

## Statement of Purpose

The purpose of this Pomodoro timer is to provide users with the ability to easily structure, control, and automate their productivity sessions at their will. This timer is built to be intuitive, customizable, and efficient to integrate into any user's workflows. It includes features such as automated Pomodoro sessions, task management, and a place to note down distractions for when users may get distracted, for analytics purposes.

## Risks and Rabbit Holes

- Activity metrics
  - It may be more difficult than we think to log all the data and record how much time a person was working for. The distraction counter might be easy, but then visualizing and graphing all the data we are trying to record may be hard. We have also not tried to design what the metric visualization will look like.
  - There seems to be a lot of potential individual data items that we can log, but we need to figure out which we should focus on and how we will visualize it, which could be a potential risk
- Pomo visualization
  - We want users to be able to use the timer in different ways, some with a task list and some without, some with specified amounts of pomos and some with a default.
  - It may take a lot more work than we think to go through all the options and code/style all the different things if it's not going to be uniform
- Interaction during pomodoro
  - If we do not decide exactly how much the user should interact with the app while the timer is going, we may run into a rabbit hole of trying to figure that out and communicate what we think is best down the road
- Settings
  - We could go down a potential rabbit hole trying to give our users a bunch of options of what to do with our timer. I think we should stick to maybe less than 5 options so that we don't run into more and more ideas that we want to add which will delay us from working on other things
  - Also, having a bunch of settings might overload the user with functionality, despite the facts that we may not even have enough time to implement all of the mixed functionality

## User Personas

### College Student

- Values customizability for different types of work sessions
  - e.g. studying, doing homework, watching lectures
- Gets distracted more often from various sources such as social media, roommates, friends, and would thus need a way of keeping track of distractions

### Software Engineer

- Works on most daily tasks on a computer
- Prefers using automation tools over manual labor
- Often works on complex tasks that may warrant more detailed tasks descriptions when managing to-dos
- Needs to take adequate breaks from thinking, sitting down, and staring at a screen for most of the day

### Emailing Ed

- Checks emails and does busy work most of the day
- Has many small tasks to do that need to be remembered
- Gets distracted calling people and can talk for hours when there is other things to do
- Wants to scroll through Facebook in spare time and gets lost in the confessions page, needs a list of tasks and time reminders to remain focused
- Also needs to take adequate breaks from thinking, sitting down, and staring at a screen for most of the day

### High school student

- Wants to get homework done so that they can hang out with friends
- Has specific assignments that they are assigned to work on
- Likes to go on Instagram and scroll through memes when they get bored of homework, needs a way to keep from endless scrolling
- Has a decent amount of time but isn't great at time management

### Sleep Deprived Researcher

- Always busy with research papers and grants
- Often loses productivity due to sleep deprivation
- Needs time management in order to enforce work and rest schedule

### Child with ADHD

- Helps the child study and focus on doing work instead of prescribing drugs to children at such a young age.
- 5 minute break is a reward for the child after focusing, with enough time child learns how to remain focused and not give attention to distractions

