


Problem Statement

People who primarily work from home face challenges for them to manage their time effectively. The struggle with time management is caused by distractions within the home and the consistent need to multitask, which effects overall productivity.



Amelia Johnson



AGE

32

EDUCATION

Masters in Business

STATUS

Married

OCCUPATION

Small Business Owner

LOCATION

Ann Arbor

TECH LITERATE

Medium

Bio

She currently lives in Ann Arbor She runs a small business focused on designing custom clothing. She manages most of her business operations herself and tries to make time for her cross-fit classes as well as house chores.

Behaviors/Tasks

- Receive online orders and shipping orders on time
- Work on seasonal new design
- Allocate time for house chores

Motivations/Needs

- Effective task prioritization
- Minimize distractions around the house
- Block out some hours for unexpected events

Frustrations

- Unexpected events interrupt with her daily schedule and having work tasks delayed
- Receiving unexpected calls and text while working, causes disruptions during workflow
- Does not like to feel rushed during tasks, nor someone delegating tasks to her





Personality

Extrovert

Talker

Planner

Tools

 Instagram
  Trello
  Google Calendar
  31

“ Unexpected disruptions are the hardest to deal with, sometimes I work extra hours to make up for lost time, which is exhausting

- Uses current schedule builders/ task management applications
- Completes tasks by setting a daily schedule
- Gets distracted from unexpected events, distractions in the home

Andrew Wang



AGE

20

EDUCATION

Bachelor's in Computer Science

STATUS

Single

OCCUPATION

Student, Part-Time Cashier at a local Coffee Shop

LOCATION

Stanford University in Stanford, CA

TECH LITERATE

High

Bio

He is a graduate student studying computer science. His day-to-day activities are focused on coursework, personal projects and his part-time job at the coffee shop.

Tasks

- Planning time to commute to campus and to get to class on time
- Manage his coursework and part-time job
- Making time to study, practice coding and go to office hours

Core needs

- Reduce time spent on phone
- Meeting course deadlines
- Managing Multiple tasks

Frustrations

- Not taking long breaks and getting back on track after the breaks are completed
- Being in a workflow and phone notifications going off that distracts him from his work
- Finding time to meet with classmates for projects and to meet with recruiters for internships
- Not having enough time to complete coursework on projects, which leads to procrastination

Personality

Introvert

Thinker

Problem-Solver

Tech-savy

Schools/Companies





Tools




“ Since I am always on my phone, the notification helps me get back into focus on what to do

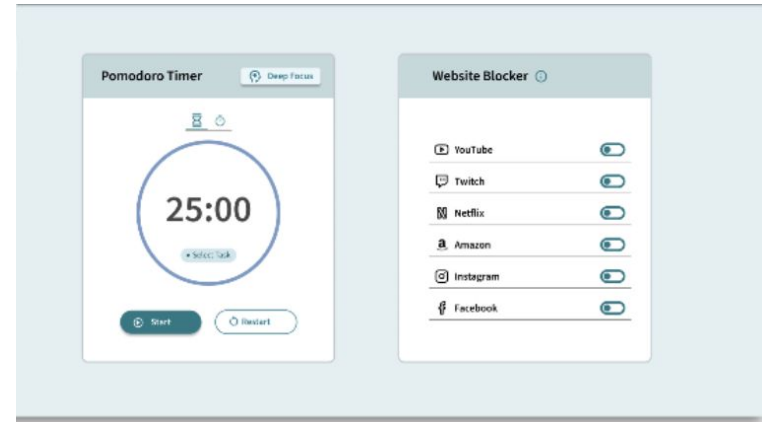
- Gets distracted from social media and taking longer breaks
- Struggles with procrastination
- Faces challenges to build a consistent schedule

User Persona Key Functions



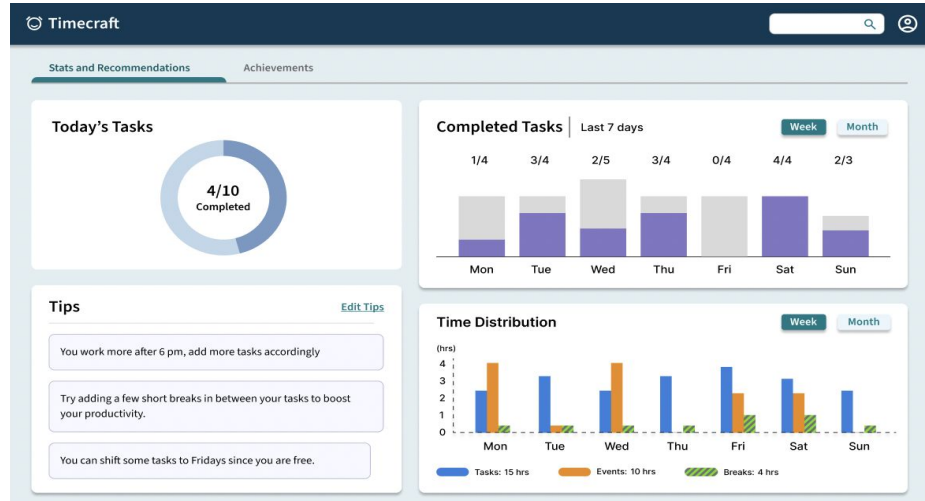
Key Functions:

