SAVIE

The Productivity Tracking App

Team Limitless | Process Book
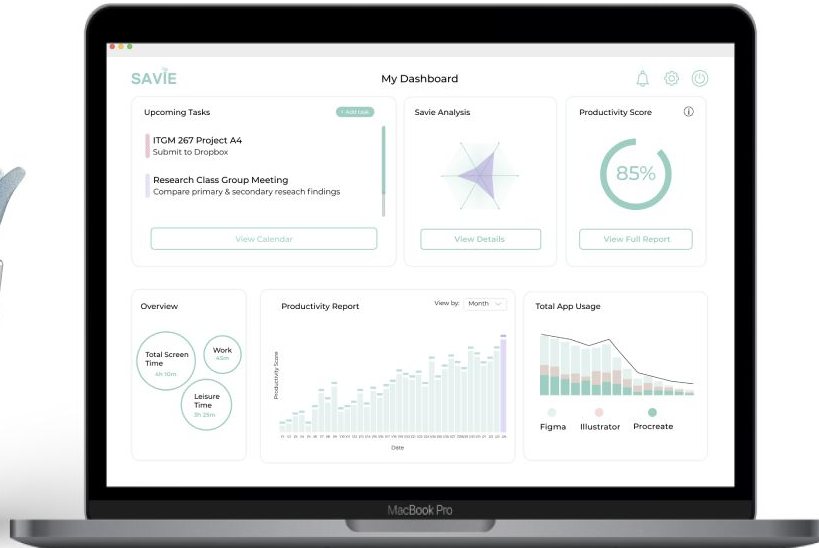
SAVIE

Executive Summary

PROBLEM
The work from home environment can cause increased levels of fatigue and anxiety hindering productivity.

SOLUTION
With this product we aim to help users maintain a balanced, productive work flow through their work time. Giving users optimized break, and work flow patterns so they can work in the most efficient way possible.

Savie is powered by AI in its analysis of how users work to enhance their work-life balance through an app and product system. The planter contains a single board computer to use machine learning to learn each individual user's habbits and make reccomendations for productivity enhancing breaks.

Key Features

Productivity Score
- Users receive a personalized score that reflects their productivity level. They can compare how they're currently doing to before.
- This feature emphasises a balanced work life as it encourages users to avoid become over or under productive

Break Analysis and Notification
- Users can receive insights about work style archetypes. This feature personalised Savie's tips & break notifications to the user.
- Savie suggests tips that help the user take advantage of their breaks to be more productive.

Non distracting Stimuli
- Time-based light changes on Savie.
- User can create a separation between work and life outside of work based on the color of the light .
- Sees the light color change based on time of day .

Team Timeline & Members

Tang Tantivirun, UX Junior Prototyping Lead

Madison Jason, UX Senior Project Lead

Eduardo Alfonso, UX Senior Visual Design Lead

Kelechi Ogbuaku, UX Senior Research Lead & IA Lead

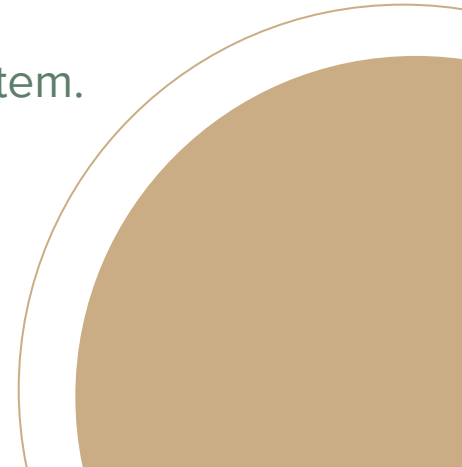Peter Breissinger, UX Junior Interaction Lead

Design Process

- Discover

- Define

- Design

- Deliver

Target Audience

18-35 year olds

Students & Working Professionals.

Individuals who have been impacted by new work from home system.

Problem Statement/Leading Research Question?

The work from home environment can cause increased levels of **fatigue** and **anxiety** hindering **productivity**.

Research Methods

01

Survey

Qualitative
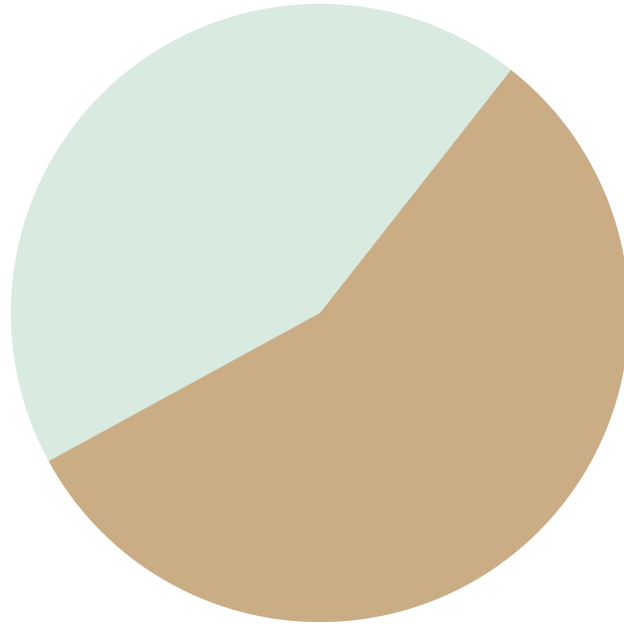
02

User & Expert
Interview

03

Focus Group
Interview

Primary Research Overview

- Survey

- User Interview

- Expert Interview

- Focus Group Interview

Survey

109

Participants

Qualitative Method

Working from Home

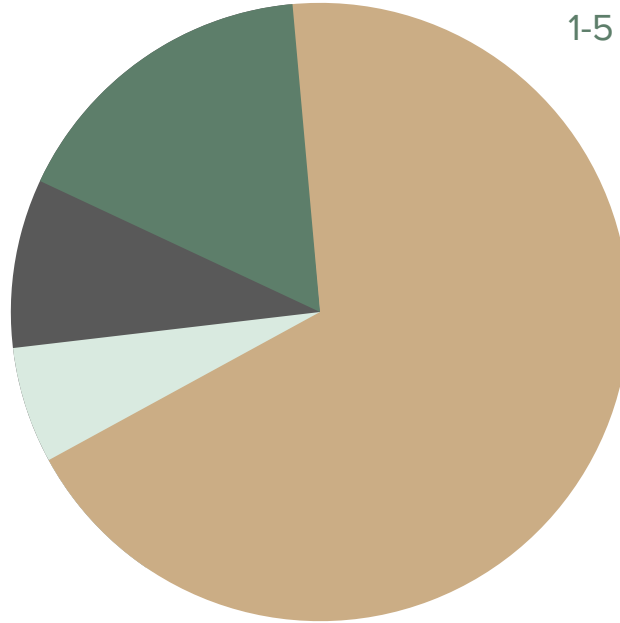56.9% of participants did not work from home before COVID 19

Breaks

15.6% of participants take 6-10 breaks per day.

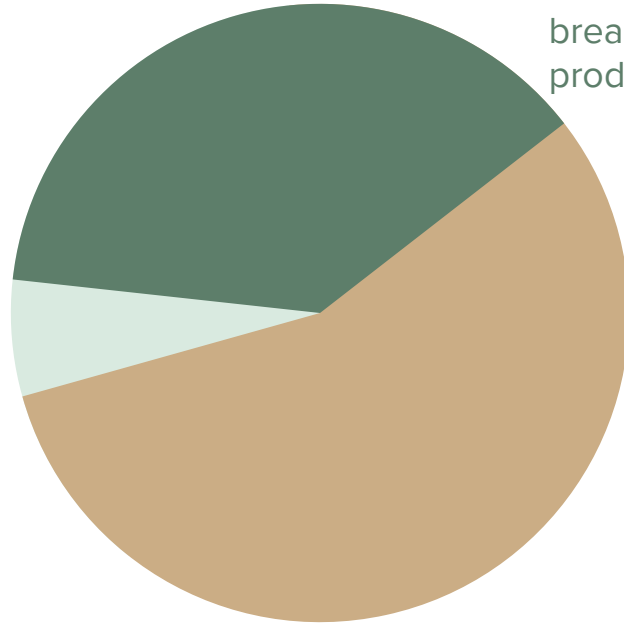73.4% of participants take 1-5 breaks per day.

7.3% of participants take 11 or more breaks per day.

3.7% don't take breaks during the day.

Breaks & Productivity

33% of participants feel that breaks sometimes help with productivity.

15.6% of participants thinks breaks do not help with productivity.

