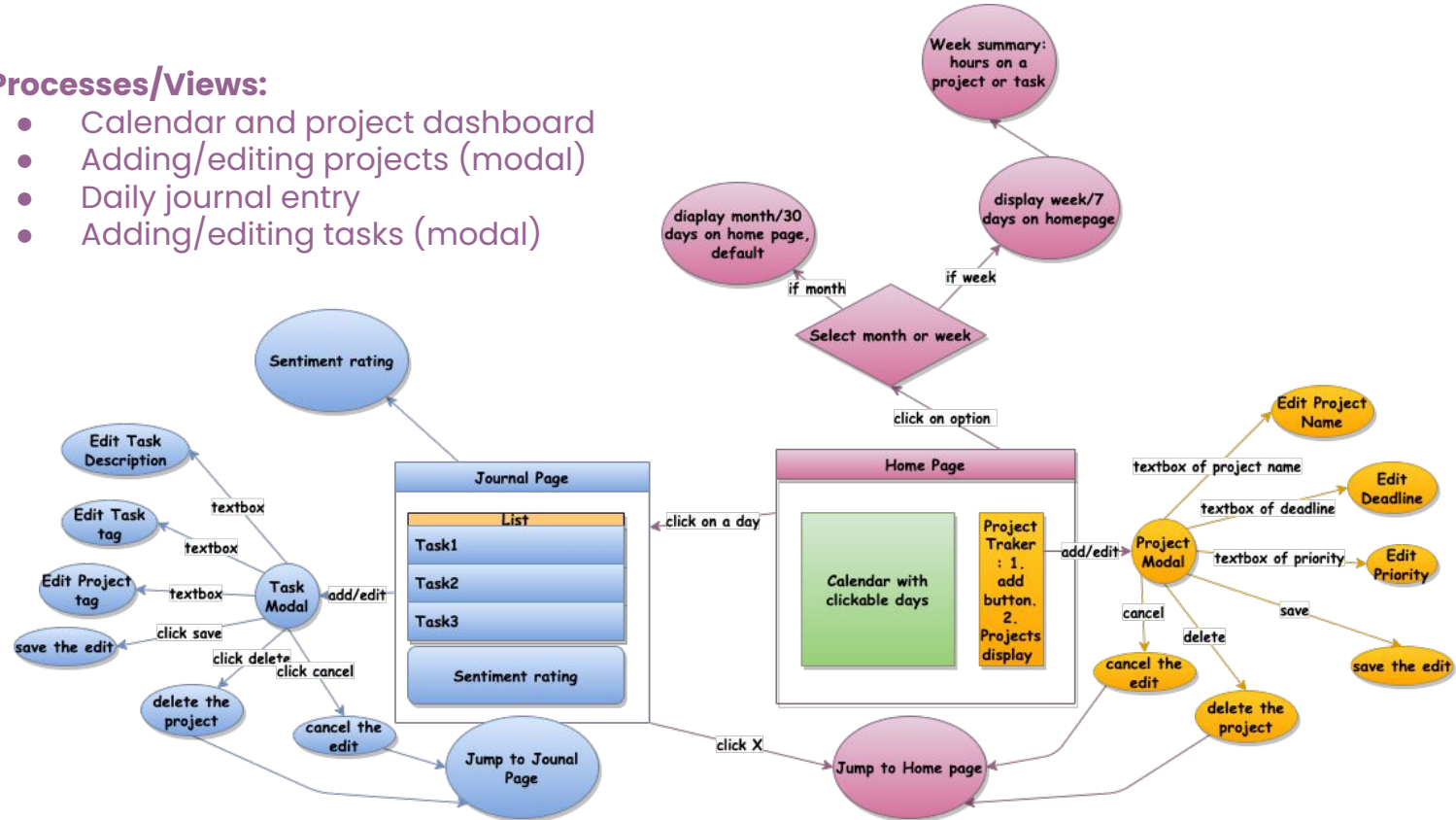
SAVE CANCEL DELETE

- modal to add or edit a task
- task description
- tags for task type + project
- save, cancel, delete

# System Diagram

## Processes/Views:

- Calendar and project dashboard
- Adding/editing projects (modal)
- Daily journal entry
- Adding/editing tasks (modal)



# Risks

- **Competition**

- There exist a lot of other journal apps out there that serve a similar purpose
- Strategically consider how to differentiate our application from the competition

- **Audience Engagement**

- There might be a chance that the proposed content does not align with the interest of the audience

- **Data Security**

- The journal involves storing user data, which could introduce potential concerns related to data security

- **Resource Allocation**

- Insufficient resources (time, effort, budget) dedicated to the journal could put project completion at risk

# Rabbit Holes

- **Generic**
  - Avoid building a generic journal app without integration of features that make it essential for developers specifically
- **Feature Focused**
  - Avoid too much time spent on adding unnecessary features as our time budget is limited
- **Over Optimization**
  - Avoid endlessly over-optimizing everything beyond what is required for the project
- **Developer Centric**
  - Ensure the the app doesn't overly optimize developer experience over user experience
- **Visualization**
  - Avoid overemphasis on visual appearance rather than functionality and fluidity