- Add tasks and events onto the user's dashboard
- Radial Progress Graph: Displays completed tasks
- Website Blocklist: Blocks external websites
- Task Analysis Page: Displays charts of time spent on tasks
- Pomodoro Timer



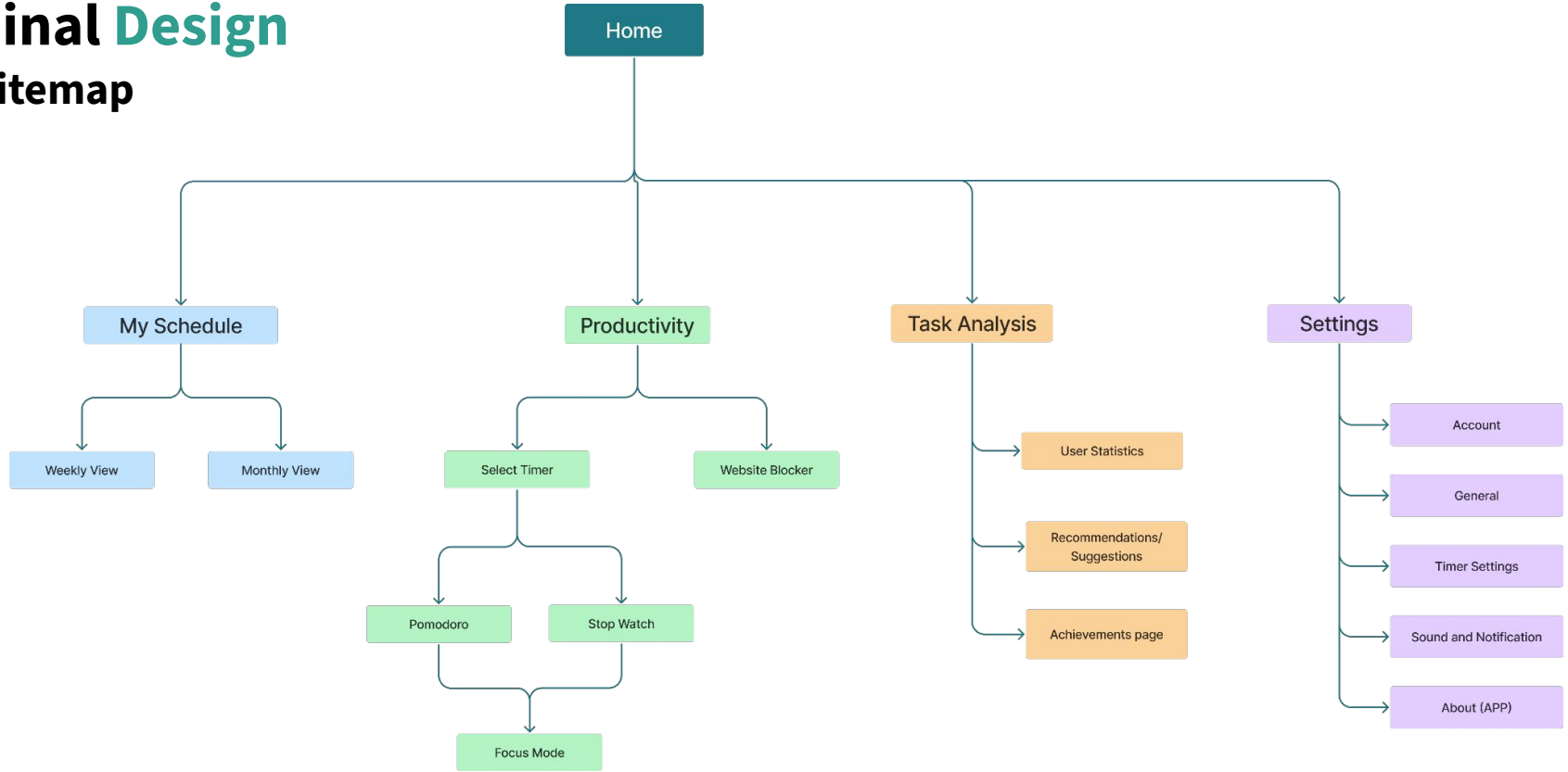
How does this meet the user's needs?

