Pomodoro Technique Timer

Group 23 : Anything You Want!

The Problem:

People lack focus in completing the work they need to get done, struggling with productivity and time management.

Using the Pomodoro Technique can help increase focus and reduce distractions.

User Personas

Samantha Smith

AGE: 17
EDUCATION: High School
OCCUPATION: Student
LOCATION: San Jose
TECH LITERACY: Medium/Low

> " My friends have been motivating me to be more productive, but finding a way to stay focused makes my head hurt!

Bio

Samantha is a Senior in high school who is simultaneously taking AP classes and playing on her school's Basketball team. She is very stressed about college admissions and needs a tool to better manage her time.

Core needs

- Needs to weed out distractions like social media and procrastination to maximize her productivity time
- Keeps her on-track with schoolwork and extracurriculars so college admissions go smoothly and her grades improve
- Alleviates her heightened stress from time-crunches and managing time appropriately

Frustrations

- Has trouble focusing on a task for an extended period of time
- Clutter and distractions heighten her anxiety, especially with approaching deadlines
- Feels like she does not ever make effective use of her free time

Personality

Ambivert   Unorganized   Lively

"As a busy student, I have been able to more efficiently complete my homework, leaving more time for my extracurriculars and college applications. I especially like how simple the timer is to use and start with just one button."

Joshua Redman

AGE: 22
EDUCATION: College
OCCUPATION: Musician and Student
LOCATION: New York
TECH LITERACY: High

> " I hate being unprepared before a gig. I wish there were a better way to organize my practice sessions.

Bio

Josh is an undergrad looking to get his Bachelor's in Music Performance at Berklee. He balances his time between practicing Saxophone, spending time with his significant other, and staying on top of his classes. He would like to get more done with each practice session.

Core needs

- Needs a way to learn music for upcoming performances more efficiently
- Wants more time to spend with his significant other
- Wants some way to have more directed practice sessions, focused on specific tasks

Frustrations

- Doesn't prepare practice materials ahead of time
- Ends up spreading practice time too thinly across different tasks
- Finds most productivity apps tedious and too annoying to setup

Personality

Extrovert   Spontaneous   Instinctual

"As a more spontaneous worker, I now find myself planning and dedicating to a singular task at a time, rather than attempting to multitask all my duties. This works a lot better when I need to balance my practice sessions, college assignments, and personal life."
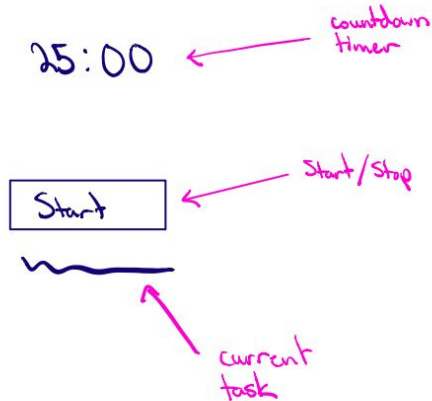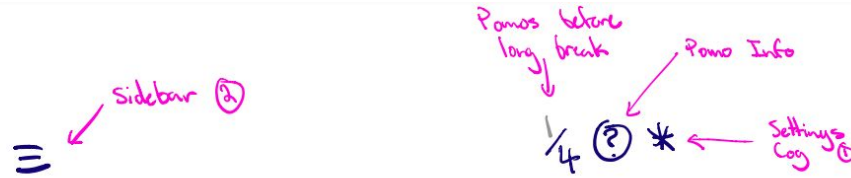
Constraints

Product Constraints:

- **User Interface design**
- **Minimalism style**

Project Constraints:

- **Plain web tech w/o external frameworks**
- **Testing & Remediating**

The Solution:

Countdown timer:
- Displays remaining time

Start/stop:
- Starts the next pomo
- Stops the timer completely

Current Task:
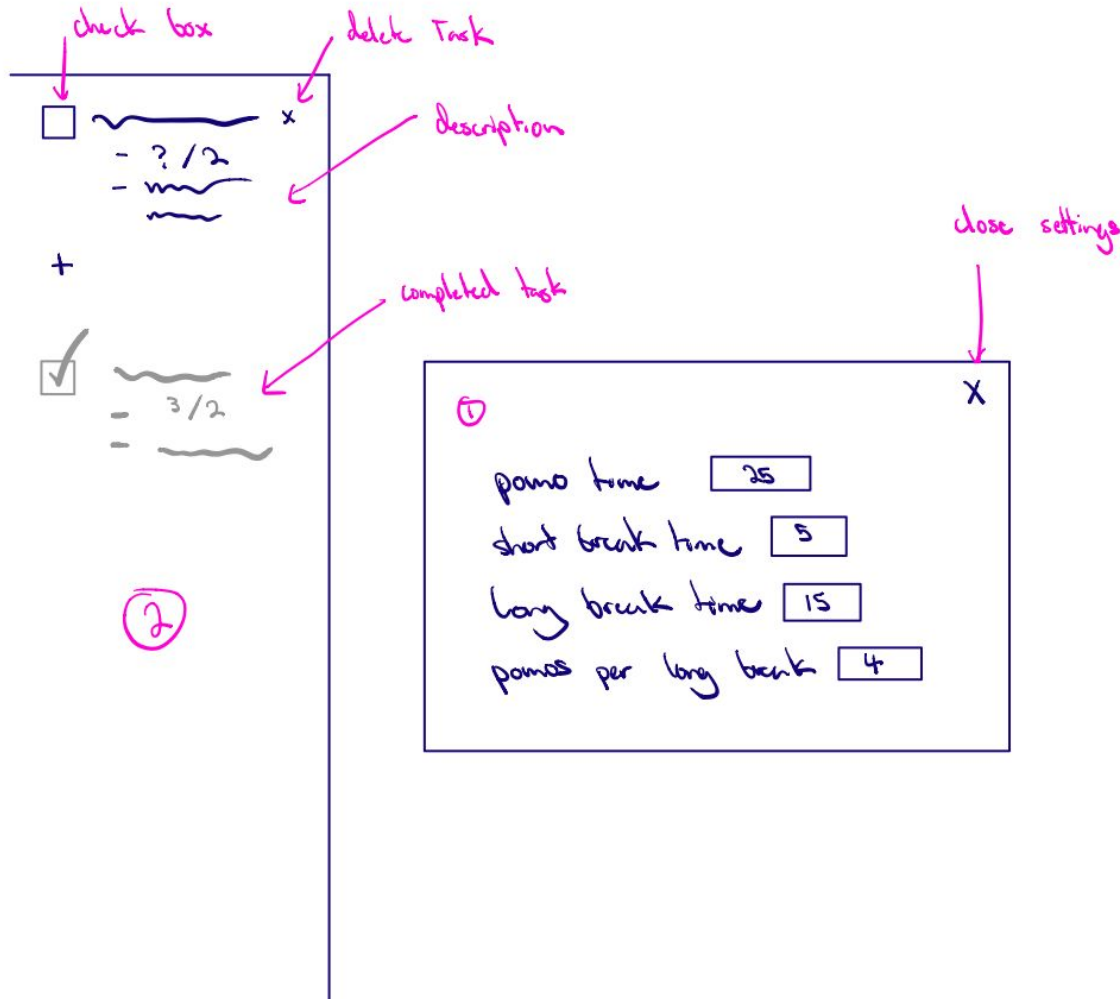- Displays topmost task in tasks menu

Pomo Info:
- Toggles popup with information about the Pomodoro technique and how to use the app

Settings Cog:
- Opens settings window

Sidebar:
- Opens tasks menu

Task:
- First task's number of pomos is incremented each time a pomo ends
- Includes a description of the task
- Check box indicates a task has been completed
- Completed tasks faded out and moved to the end

Settings dialogue:
- Length of a single pomo work session
- Length of the short break time
- Length of the long break time
- Number of pomos until the long break occurs