### CEO

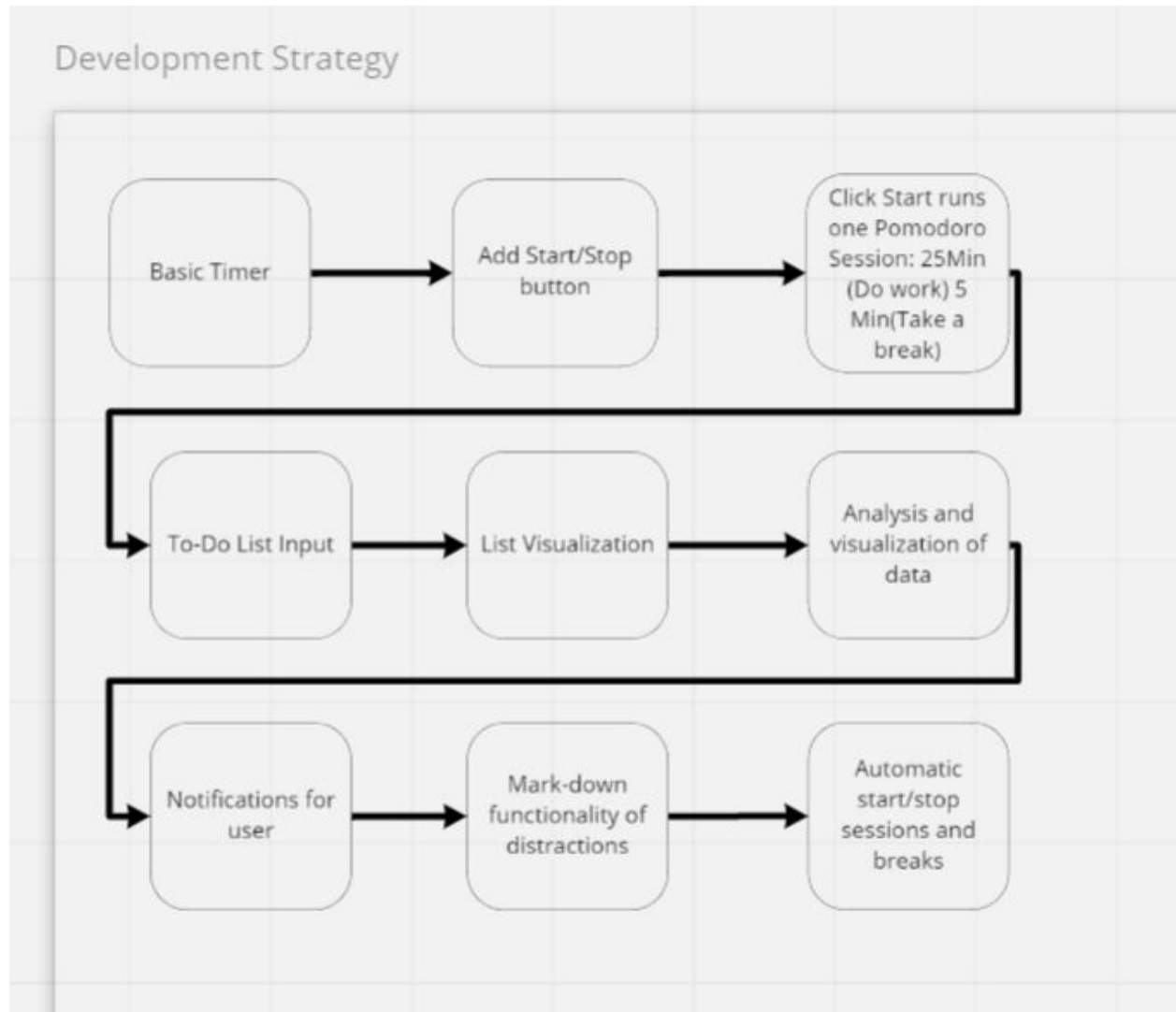
- Has to manage entire companies and make sure everything is flowing smoothly.
- Constant work and stress gets built up, Pomodoro techniques help increase work productivity but also increase motivation

### Project Team

- Lots of distractions when you have a big team and off topic conversations
- Team wants to socialize instead of do work.
- Pomodoro Timer will reward the team with 5 min breaks to socialize and help increase overall team chemistry