- Users overall expressed how easily they get distracted - the **pomodoro timer** and **blocklist** will help the user to **focus** on one task at a time
- The **radial progress graph** and a **checklist** displays the user's progress of their tasks and their completed tasks
- **Tasks Analysis** helps users to see **visually see where** their time is going



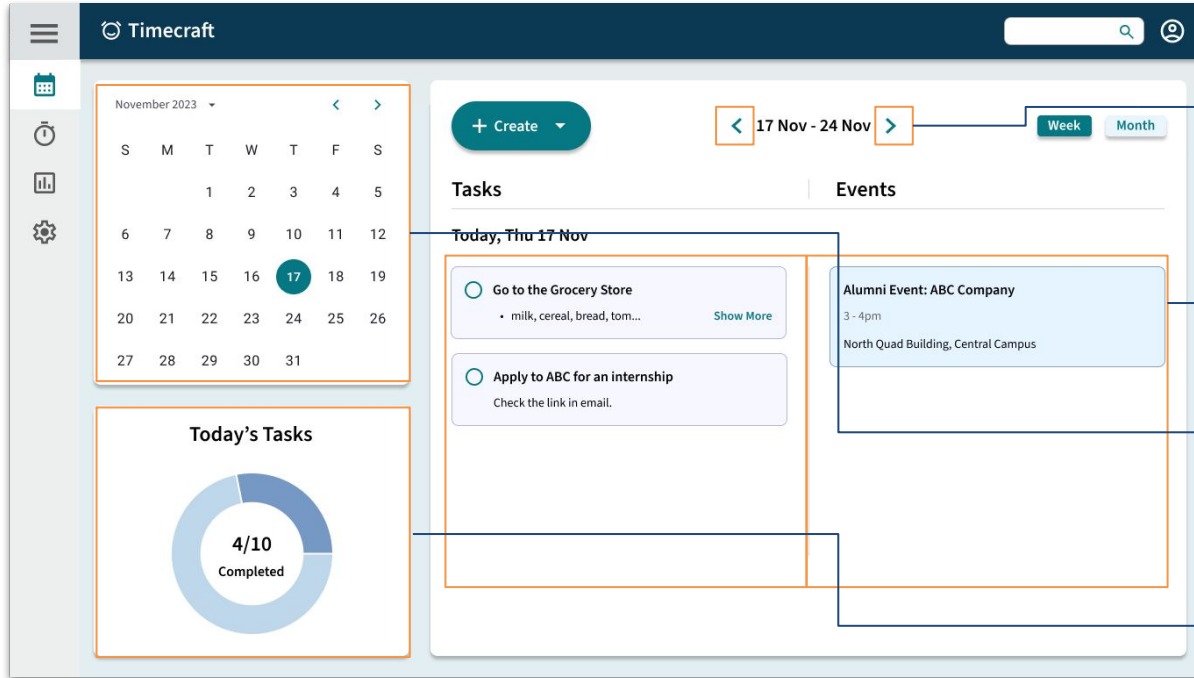
Final Design

Sitemap



What we are excited about

My Schedule Design



A clear weekly view

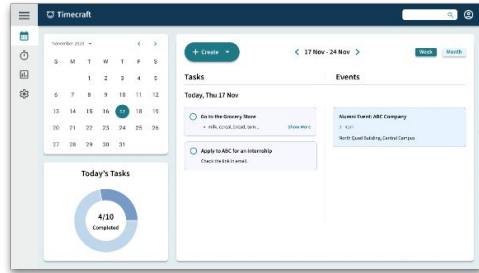
A two-column layout design for tasks and events

