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# Developer focused Task Prioritization Tool

Team 07

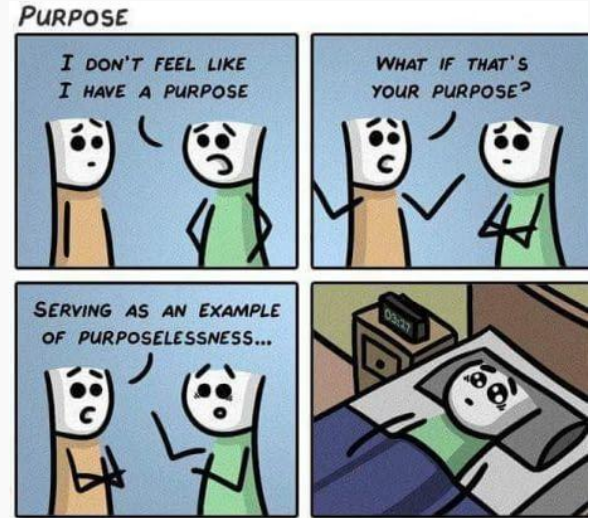
CSE 210 | Fall '24

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# Statement of Purpose

**Mission:** Empower developers with a structured tool to prioritize tasks based on urgency and importance.

**Vision:** Become the go-to task prioritization tool for developers and teams worldwide, fostering organized and productive work environments.



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# Statement of Purpose

## Objectives

1. **Enhance Productivity:** Efficient task prioritization for high-impact activities.
2. **Reduce Overwhelm:** Clear visual task representation to manage workloads.
3. **Facilitate Collaboration:** Support team sharing and alignment on priorities.
4. **Adapt to Workflows:** Customizable features for diverse development environments.
5. **Promote Work-Life Balance:** Effective task management for healthier work-life balance.

# User Stories



# User Stories

## Wanda Ring - “Can’t focus engineer”

Wanda is a developer who struggles with maintaining focus amidst frequent interruptions and context switching. Her projects often require her to shift between tasks like developing new features, fixing bugs, and addressing client feedback. This constant switching disrupts her workflow, slows down her productivity, and makes it difficult for her to stay on track with her priorities.



**Quote:** *"Staying focused is my biggest challenge. The Eisenhower Matrix helps me prioritize and regain control over my task flow after interruptions."* – Wanda, Front-End Developer

## Will Power - “The Overloaded Developer”

Will is a 32-year-old full-stack developer from Austin, Texas, with 8 years of experience. He struggles with task prioritization in a busy workload and often finds it challenging to focus on the most impactful tasks. Using the Developer Eisenhower Matrix, Will organizes his tasks by urgency and importance, helping him reduce stress, stay productive, and focus on what truly matters.

**Quote:** *"Staying productive isn't just about doing more—it's about doing what matters most. The Eisenhower Matrix helps me see through the noise and focus on real progress."* – Will- Full-Stack Developer



# User Stories

## Justin Tyme - “Last-minute developer”

Justin relies on the pressure of looming deadlines to fuel productivity. He is skilled at thinking on their feet and coming up with solutions under time pressure. He feels a burst of motivation and clarity when deadlines approach.

**Quote:** *"I'm not taken seriously at meetings because I have no update, but I always get things done... Probably better than others."* – Justin, Software Developer



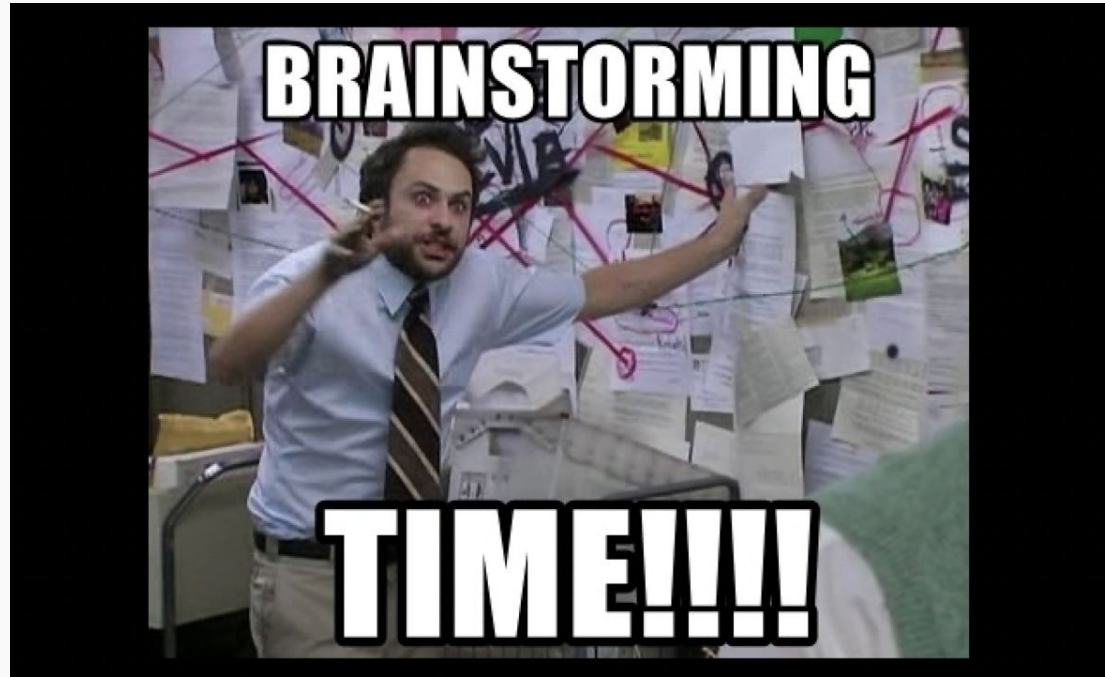
## Paige Turner - “Overplanning Developer”

Paige loves filling page after page with plans and notes but takes their time getting to the coding part. Known for thoroughness and high-quality code, her planning-heavy approach can sometimes delay project execution, frustrating colleagues who expect faster progress. However, once she starts coding, she is efficient and usually delivers bug-free code.