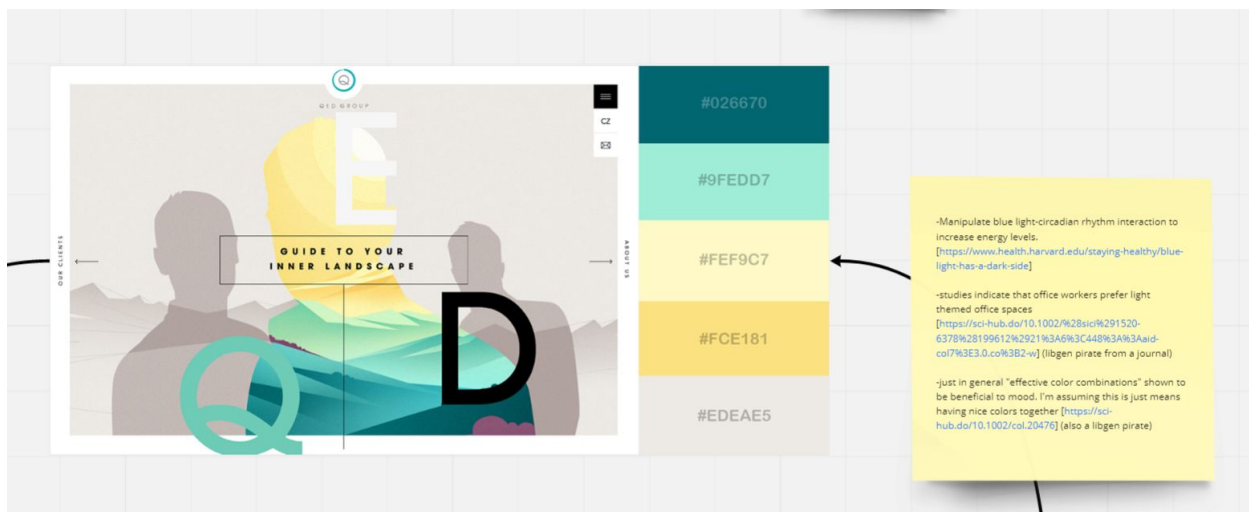
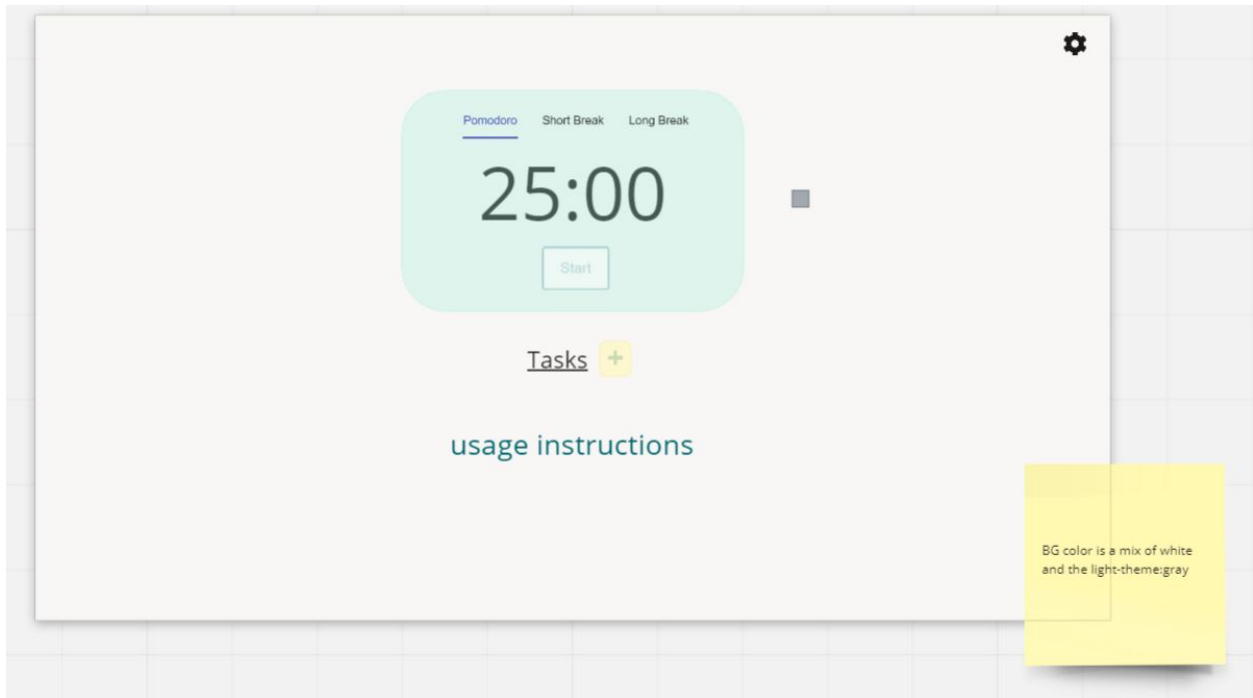
## Visual Diagrams