Compact calendar widget

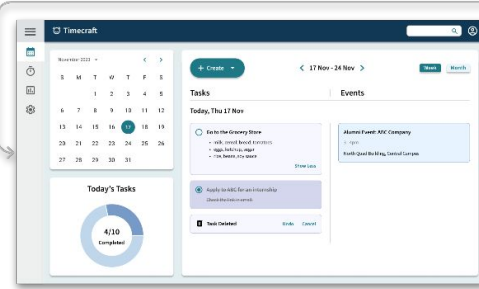
Radial progress bar for today's tasks

My Schedule

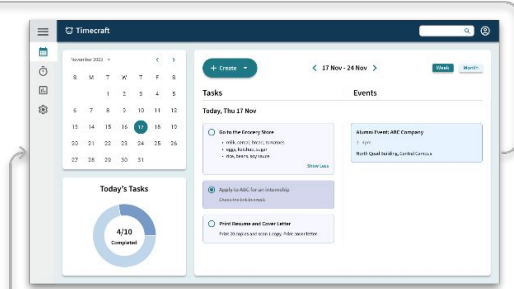
User Flow Diagram



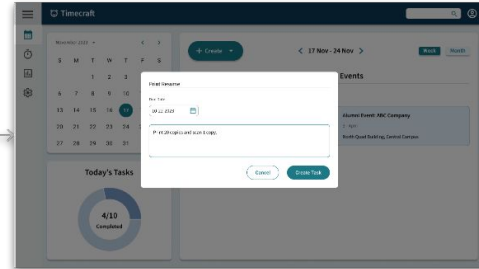
Dashboard



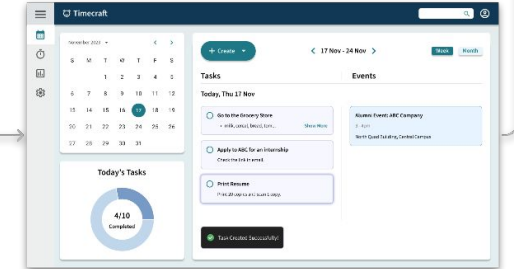
Delete A Task



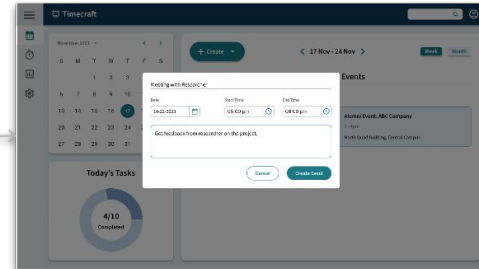
Complete A Task



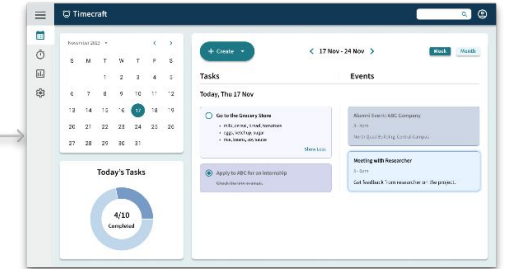
Create A Task



Task Added



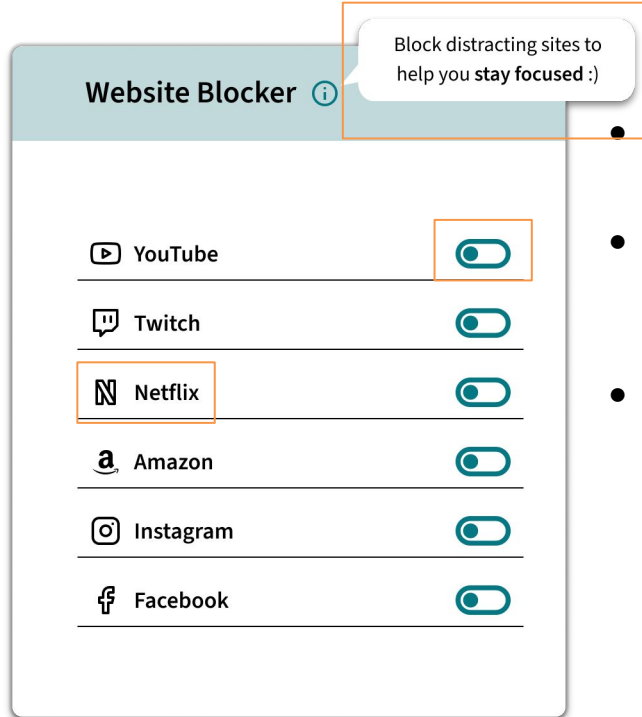
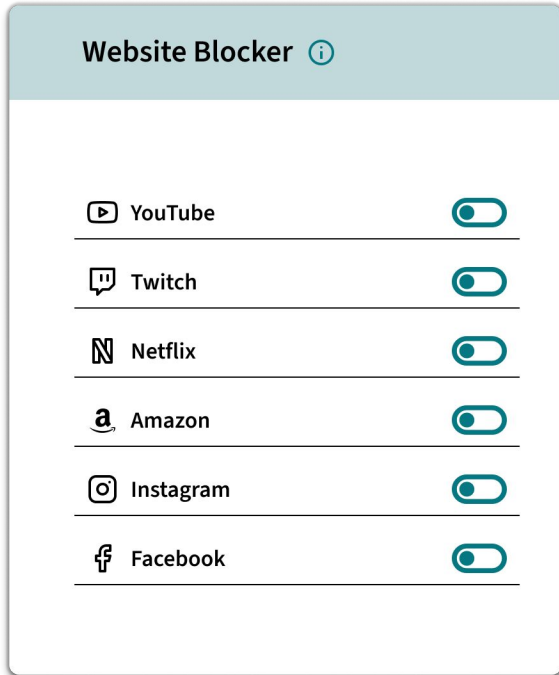
Create A Event