60.6% of participants feel that breaks help with productivity.

What are people actually doing during breaks?

Self Care & Mindfulness

Eating & Hydrating

Social Media

Entertainment

Family Time

Exercise

Hobbies

Prayer

Feelings Working from Home
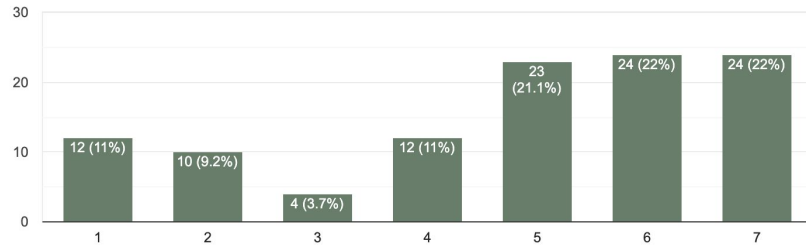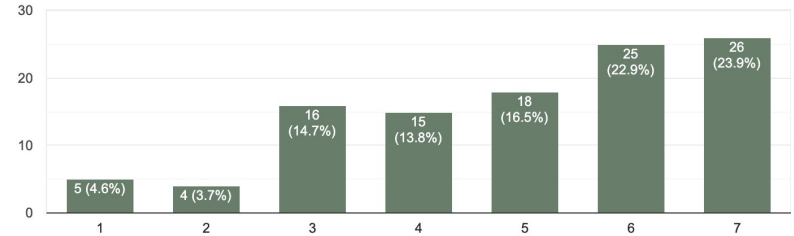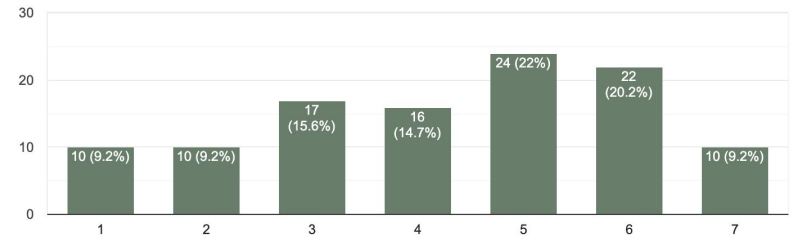
Issues from WFH

Have you started to experience any of the following due to the online working/ school environment?

109 responses
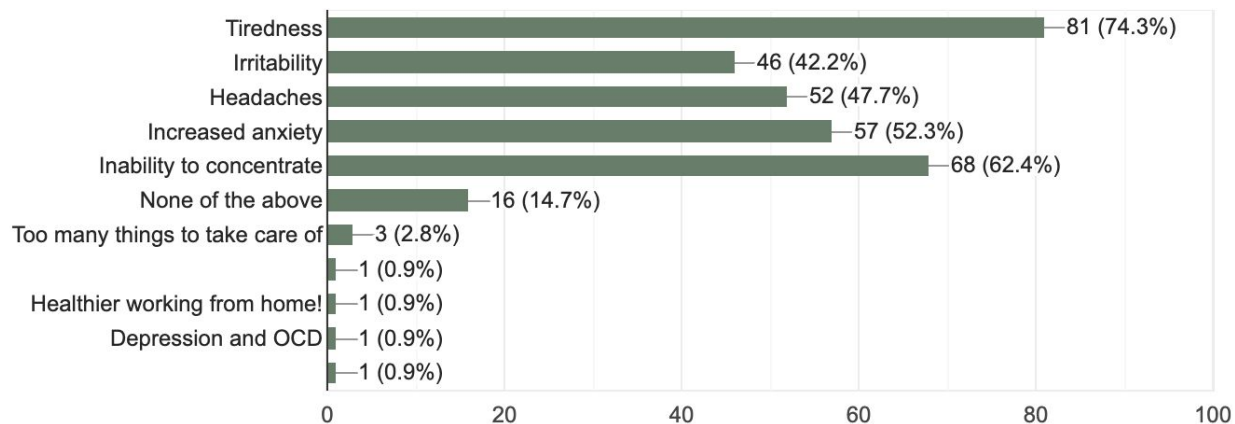
Interviews

7
participants

Qualitative
Method

Interviews
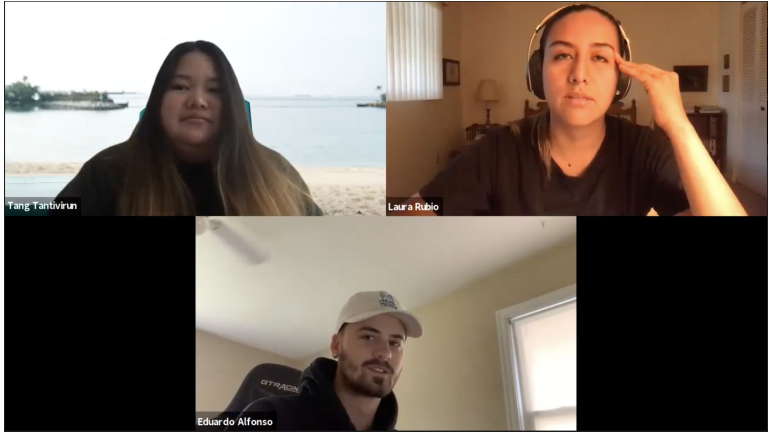
"You can't just have a work session. It is hard to even get something like that scheduled. I can't just go up to people and let them know."
Interviewee 2

"I miss the social interaction with team and "hall talk." We made a "water cooler chat" on Microsoft teams."
Interviewee 3

"Sometimes I can only work in little 5 min spurts. Sometimes a few hours."

Interviewee 2

Expert Interviews

Angela M.

UX Designer

Professor

ID Professor, SCAD

Suwithida C.

Education Professor

"I'm always tied to my cord. Ergonomics & mobility is going to be a bigger trend since people are working from home on laptops."
-Angela

"We are adapting over time."

ID Professor

"I think our conversation could happen anytime and anywhere through many communication channels. We've used Line, Facebook Live, on-demand video calls for Zoom, Google Meet to each other and hold online meetings more each day during this situation."
Suwithida Charungkaittikul

Focus Group

7 participants

Dog Park,
Chatham Parkway

Qualitative Interviews

"It's easier to take breaks when working from home ."
Focus Group Attendee 1

"I need more mental breaks when working from home ."
Focus Group Attendee 2

"I take too many breaks working from home."
Focus Group Attendee 3

Focus Group

Affinitization
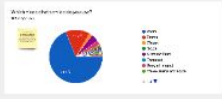
Insights

Users are using a variety of platforms to collaborate but are not completely satisfied with them.

Users feel that working from home is negatively affecting work and health.

Users find that working in the same environment together is less stressful.

Users get distracted in work environment & take breaks to relieve stress during the day.

Insights

Users are missing resources from working in person creating uncomfortable at home workstations.

Users like working from home because they have flexibility in their schedules and routines.

Users are missing unplanned interaction with people.