### Development flow



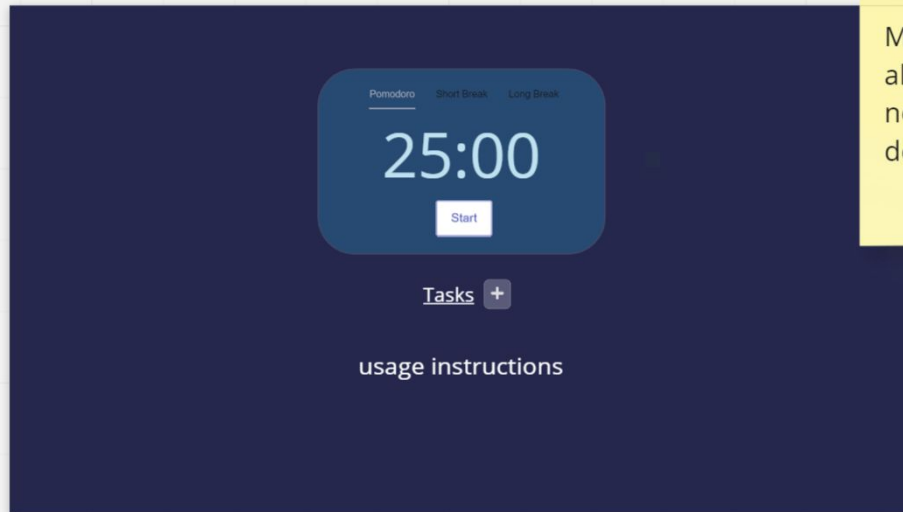
## UI Color Theory

Light Mode:



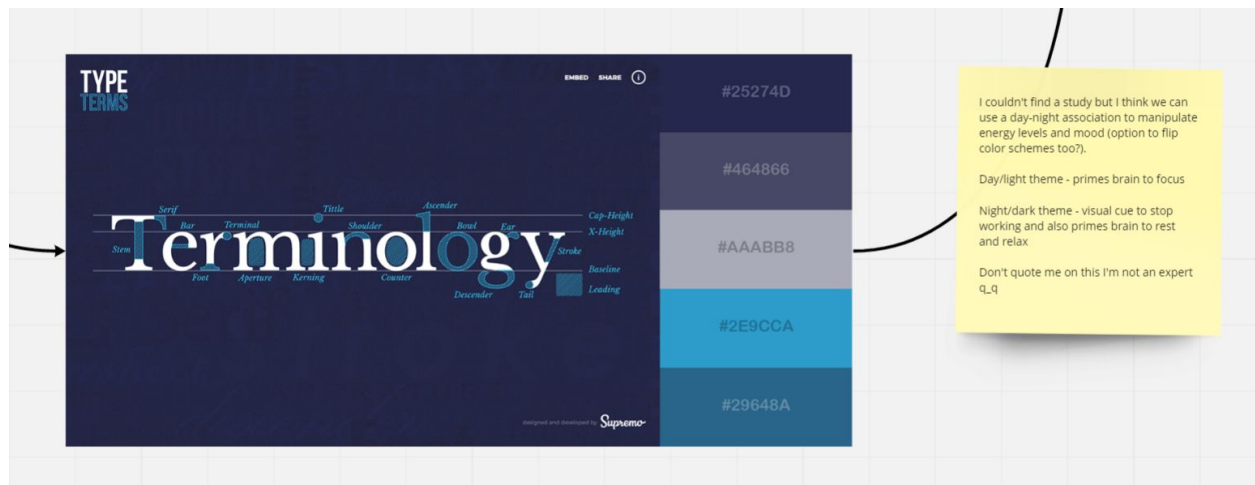
Dark Mode:

Copy of Landing Page



Maybe we can  
also add some  
neumorphic  
details





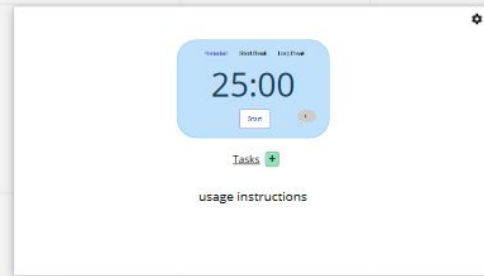
I couldn't find a study but I think we can use a day-night association to manipulate energy levels and mood (option to flip color schemes too?).