Event Added

What we are excited about

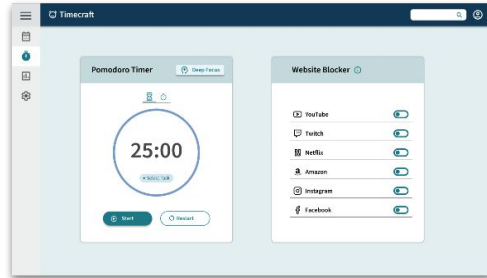
Website Blocker



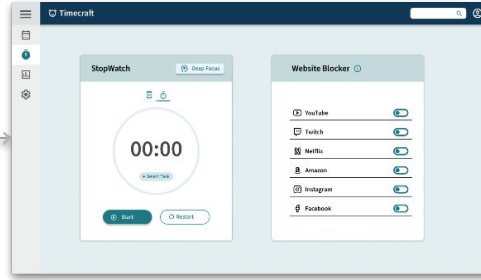
- A simple explanation of the website blocker
- Easy to use and low effort toggles
- Icons for the website

Productivity Tools

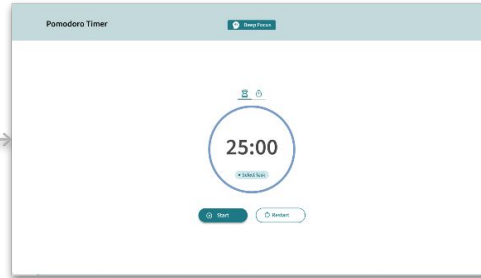
User Flow Diagram



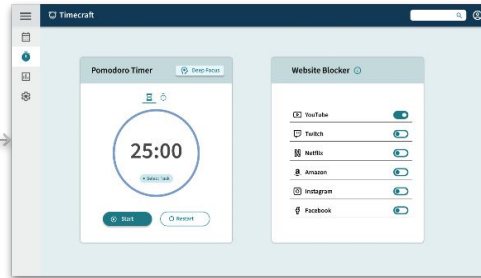
Pomodoro Timer & Website Blocker



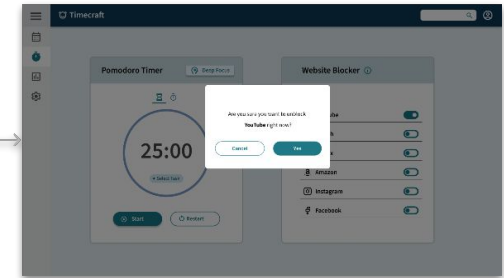
Stopwatch



Deep Focus



Blocking a website



Unblocking a website

What we didn't implement

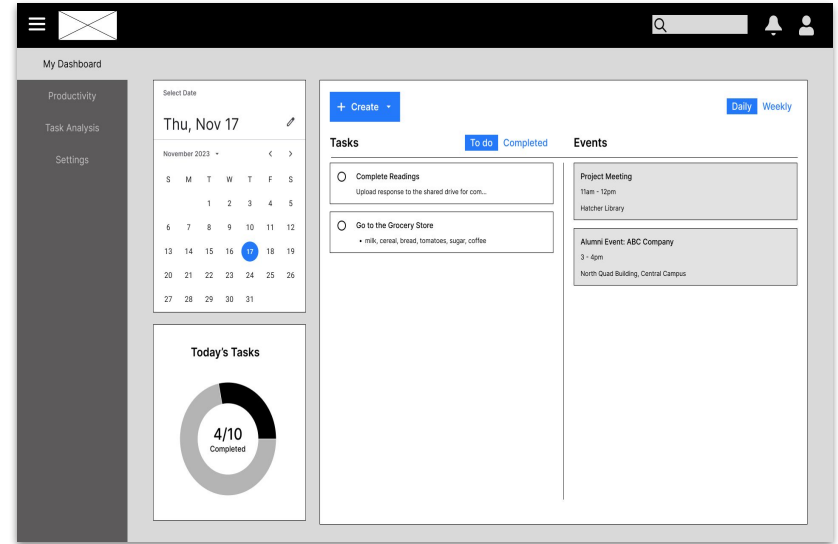
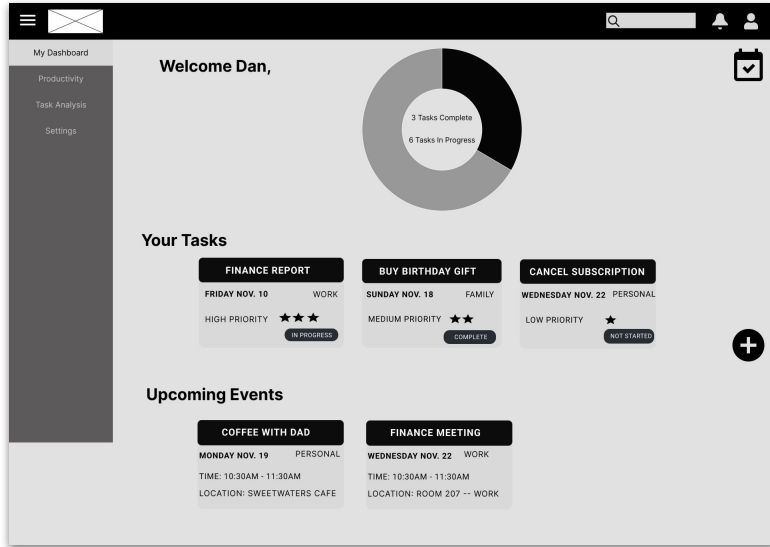
- **Schedule Builder**
 - Complex process while building the dashboard and implementing the functionality
 - Creating a schedule builder would have made the process even more complex
 - On the roadmap for the next steps
- **Monthly View**
 - Plan to add a monthly calendar
 - Users from user interviews and usability test viewed their weekly tasks than monthly tasks
- **Settings Page**
 - Settings page is very standardized across web apps
 - Prototype should focus on the “high-risk” features