**Quote:** *"I'd rather spend a few extra days planning than risk losing time fixing mistakes later. If I have a solid plan, I know the rest will go smoothly." "I never seem to start on these projects I have in mind."*



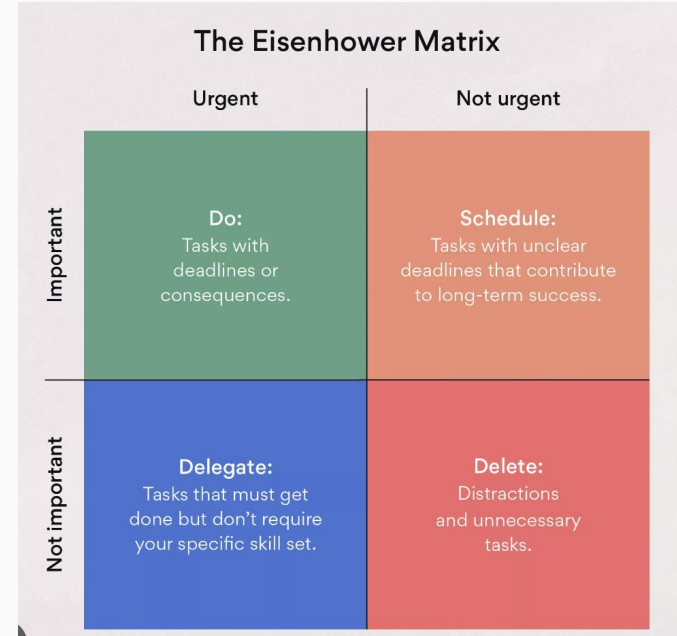
# Ideation



# Ideation

## Must have features

1. Eisenhower Matrix Visualization: A 2x2 grid where tasks are organized into categories shown above
2. Task Entry and Categorization: Ability to add tasks with details and deadlines, and assign them to the appropriate quadrant - Pretty useful for Will Power to clearly prioritize!
3. Priority Summary: Quick summary showing the number of tasks in each priority category, helping users see at a glance where most of their workload lies - a simple summary will reduce Paige Turner's blood pressure!





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# Ideation

## Should have features

1. Progress Tracker: Charts that are a representation of completed tasks in each quadrant to show progress over time - Justin Tyme will make more regular progress if the pending tasks are sitting right there in his face!
2. Filter and Sort Option: Ability to sort by due date/sprint end date/project deadline - A readily sorted list can cure Wanda Ring's ADHD!

## Nice to have features

1. Team Sharing: Ability to log in using validation & authentication to view entire team's chart
2. PDF option: If authentication isn't within scope of project, we can add the ability to export the chart to a pdf/doc or csv so that the entire team can view and share the document

# Wireframes



# Wireframes

Page 1: Landing Page

A hand-drawn wireframe for a landing page. It features two input fields for 'Username:' and 'Password:'. Below these fields are two buttons labeled 'Sign Up' and 'Sign In'.

Page 2: Sign Up Page

A hand-drawn wireframe for a sign-up page. It includes input fields for 'Username:', 'Password:', 'Confirm Password:', and 'Email:'. At the bottom, there are two buttons labeled 'Back' and 'Confirm'.

Page 3: Main page

A hand-drawn wireframe for a main page. It features a table with two columns: 'Task' and 'Date'. The first row contains 'Task 1' and 'Date', and the second row contains 'Task 2' and 'Date'. To the right of the table is a red circle with a plus sign. In the top right corner, there is a 'Log out' button.

Add Pop-up :

A hand-drawn wireframe for an 'Add Pop-up' dialog. It includes input fields for 'Task Name:' and 'Deadline:'. Below the deadline field, it shows a date and time format 'DD/MM/YY 00:00 am'. There is a 'Description:' field below that. At the bottom, there is a slider for 'Importance' ranging from 'not imp.' to 'Very Imp.', with a blue square indicating a selected value.

# Wireframes

Page 1: Landing Page (log-in page)

### Sign in

Login

Don't have an account? [Sign up](#)

Page 2: Sign up page

### Sign up

Back

Confirm

Page 3: Main Page

Sign out

Urgent

DO it now

Important

Task 1 Name MM/DD/YYYY ×

Task 2 Name MM/DD/YYYY ×

Not Urgent

DECIDE when to do it

Task 1 Name MM/DD/YYYY ×

Not Important

DELEGATE to someone

Task 1 Name MM/DD/YYYY ×

Task 2 Name MM/DD/YYYY ×

Task 3 Name MM/DD/YYYY ×

DELETE this task

Task 1 Name MM/DD/YYYY ×

+ Add Task

Pop-up: Adding a task

Task Name:

Deadline:

Description:

Importance

Not Important

Important

Confirm

# Rabbit Holes



# Rabbit Holes

## Levels of priorities

We need to decide how to organize priority of tasks within a given quadrant i.e how much granularity we should have to organize priorities within a quadrant

## Multi - User Interactions

When one user gets a lot of delegated tasks how will the tool take care of which quadrant to assign to? How to avoid infinite delegation? Such unanswered question led us to not include this feature.

## Ease of User

Had one user requirement for ease of use through plugins in VSCode which serve as shortcut to enter data which are logged in matrix. However, was rejected due to no experience in JS/TS.

## Backend Considerations

Need to take care of backend like storing webpage, user data etc. Another reason we rejected multi-user as need to maintain a lot of backend for it.

Thank you!