Working from home is causing users exhaustion and changing their routine.
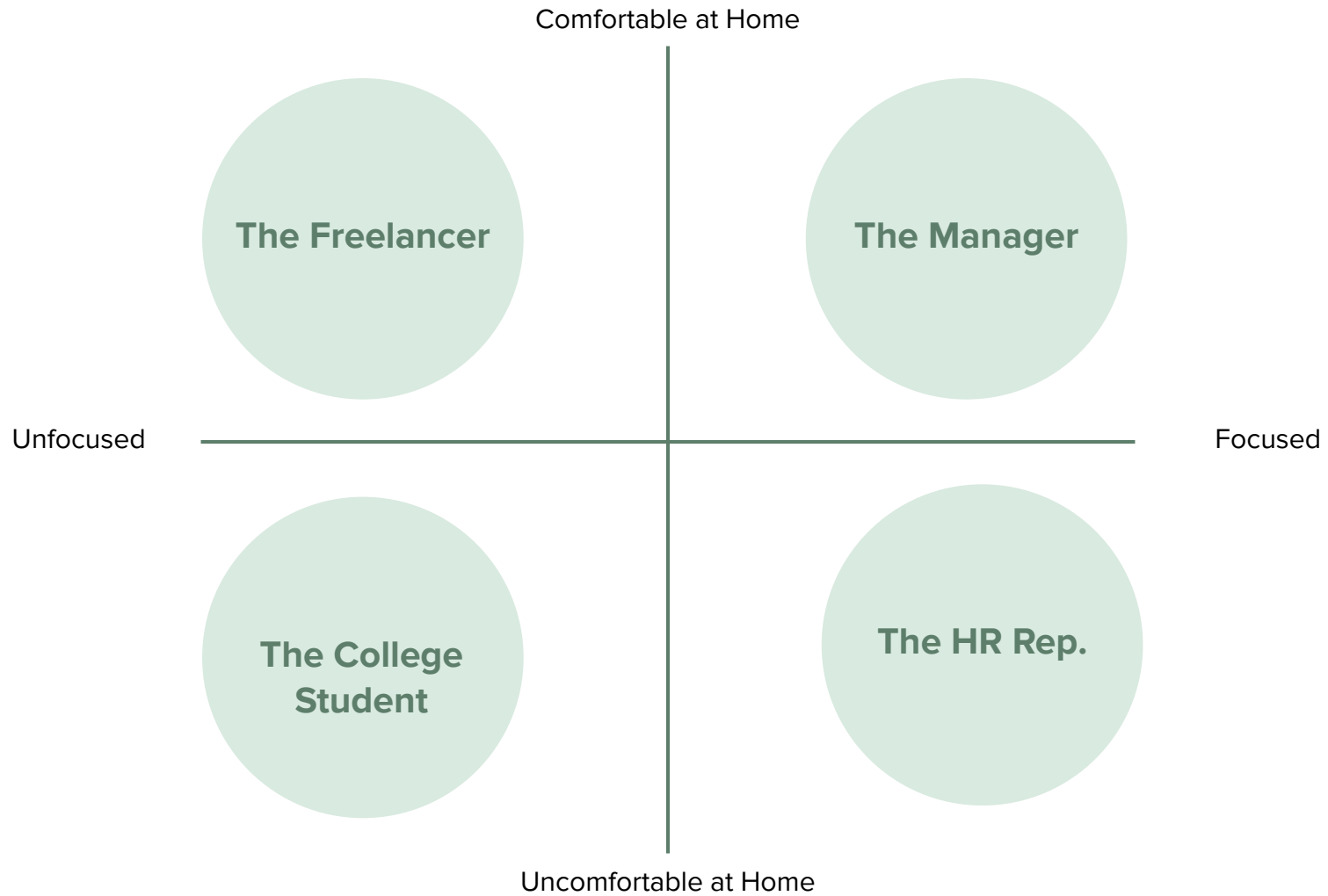
Comfortable at Home

The Freelancer

The Manager

Unfocused ────────────────────────── Focused

The College
Student

The HR Rep.

Uncomfortable at Home

Comfortable at Home

Characteristics
- Extroverted personality
- Shared workspace at home.
- Missing office amenities.
- Missing watercooler chats in office.

Unfocused ——————————————————————————— Focused

"I miss just being able to go up to people and ask them questions or schedule meetings with them."

The HR Rep.

Uncomfortable at Home

Comfortable at Home

The Secretary

Unfocused

Focused

Characteristics
- Struggles with newer technology.
- Finds learning more difficult.
- Gets distracted by kids at home.
- Finds it hard to separate work from personal time.

"I find myself getting distracted every five minutes by my six year old trying to navigate zoom first grade."

Uncomfortable at Home

Comfortable at Home

Characteristics
- Happy to be at home.
- Slowly adapting to the work from home environment.
- Organized.
- Low company morale since covid.

The Manager

Unfocused

Focused

"I like being able to spend more time at home with my family, and I have adapted to my home work environment."

Uncomfortable at Home

Comfortable at Home

Characteristics
- Misses the tangible sense of learning.
- Gets easily distracted.
- Takes too many social media breaks.

Unfocused ———————————|——————————— Focused

"I miss my the structure of in person classes where the profesor could keep us on track."

The College Student

Uncomfortable at Home

How Might We?
Leading design questions

HMW create comfortable and productive workstations from users' homes?

HMW help users harness their breaktime to increase their productivity?

HMW improve users work/life balance while they are working from home?

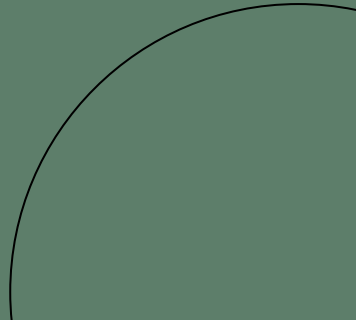HMW create an unobtrusive tool to integrate in user's routines to help them stay focused?

Concepts

This is a 2x2 matrix chart with axes labeled "Value" (vertical) and "Feasibility" (horizontal).

Mindfulness app that encourages students to be more mindful of their time management and how they use their break time

Mobile laptop station

monitor posture during work time

A collaborative scheduling tool with an emphasis on work life balance

mindfulness practice: posture, breaks, etc.

talk to other employees in a similar way they would at a water cooler in a remote format

provide employees with the office supplies to have at home

integration of all the communication tools they use

get rid of xfinity

A way for people to connect their calendars

create screens that do not give off bluelight

cheap access to industry standard quality machinery

An app to encourage zoom mindfulness

Zoom/virtual conversation starters

Self timers, break recommendations, health and wellness suggestions. dieting suggestions

Platform for users to share current stress relief methods.

create a platform that feels more personal to communicate through

break monitoring compared to productivity to find what that person's best break is

employee tracking tool

Creating an environment that produces therapeutic sounds for stress relief

A way to separate working from playing in the same platform

time management aid

game similar to kahoot

A new platform to organize users that is initially user based but uses machine learning to predict repetitive events

Provide a mobile application that combines calls between different software.

redesigned workstation

Collaborative calendar.

mind reading :)

Footrests, better chair, ergonomic accessories, recommendations for more refreshing environment (how to "change it up"

A product suite for ergonomics from unusual places

Chat service specifically for design teams that helps them follow detailed ux process/ design thinking process. (may use Jira's structure of staying on tasks)

encourage activity and give suggestions

Communication tool to keep child stay occupied

time management, AI assistant,
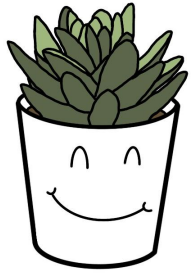
Savie

A system that serves as a buddy to track/monitor your productivity & suggest most efficient ways to improve your work routine.

- Uses AI learning to assist your daily productivity.
- Connects to your laptop/computer.
- Monitors users browsing activity & helps the users stay concentrated/focused.
- Timer included for stats. Ex. how long you took to finish a task.

Kyle is a laid back worker and has trouble being productive while working from home.
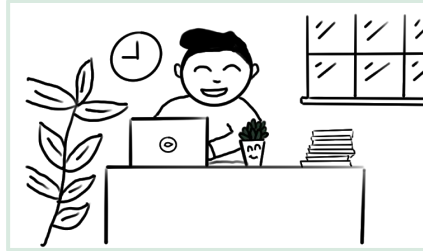

Kyle feels that he was more productive at the work office with the resources he had.

Kyle needs help with staying on task and knowing how long each task will take him so he can plan his work day accordingly.

He finds a product that becomes your buddy and is able to track/monitor his productivity . His buddy recommends ways to become more efficient with his time.


Kyle is able to connect the buddy system to his laptop and allow his buddy to become familiar with his working style and determines the best method to help Kyle be productive.

The feature that Kyle enjoys the most is the timer because he can see how long he stayed on task for and his productivity with quantitative information.

Kyle receive compliments from his boss for the great work he has been able to achieve & Kyle credits being able to stay focused and be more productive to his buddy.

Concept 1
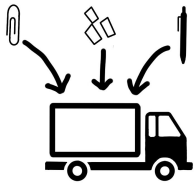
Chariot

A delivery service that provides office employees with equipment they need to successfully work from home.

- Structured platform to obtain equipment from companies.
- Supply consists of writing supplies, snacks, printing materials.
- Creates a common schemata amongst employees that their company values them seamlessly by creating a bond between employees and their company.
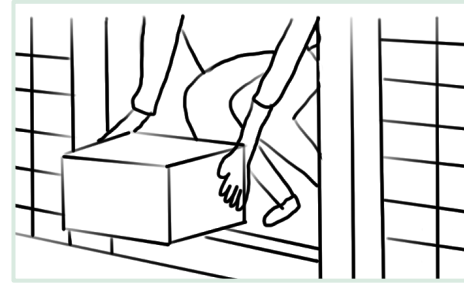
The HR Representative - Sam

Sam reflects on her experience working in the office, talking to travis at the water coolers
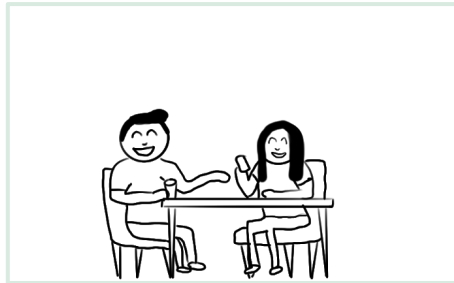

She receives an email that there is a package on the way from her company

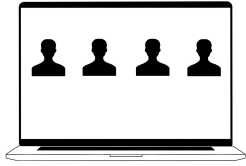Sam walks out to her porch and sees the box

Sam receives a package and gets inspired by her company taking care of her

She notices familiar snacks from her breakroom at work bringing back memories of chatting with coworkers.