Tools and Approaches

Approach	User Interview	Usability Testing	Prototyping
Pros	Direct feedback Deep insight on user frustrations and needs	Real user interaction Observational data	Early feedback Design Iteration
Cons	Can be biased Time & Cost	Controlled setting Scope Limitation	Limited functions Time consuming

Change 1

My Schedule



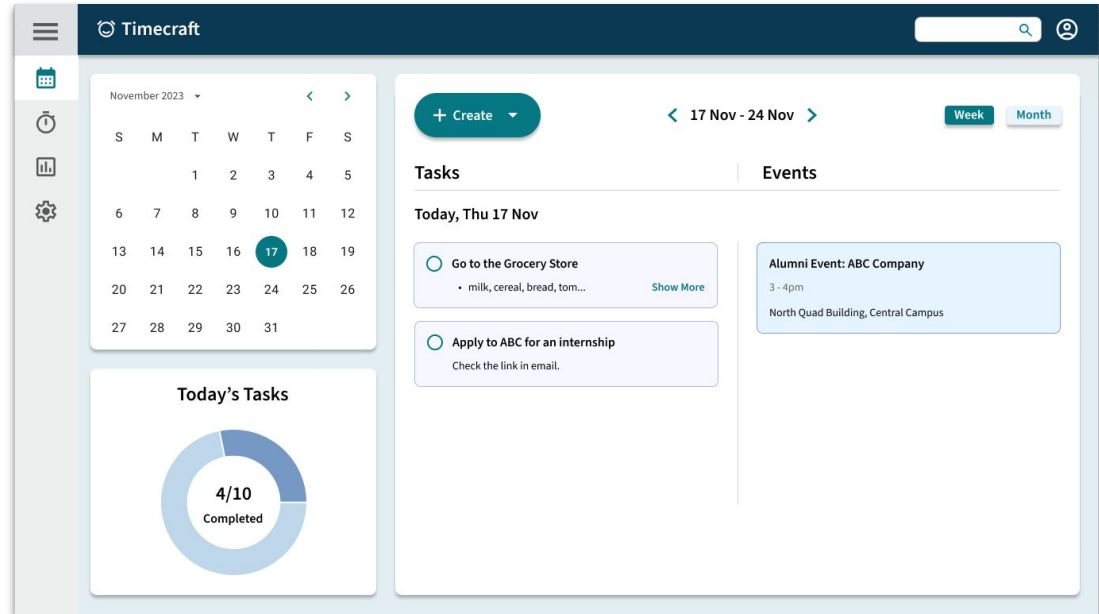
- **Stage 1:** Our design started with showing the user their progress first, and then creating a horizontal view of tasks and events.
- This design was inspired by current time management apps, such as, trello and todoist

- **Stage 2:** The team decided to implement a new design with a simplified view.
- Change was implemented to keep the same layout as the task analysis page, along with supporting the aesthetic and minimalist design heuristic