Day/light theme - primes brain to focus

Night/dark theme - visual cue to stop working and also primes brain to rest and relax

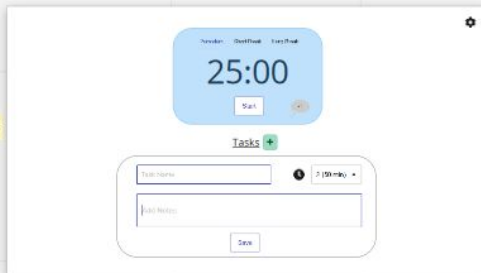
Don't quote me on this I'm not an expert Q\_Q

Landing Page



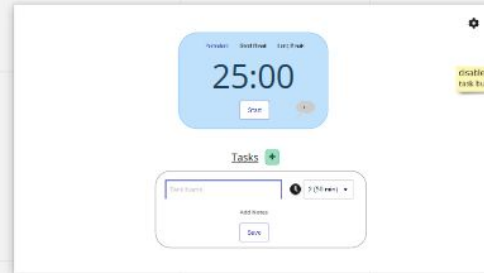
Add Notes

Expanded the  
"Add Notes"



Add Task Popup

disable add  
task button



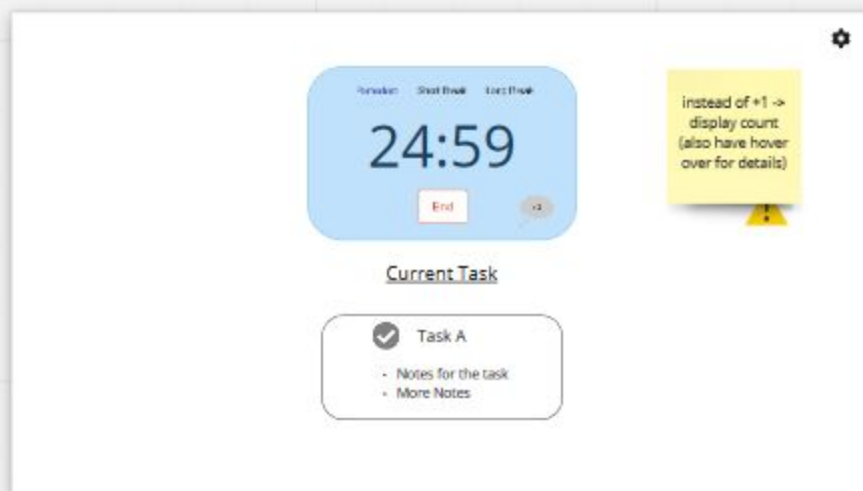
Task Added



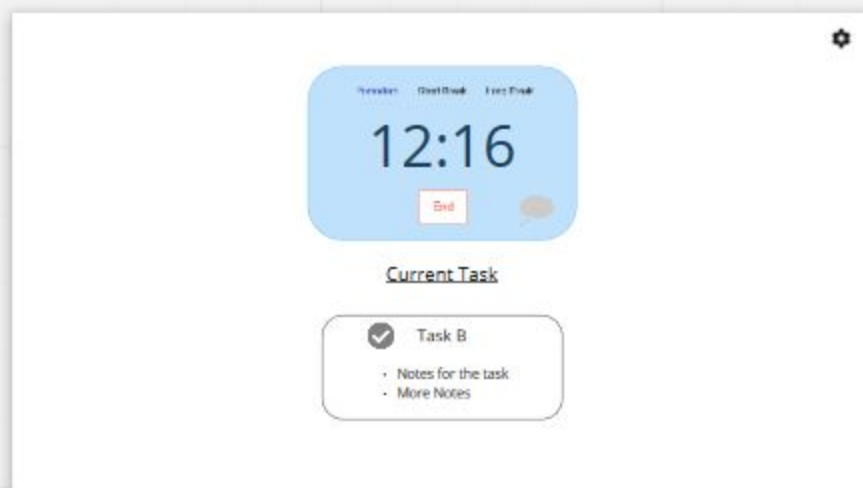
## Task Expanded



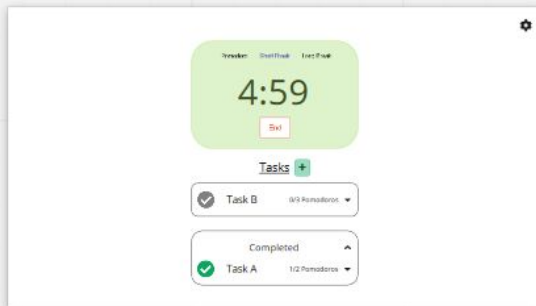
## Timer Start



## Complete Task During Session

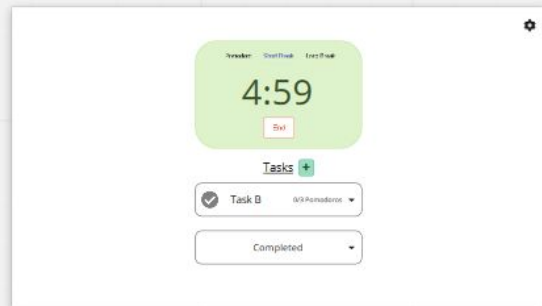


Completed Task Dropdown



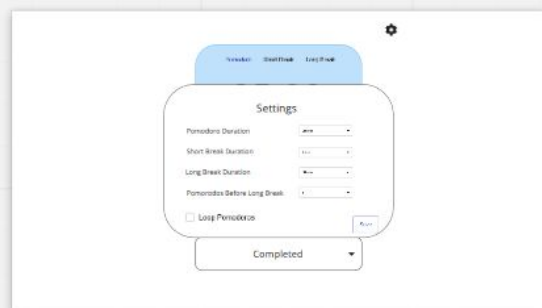
The UI shows a green timer box at the top with the time '4:59' and a 'Set' button. Below it is a 'Tasks' section with a plus icon. Under 'Tasks', there is a 'Task B' entry with a checkmark and '0/3 Pomodoro' dropdown. Below that is a 'Completed' section with an up arrow. Under 'Completed', there is a 'Task A' entry with a checkmark and '1/2 Pomodoro' dropdown.

End Work Session / Start Break



The UI shows a green timer box at the top with the time '4:59' and a 'Set' button. Below it is a 'Tasks' section with a plus icon. Under 'Tasks', there is a 'Task B' entry with a checkmark and '0/3 Pomodoro' dropdown. Below that is a 'Completed' section with a down arrow.

Settings Popup



The UI shows a settings popup with a blue header bar containing 'Pomodoro', 'Short Break', and 'Long Break' tabs. The 'Settings' title is centered. Below the title are four settings: 'Pomodoro Duration' with a dropdown, 'Short Break Duration' with a dropdown, 'Long Break Duration' with a dropdown, and 'Pomodoro Before Long Break' with a dropdown. At the bottom left is a checkbox for 'Long Pomodoro' and a 'Reset' button. At the bottom right is a 'Completed' dropdown.

# Application Functionality

## Requirements:

- Basic Pomodoro timer
  - Start button for starting initial work session
  - Stop button to stop work session
    - Should set timer to 0
- To-do List
  - Text input for task name
  - Number input for # Pomodoros for each task
    - 1 Pomodoro = 25 minutes work + 5 minute break
  - Text input for notes
  - Can add to-dos initially and during the sessions
- Automated work/breaks
  - 25 minutes of work immediately followed by 5 minutes break (automatically starting after work session ends)
  - After 5 minutes of break, timer then stops and waits for user to start next Pomodoro
  - After 4 Pomodoro sessions, a longer 30 minute break is started
  - Finally, after the longer 30 minute break, the user can start another session
  - User can check a box to specify if they want to auto-start work sessions after breaks (so there's no stopping after the 5 minutes)
- Distraction metrics
  - If a user gets distracted during a Pomodoro session, they can optionally mark down that distraction (as a count) on that current task
- Activity metrics
  - When a user checks off a task, the number of actual Pomodoros it took to complete the task is recorded
  - Users can open up an activity window to see expected vs. actual Pomodoros for each task
  - Total work time is displayed
  - Number of distractions is displayed per task
  - Total number of distractions for the session is displayed