Sam wants to show her appreciation by putting all her effort into her current project.

The Spot

An application that combines calls between different communication software.

- Encourages mindfulness practices during video calls.
- Creates a separation between working from playing/leisure activities in the same platform.

The Freelancer - Curtis

Curtis has practiced some form of working from home for a while
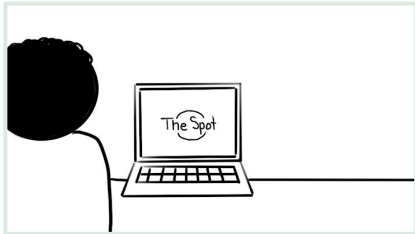

Covid, however means he spends more time than ever on video calls.
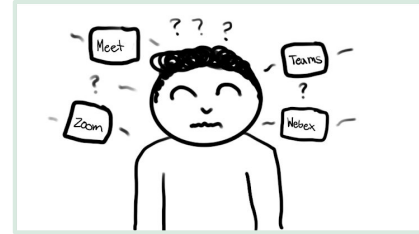
He is constantly confused about how to use the varying video call services

He downloads The spot

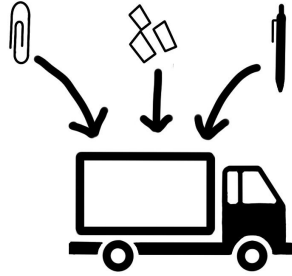He is now able to switch from call to call easily

He does not have to worry about learning new suits of products for each new client
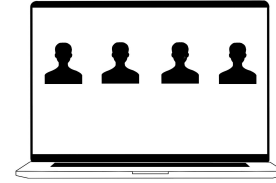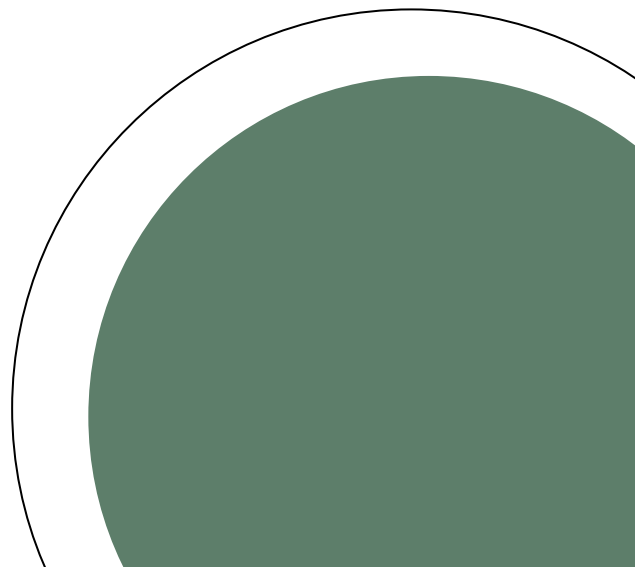
From our 3 concepts we chose...

Savie

Chariot

The Spot

Task Flow

0 Onboarding

0.1 Create Account
- 0.1.1 Email
- 0.1.2 Password

0.2 Connect with Savie
- 0.2.1 Plug cord into computer

0.2 Create Account with Savie
- 0.1.1 Full Name
- 0.1.2 Height
- 0.1.3 Birthday
- 0.1.4 Email
- 0.1.5 Password

0.3 Permisssion
- 0.3.1 Allow Savie to view your screen
- 0.3.2 Set Notification Settings
- 0.3.2 Allow Savie to analyse productivity

0.4 Sample Calibration
- 0.4.1 Begin Sample Calibration
- 0.4.2 Calibration Results

0.1 Login
- 0.1.1 Full Name
- 0.1.2 Email
- 0.1.3 Password
- 0.1.4 Sign Up

1 Your Dashboard
- 1.1 Upcoming Tasks
- 1.2 Productivity Scores
- 1.3 Break Activity
- 1.4 Productivity Tips
- 1.5 Notifications
- 1.6 Settings
- 1.7 Profile

1.6.1 My Info
- 1.6.1.1 Name
- 1.6.1.2 Email
- 1.6.1.3 Password
- 1.6.1.4 Birthday

1.6.2 Privacy
- 1.6.2.1 Allow Savie to view your screen
- 1.6.2.2 Set Notification Settings
- 1.6.2.3 Allow Savie to analyse productivity

2 Calendar
- 1.1 Categories: Meeting WorkSession Deadline

3 Report
- 3.1 Productivity Report
- 3.2 Productivity Score
- 3.3 Overview
- 3.4 Total App Usage

3.1 Productivity Report
- 3.1.1 Work
- 3.1.2 Leisure
- 3.1.3 Total Screen Time

3.2.1 See Full Report
- 3.2.1.1 Summary
- 3.2.1.2 Insights
- 3.2.1.2 Savie Tips

Task Flow- Dashboard

```
                          ┌─────────────────────┐
                          │  1 Your Dashboard   │
                          └─────────────────────┘
```

| 1.1 Upcoming Tasks | 1.2 Productivity Scores | 1.3 Break Activity | 1.4 Productivity Tips | 1.5 Notifications | 1.6 Settings | 1.7 Profile |

1.6.1 My Info

1.6.2 Privacy

| 1.6.1.1 Name | 1.6.1.2 Email | 1.6.1.3 Password | 1.6.1.4 Birthday |

| 1.6.2.1 Allow Savie to view your screen | 1.6.2.2 Set Notification Settings | 1.6.2.3 Allow Savie to analyse productivity |

Sitemap

Create an account/ Onbaording
- Name
- Email
- Password

- Connect to Savie
- Account Information
  - Name
  - Email
  - Password
  - Phone Number
  - Birthday
- Privacy Settings
  - Allow Savie to view screen
  - Set privacy notification
  - Set (relevant) notification
- Sample Collection
  - Begin Sample Collection
  - View Sample Collection Report

Dashboard
- Upcoming Events
- Productivity Score
- Break Analysis
- Productivity Tips

- Report
  - Productivity Report
  - Productivity Score
    - Score Description
    - View Full Report
  - Overview
  - Total Usage
- Calendar
  - Today's Agenda
  - Calendar Overview
  - Filter
    - Catergories
- Settings
  - Profile
    - Name
    - Email
    - Password
    - Phone Number
    - Birthday
  - Privacy Settings
    - Allow Savie to view screen
    - Set privacy notification
    - Set (relevant) notification
- Turn On/Off Savie
  - Do you want to turn off Savie?
- Logout

Sitemap

Dashboard
- Upcoming Events
- Productivity Score
- Break Analysis
- Productivity Tips

Report
- Productivity Report
- Productivity Score
  - Score Description
  - View Full Report
- Overview
- Total Usage

Calendar
- Today's Agenda
- Calendar Overview
- Filter
  - Catergories

Settings
- Profile
  - Name
  - Email
  - Password
  - Phone Number
  - Birthday
- Privacy Settings
  - Allow Savie to view screen
  - Set privacy notification
  - Set (relevant) notification

Turn On/Off Savie
- Do you want to turn off Savie?