Change 1

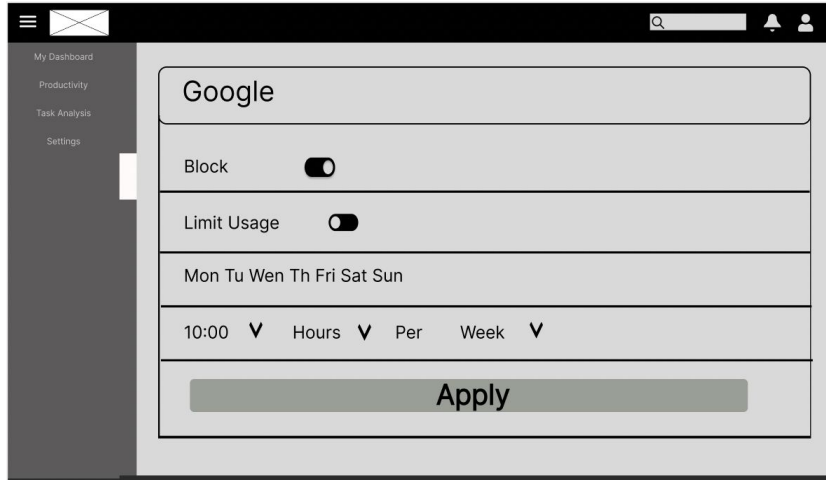
My Schedule

- Default view is Weekly view, instead of Daily Views
- Supports Heuristic 4: Consistency and Standards
 - More users are familiar with viewing tasks/events from weekly perspective
 - Users can view all of their tasks for multiple days in one view
 - Users can click to view their tasks for each week, which minimizes the amount of clicks for the users

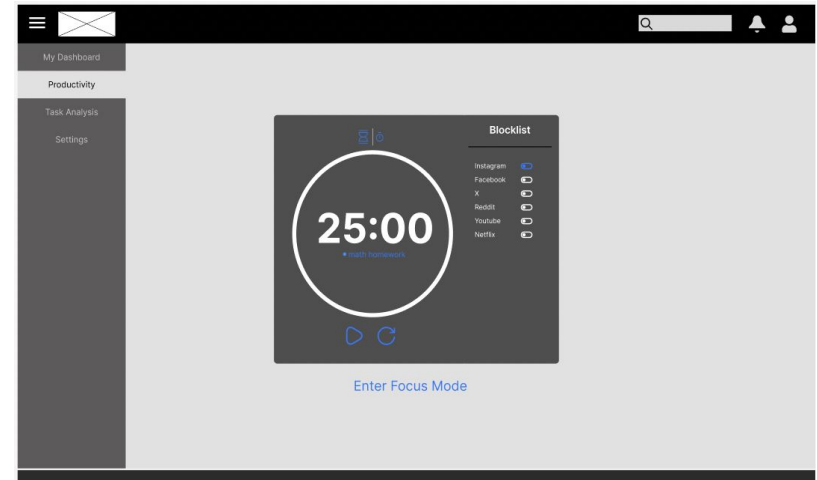


Change 2

Productivity



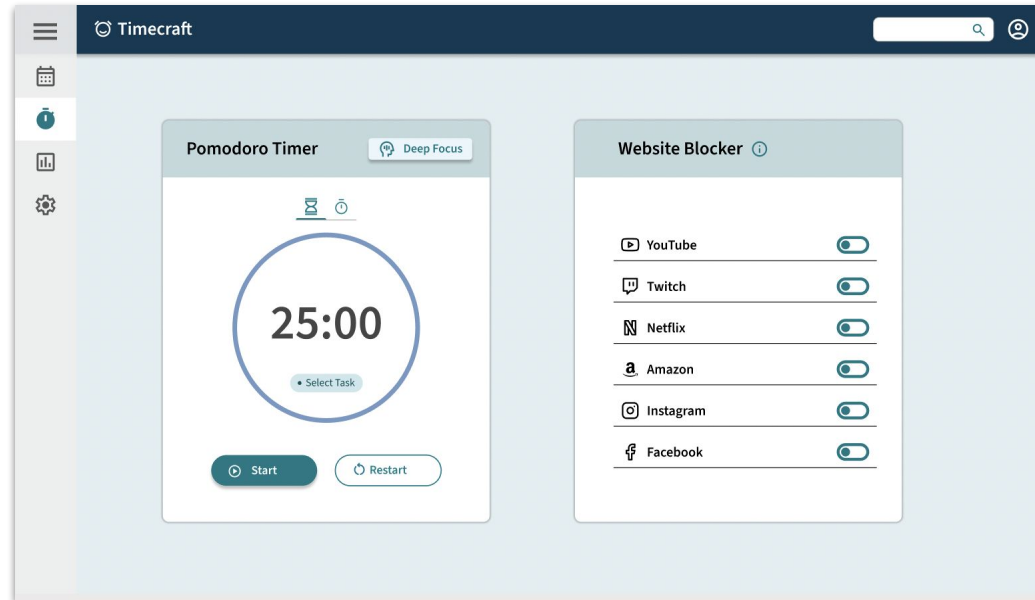
- **Stage 1:** Creating a two separate pages for productivity and website blocker



- **Stage 2:** Our team came into agreement to combine the timer and the website blocker list
- The Timer and Blocklist both serve the same purpose, which is for the user to be productive
- Adding the productivity tools under one tab will help users understand the purpose of the website blocklist.

