

clarifying definition and requirements

- definition: a work journal
- requirements: unclear
- features: calendar(?), journal entries, tasks and sub-tasks to track daily progress, daily mood(?)

users and their expectations

- users: college students, engineers, white-collar workers
 - do a user story, user persona, use case
- expectations: minimal or basic UI, etc.
- Will this

app theme and mood

- theme: minimal, basic...
- mood: serious, ...
-

- Using flowchart to demonstrate web page behavior
- Survey the competition: check other work journal apps
- Journal vs. Work journal: what's the difference? what's in a work journal app that journal app doesn't have? vice versa

potential features

- Dark mode
- Light mode
- Task List
- Sentiment Widget
- Add/remove tasks
- Task priority
- Start/end date
- Project management capabilities
- Support for code blocks (potential running scripts?)
- Code validation ability (W3, Linter, etc.)
- Code preview (similar to LiveServer)
- Cross-platform usability
- Collaboration between users
- Journal stats
- Different user logins/account system
- VSCode integration
- GitHub Integration
- Calendar
- Markdown Support
- Voice Message/Text/Image/Code/Video Inputs Available

• Core Features

- task list
 - add / remove / edit tasks
- voice message / text / image / code/ video add-ons in journal
- calendar
 - start / end date

• Optional Features

- sentiment widget
- task priority
- cross platform usability
- dark/light mode
- markdown support
- journal stats
- dashboard

• Extra Features (need to test feasibility)

- GitHub integration
- Code Preview/running (like LiveServer)
- Code blocks (like Jupyter Notebook, might be same as above ^^)
- Code validation/style checker (W3, Linter)
- VSCode integration
-
- account system (User Logins)
 - project management capabilities
 - collaboration between users

Day One

- available on Android, MacOS, and iOS
- End-to-Encryption
- Syncing across Devices
- Markdown authoring of entries
- Location, weather, date, time, and other metadata automatically with entries
- reminders to edit/update journal
- categorize journal entries
- sharing/exporting methods for journal
- can include voice notes, videos, and pictures
- multiple ways to view entries (by category, by date, through a sidebar-menu, etc.)

What it doesn't have

- Dedicated support for software development related journaling
- integrated support with developer/productivity tools like GitHub and Jira
- Real time collaboration features

Grid Diary

- Asks probing questions to spur thought for journal entries
- Can keep multiple different journals
- Provides journal statistics for users to view
- Features Mood Tracker (Sentiment Rating like from Class) for journal entries
- Has sync/backup options to enable cross-device support

What it doesn't have

- Catered towards short journal entries rather than long-form entries
- see Day One section as similar features are lacking here as well

RedNotebook

- Open source diary and journal software for Linux, Windows and Mac
- Calendar-based organization
- Makes word-cloud maps for entries (what is the benefit to this?)
- Basic/Clunky UI relies on Users to expand its full potential (somewhat the nature of an OpenSource platform like this)

What it doesn't have

- Cloud/Sync functionality
- Mobile version/access
- Advanced task management assistance (reminders, tasks/to-do lists, etc.)

Notion

- Productivity-focused organization, notetaking, and journaling app
- Mac-inspired interface
- Sort of a digital commonplace book (meant to combine work, life, academics, and all-purpose notes/journaling)
- Collaborative editing and AI-assisted tools available
- Task list with priorities, authors, due dates, tags

What it doesn't have

- Data security (known for leaks)
- small scope (very generalist and maximalist)

Jupyter Notebooks

- Very minimal from a journal point of view
- Catered towards including code blocks
- features run time environment for scripts

What it doesn't have

- not as clean of a UI for user-friendliness
- not intuitive/accessible for task lists and other journal related features

Taiga

- Shows you what you are working on
- More oriented to tutoring
- Minimalist, simple UI and coloring scheme

What it doesn't have

- Not really a work journal app

Homepage layout:
Dashboard (like grid
diary)
Show recent tasks
1 click link to history of
all tasks

Dashboard

Priorities
Tags
Person assigned/managing
Task descriptions:
- text
- Images
- links
- code blocks

Task lists
with deadlines, topics, and
retrospectives after
finished

- As a **developer** using the product, I want to be able to see all my tasks in chronological and priority order, so I know what to do next and don't get overwhelmed.
- As a **developer** using the product, I want to be able to break down bigger tasks into smaller one, so I can show incremental progress.
- As a **college student** majoring in Computer Science, I want to keep records of each course I took, each project I participated in, and each internship experience, so that I'm clear about what are my skills and strengths and will be prepared for job interviews.
- As a **college student** majoring in Computer Science, I want to be able to track my technical growth by looking at past projects and quality.
- As a **college student** majoring in Computer Science, I want a shareable page to show off my greatest achievements as a student developer based on completed projects.
- As a **developer for large technology company**, I want to keep track of my work accomplishments in a secure fashion in order to ensure confidential company information does not get leaked so that I can still keep track of my accomplishments for promotion purposes.
- As **developer**, I want to be able to track my progress with journal entries as they related to various GitHub issues so that I can maintain stats with my overall developer productivity and how many tasks I am able to complete.
- As a **product manager**, I want to view my developers working progress on various tasks so I can see how productive they have been and where they are actively with the work they have assigned.



Project 1

Filler description text of project



Card Title

Secondary text



Task 1

Due:



Card Title

Secondary text



Task 2

Due:



Card Title

Secondary text



Task 3

Due:



Card Title

Secondary text



Dark mode