Logout

Functions

Break Analysis

Productivity Increase using Tips & Analysis

Work/Life Balance Separation

Features

Analysis of user's Screen Time and App Usage

Tactile & Illuminating leaves

Calendar

Productivity Report & Score

Break time Notifications

Prototypes

Physical Product Lo Fi Prototype

Physical Product CAD Model

Wireframes (Mobile and Desktop)

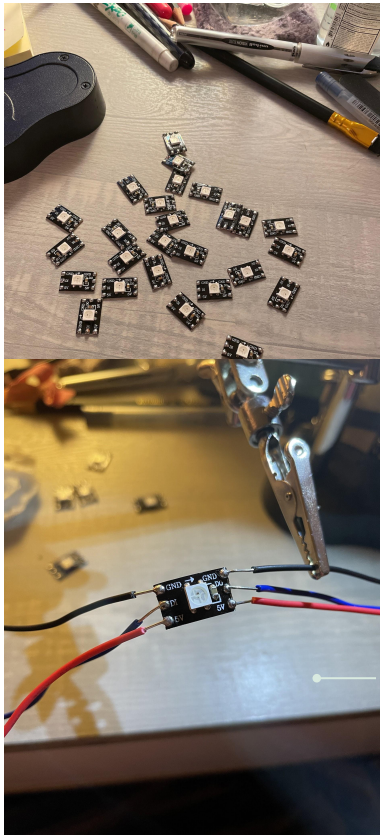Lo/Mid Fi Prototypes (Mobile and Desktop)

Sketch

Lo-Fi Prototype
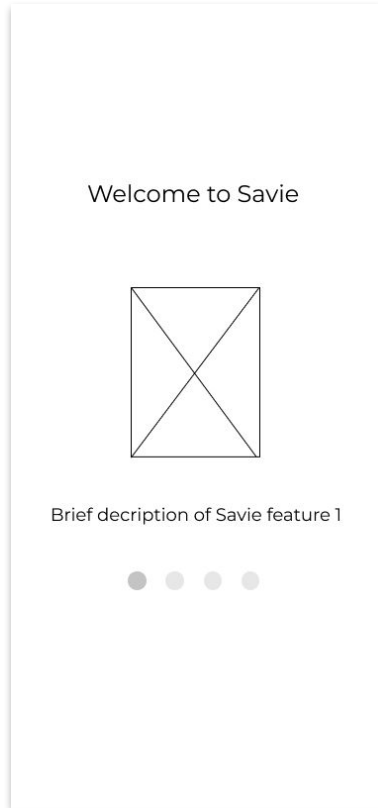
CAD Model
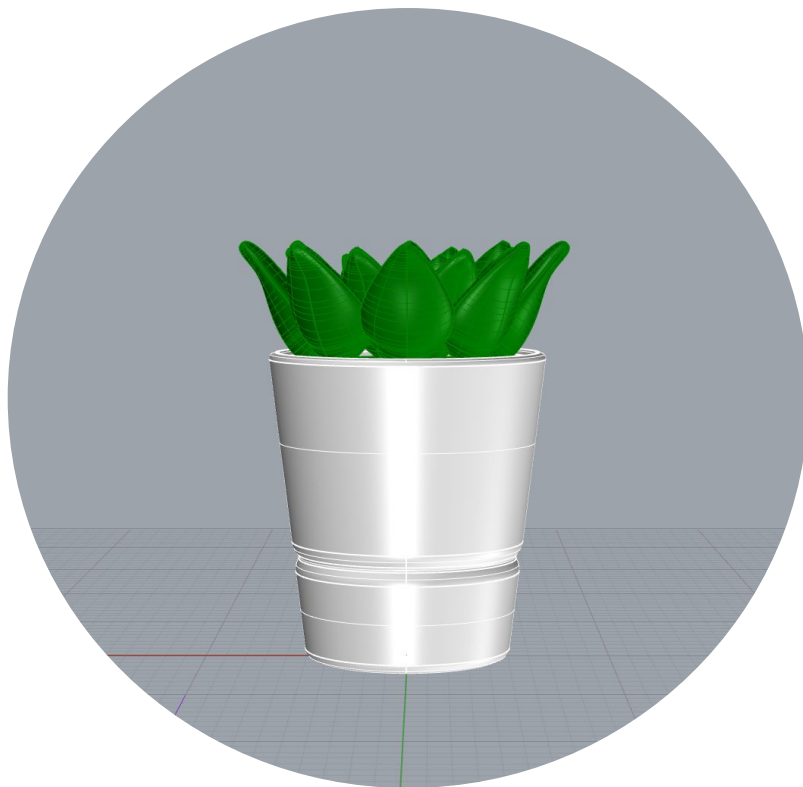
Building Savie
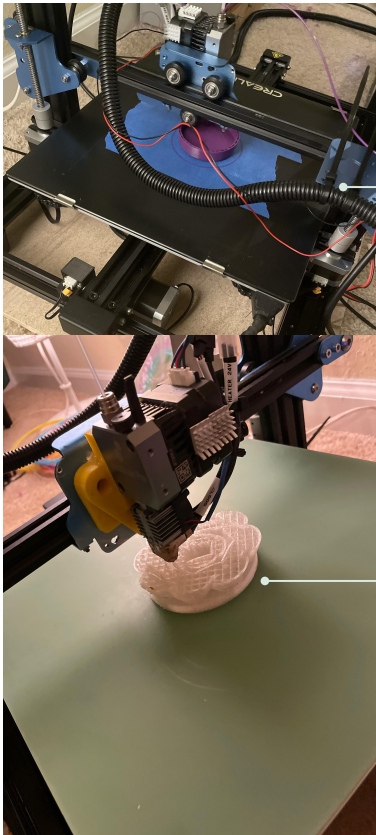
3D printing physical product

Silicone leaves
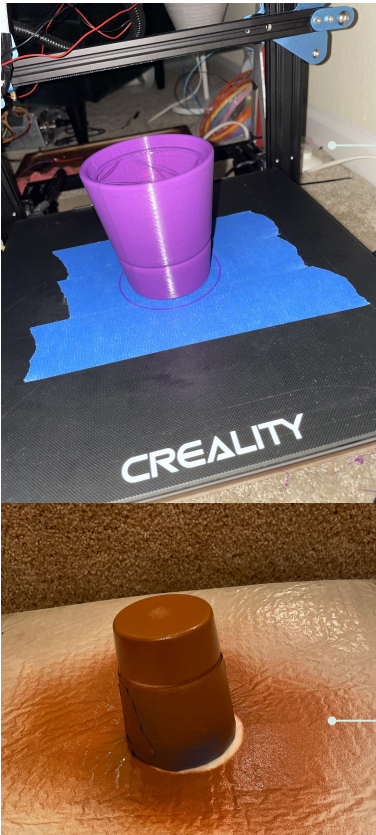
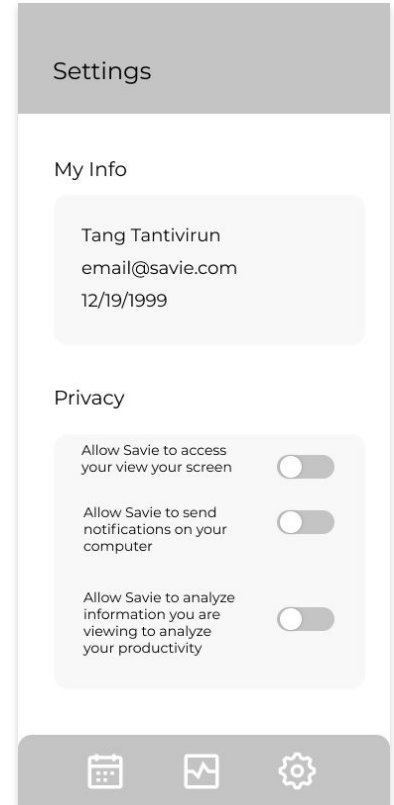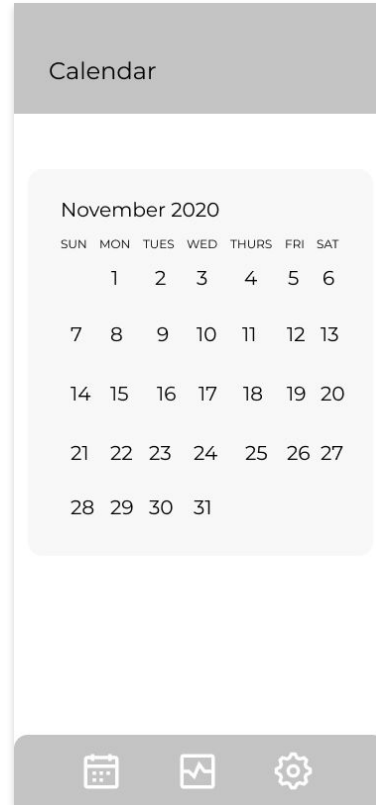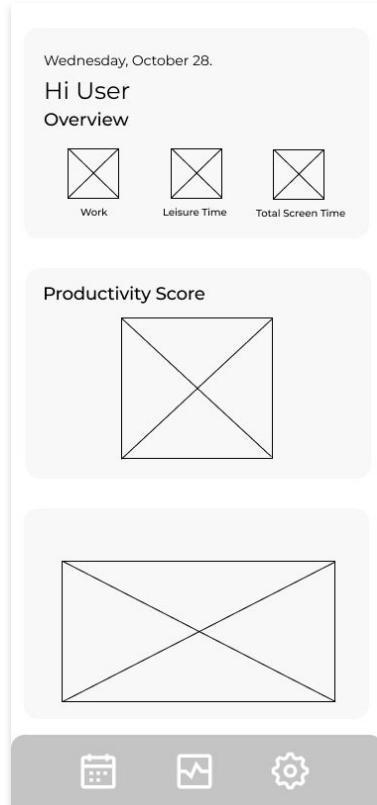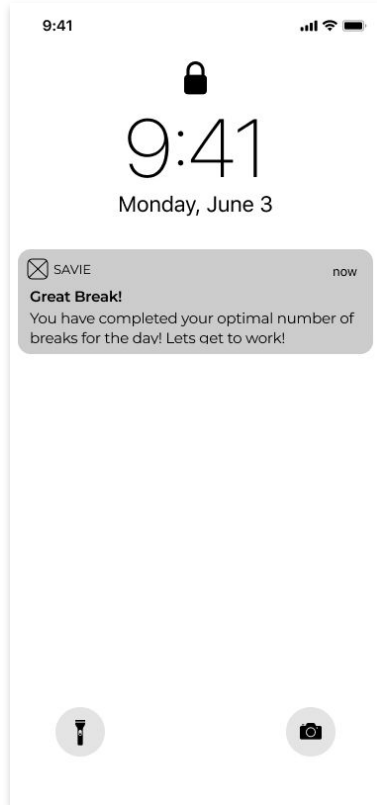3D printing physical product