Final Design

- **Usability Problem:** Users were not able to distinguish the timer and the website blocker.
- **Design Change:** Splitting up the Pomodoro Timer and Website Blocker tab completely



Impact Report

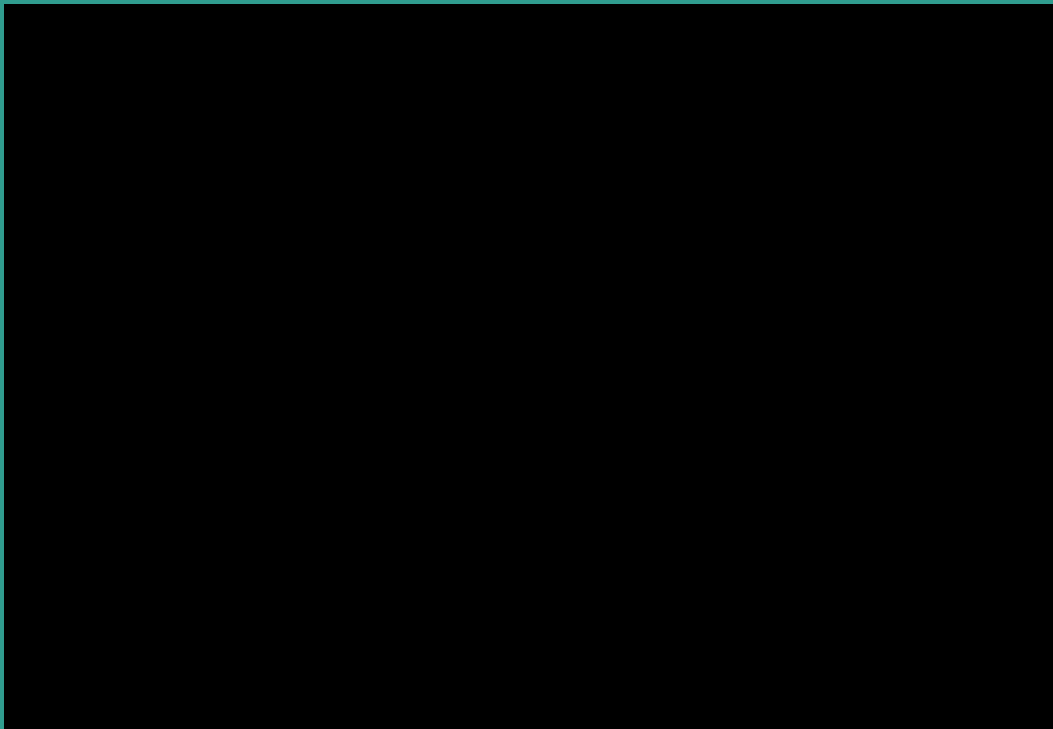
Positive Impacts

- The simple UI and functionality of the application aids in making users feel less overwhelmed while managing their time.
- Users will be able to manage their time more efficiently by actively tracking their tasks and events which in turn would increase productivity.
- The gamification module encourages users to use the application more frequently through positive reinforcement.
- Providing Analytics and Statistics offers valuable insights into habits.

Negative Impacts

- Users can misuse the application to create false data which will downplay the role of data analytics.
- Not being able to complete daily goals might lead to feelings of guilt and stress.

Demo



- Flexibility: Task creation, edit, and marked as complete
- Notification right after the users clicked throughout the process
- Tasks and Event content to be specified in sections
- If more time allowed, more interactive features and contents could be added throughout the dashboard to align with the overall structure of navigation, so that the users can be free-control

Contribution Report

Loren Berry	Created the functionality of the navigation icons for high fidelity wireframes , created the first stages of the dashboard wireframes, helped the development of the user flow diagrams, and site maps. Conducted user interviews and usability test to collect data for target stakeholders. Developed an affinity wall to organize data from user interviews.
Reuben Crasto	Created low and hi fidelity screens for the dashboard (my schedule), task analysis and achievements pages, Impact slides for final presentation, designed the logo and branding, name for the class application. Conducted user interview and usability testing to collect data.
Anhua Wu	Created the productivity page and settings for the wireframe and prototype. Assisted in the re-design of dashboard. Implemented reusable components like navigation bar, buttons and task card for the hi-fi prototype. Conducted user interview and usability testing to collect data.
Boyan Wu	Managed the statistics pages of the final prototype, create demo, user flow video and contribution page for the final presentation, initial build on the blocklists function and typography. Promoted task completion. Conducted user interview and usability testing to collect data.

Thank You For Listening!