UML Activity Diagram
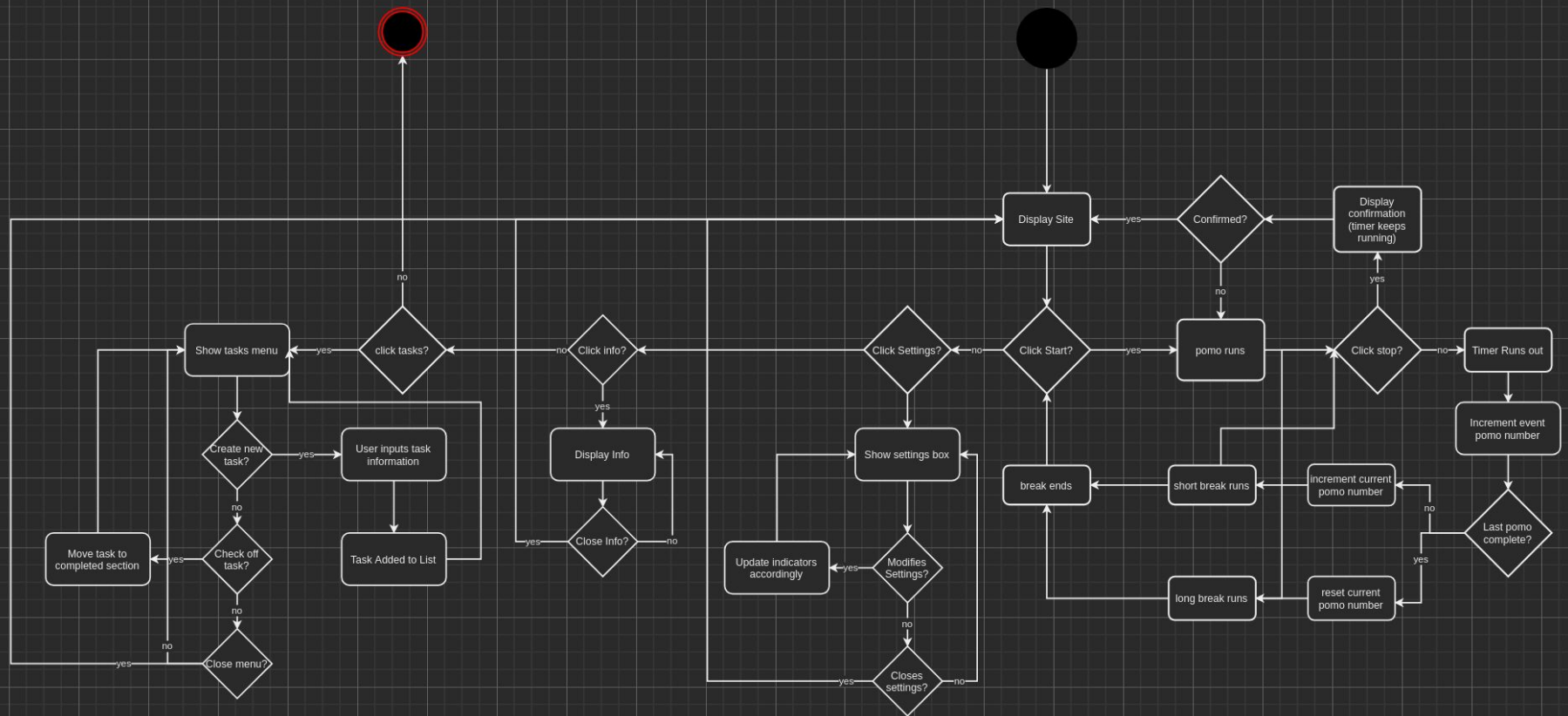
Rabbit Holes

- How to implement saving tasks and settings across sessions
  - Possible solutions: accounts, cookies, browser cache?
- Implementing side bars/popups
  - Task list, info tab, settings tab
  - Have task list extend from side, info tab and settings tab open pop-up boxes over other content.
- Having input affect timer length
  - Use user input to set custom pomo/break lengths on timer.
- Dynamic task list with ability to add/delete task boxes
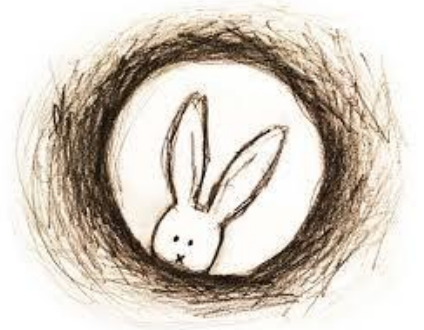
Limitations

- **User data tracking**
    - **Save user data, used for efficiency graphs, saving tasks, etc.**
- **Customizability**
    - **May be less customizable than desired**
    - **Dark mode, custom themes, custom sounds**
    - **Hiding timer**
- **Accountability**
    - **No way to monitor or document distractions**