Spray painting physical product

Wire soldering

Lo-fi Wireframes (Mobile)

Screen 1

Welcome to Savie

Brief decription of Savie feature 1

● ● ● ●

Screen 2

Welcome to Savie

Enter Email Address

Enter Password

Login

Don't have an account? Create an account

Screen 3

Create an Account

Name

Height

Metrics ∨

Birthday

Month ∨   Day ∨   Year ∨

Email

Password

Next

Lo-fi Wireframes (Mobile)

Phone 1 (Lock screen):

9:41

9:41

Monday, June 3

SAVIE   now

Great Break!
You have completed your optimal number of breaks for the day! Lets get to work!

Phone 2 (Overview):

Wednesday, October 28.

Hi User
Overview

Work   Leisure Time   Total Screen Time

Productivity Score

Phone 3 (Calendar):

Calendar

November 2020

SUN	MON	TUES	WED	THURS	FRI	SAT
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

Phone 4 (Settings):

Settings

My Info

Tang Tantivirun
email@savie.com
12/19/1999

Privacy

Allow Savie to access your view your screen

Allow Savie to send notifications on your computer

Allow Savie to analyze information you are viewing to analyze your productivity

Lo-fi Wireframes (Desktop)

Sign Up and Onboarding

Account Setup
● ● ● ●

Connect Savie

Connect Savie to your laptop using the USB cord .

Savie   →   User's MacBook

Unable to connect?

Account Setup
● ● ● ●

Permission

Allow Savie to access your view your screen

Allow Savie to send notifications on your computer

Allow Savie to analyze information you are viewing to analyze your productivity

Next

Account Setup
● ● ● ●

Create Account

Full Name

Height   Metrics ▾

Enter your Birthday
Month ▾   Day ▾   Year ▾

Email

Password

Next

Account Setup
● ● ● ●

Begin Sample Collection

During this time, Savie will monitor your browsing activity to give you an accurate report.

Begin
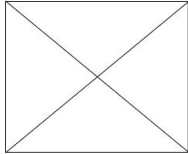
Skip?

Dashboard

Dashboard

Calendar

Report

Logout

🔔 ⚙️ 👤 User Name ⏻

Your Dashboard

Upcoming

ITGM 267 Project A4
Submit to Dropbox

Research Class Group Meeting
Compare primary & secondary reseach findings

Productivity Score

What does the number mean?
See full report

Break Activity

Productivity Tips

Calendar

SAVIE

Dashboard

Calendar

Report

Logout

Tuesday, November 9th

8:00 am

9:00 am

ITGM 267 Project A4
Submit to Dropbox

10:00 am

11:00 am

12:00 pm

Group Meeting
Compare primary & secondary reseach findings

1:00 pm

2:00 pm

3:00 pm

4:00 pm

User Name

November 2020 >

SUN	MON	TUE	WED	THU	FRI	SAT
1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31

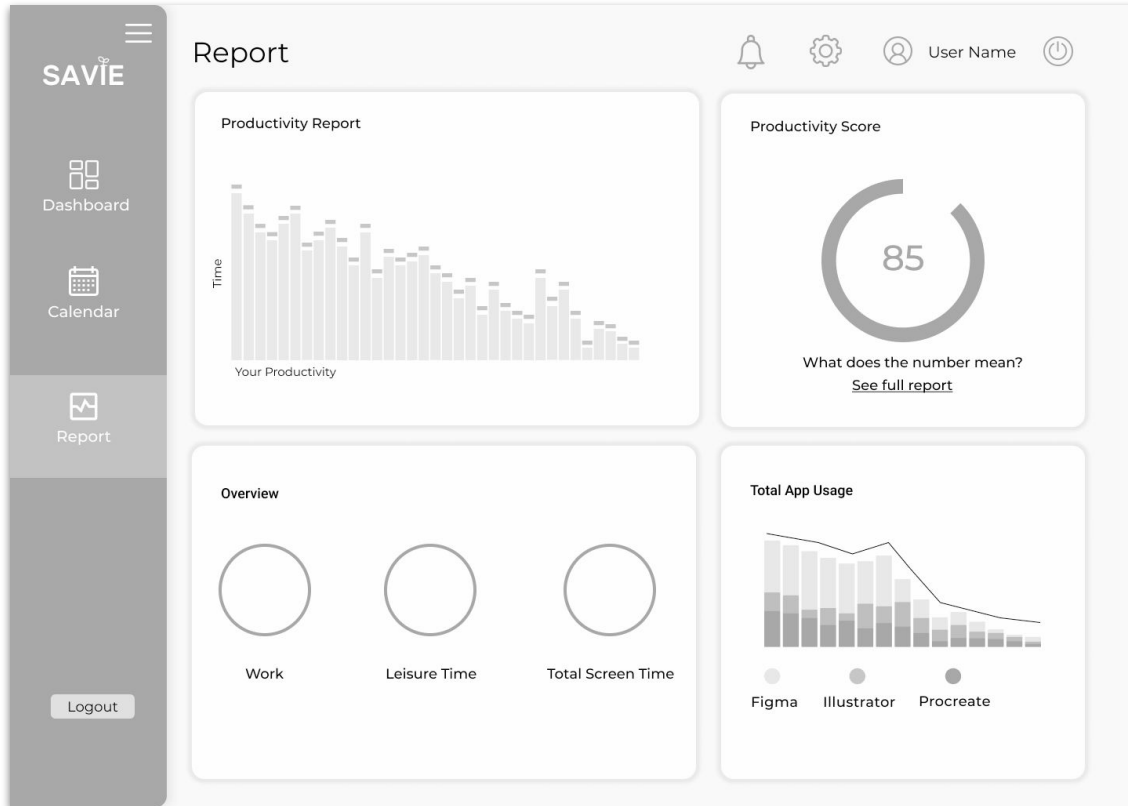**FILTER**

CATEGORIES

Meeting   Work Session

Deadline

Report

SAVIE

Dashboard

Calendar

Report

Logout

🔔 ⚙ ⊙ User Name ⏻

Productivity Report

Time

Your Productivity

Productivity Score

85

What does the number mean?

See full report

Overview

Work

Leisure Time

Total Screen Time

Total App Usage

● Figma   ● Illustrator   ● Procreate

Lo/Mid-fi Wireframes (Mobile)

Lo/Mid-fi Wireframes (Desktop)

SAVIE

- Dashboard
- Calendar
- Report

Logout

Your Dashboard

Upcoming

ITGM 267 Project A4
Submit to Dropbox

Research Class Group Meeting
Compare primary & secondary reseach findings

Productivity Score

85

What does the number mean?
See full report

Break Activity

Productivity Tips

User Name

SAVIE

- Dashboard
- Calendar
- Report

Logout

Calendar

Tuesday, November 9th

8:00 am

9:00 am
ITGM 267 Project A4
Submit to Dropbox

10:00 am

11:00 am

12:00 pm
Group Meeting
Compare primary & secondary reseach findings

1:00 pm

2:00 pm

3:00 pm

4:00 pm

User Name

November 2020 > < >

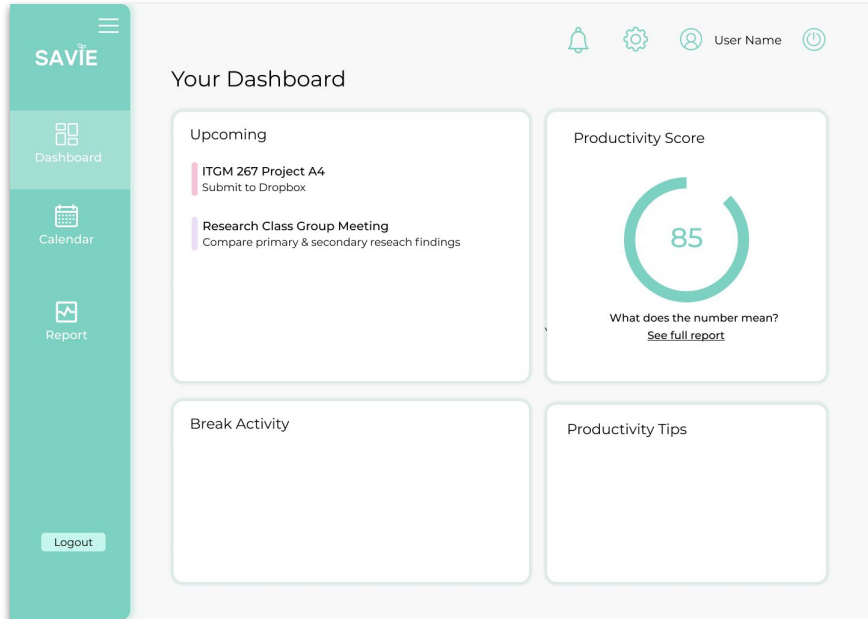| SUN	MON	TUE	WED	THU	FRI	SAT
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

FILTER

CATEGORIES

Meeting   Work Session

Deadline

Lo/Mid-fi Wireframes (Desktop)

Mid-fi

User Testing

Card Sorting

Usability Testing

SUS Evaluation

Feedback Summary

Design Goals

Are users able to navigate the app well?
Do they find it visually appealing?
Do users feel good about the different color schemes?
Is anything confusing to look at or find?

Concept Goals

Would users feel odd about Savie looking into their screen usage?
Does the productivity score make sense?
Does the physical product resonate with users?
Do users find the functionality of the system useful?

User Tester Demographics
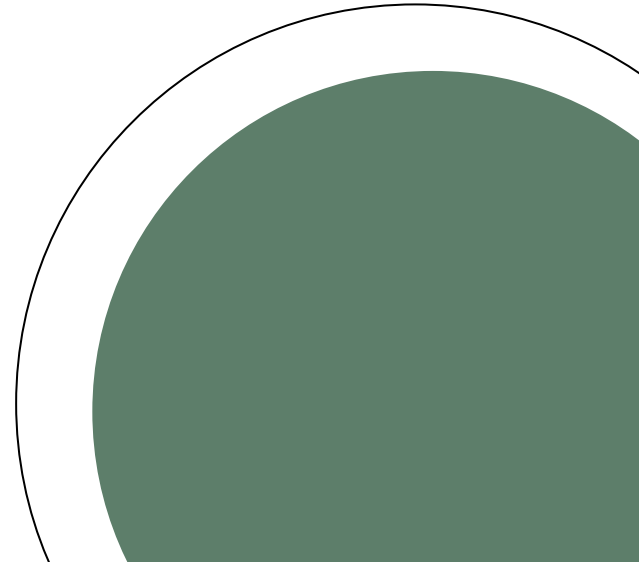

1 UX Expert

Angela M.
UX Designer, Lenovo

5 Users

Students who attend
school from home.

User Tasks

- You just purchased Savie "Pretend you are using Savie for the first time after you bought it."
  - Sign up go through onboarding
  - Configure Savie
  - Permissions and Calibrations
- "Look at your data from the past week in the dashboard."
- "Interact with Savie's leaves for stress relief."
- "View your calendar."
- "Check your productivity."
- "Customize your settings to your liking."

Card Sorting

6 Participants

Open Card Sorting

Username | Settings | Productivity Overview | Productivity Reports | Dashboard | Profile | Add date | Total App Usage

Break anlysis | Add description | Logout | Productivity Status | Past Report | General Settings | Add time | Productivity Score

Notifications | Purchase Mel | Current Report | Add new task | Productivity Tip | Privacy Settings | Allow Savie to notify you of task reminder | Dashboard

Breaktime | Email | Add title | Current Productivity Score | Change Password | Usage Summary | Overview | My Info

Home | Allow screen viewing | Allow Savie to do word analysis on screen | View Full Productivity Score Report | Connect To Savie | Screen Time Summary | Work

Calendar | Report | Stop Savie | Change Email | Break Activity | Leisure Time | Total Screen Time

Hi! Welcome to our user testing! To begin we will have you do card sorting. This is a simple exercise in which you will take the stickies and create groups of them. Then you will label your groups.

Remember we are not testing you, but we are testing our concept. There are no right or wrong answers here and all feedback is helpful!

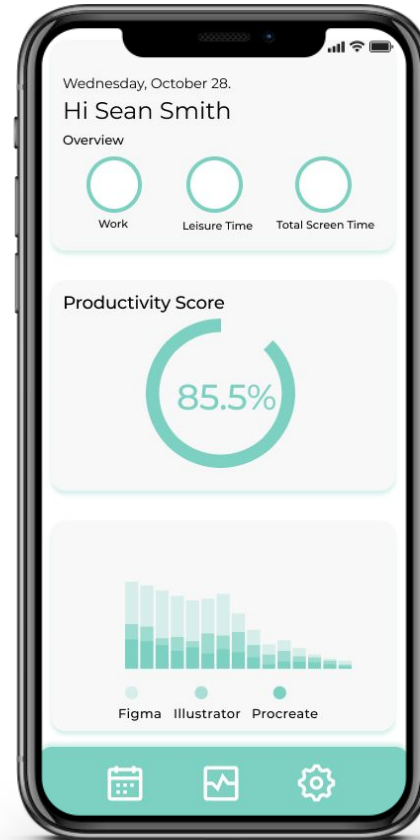Thank you so much for your help in perfecting our product.
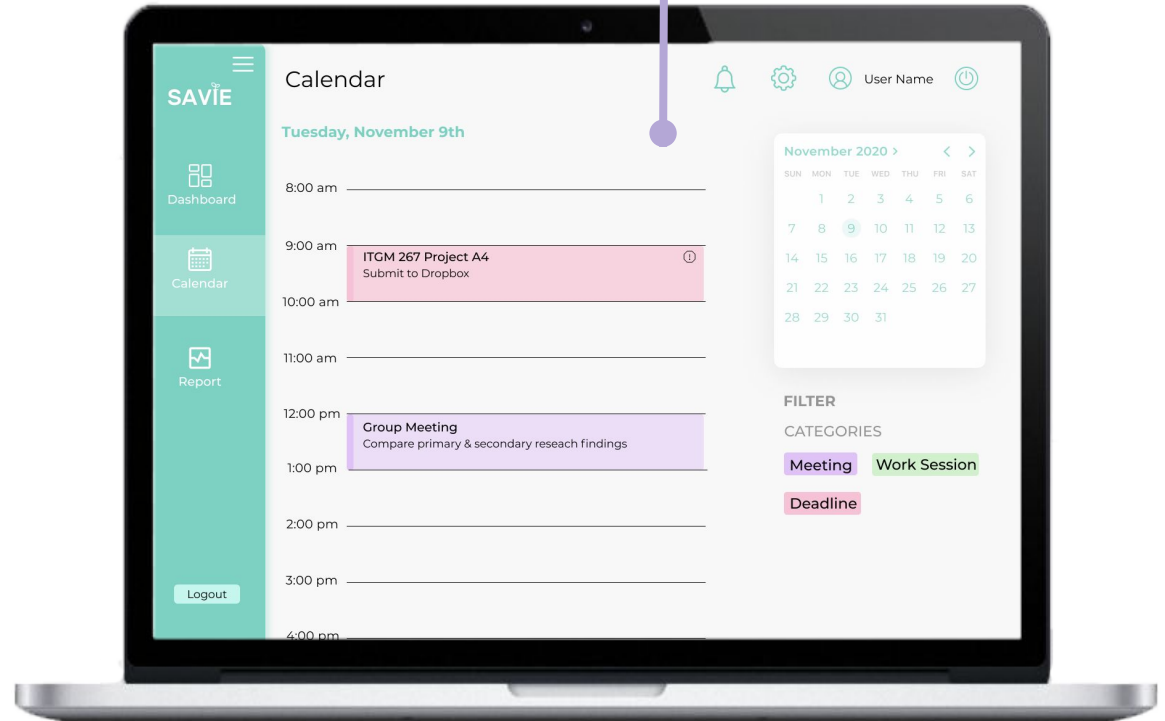
Savie Hi-fi Physical Prototype

Usability Testing

User found the mobile easy to navigate and simplistic.

Usability Testing

Calendar

Usability Testing (Desktop)

Navigation
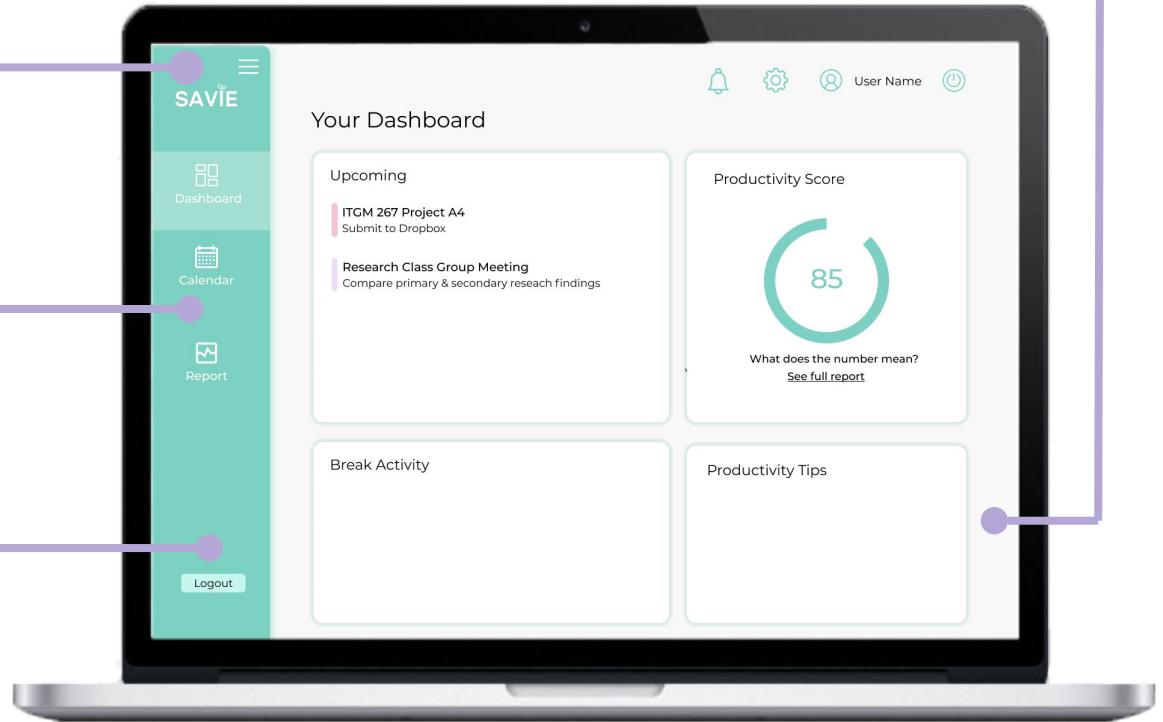
Connect the dashboard and the report page/ add a scroll function

Hamburger menu is confusing

Can eliminate the sidebar completely

Logout feels out of place put it by username

SAVIE

Dashboard

Calendar

Report

Logout

User Name

Your Dashboard

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Productivity Score

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What does the number mean?
See full report

Break Activity

Productivity Tips

Usability Testing

Report

Make hover area larger

It looks good but i'm a little confused as to this graph (overview)
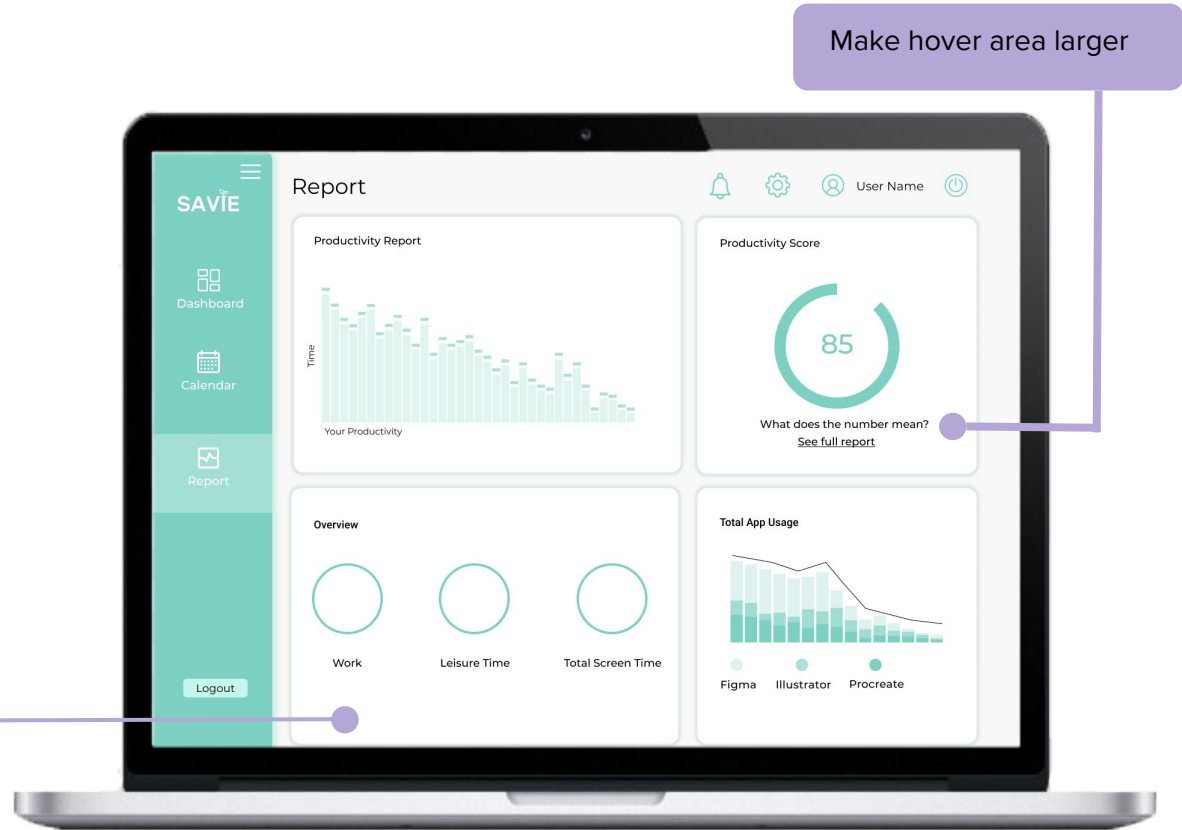
Summary

Physical Prototype

- Suggestions to enhance the functionality of Savie.
- Not much feedback on design.

Desktop App

- Clarity is important.
- Users vary in what they are looking for -- provide paths to all information
- Some info felt out of place.
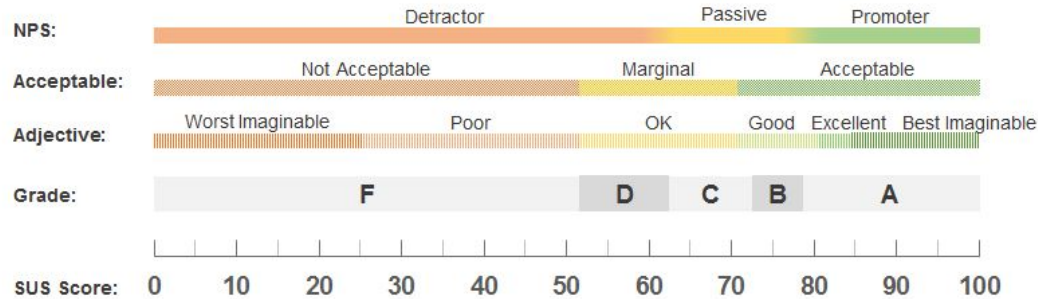- Savie was intrusive, but some profile information was.

Mobile App

- "I got spoiled by the desktop app." *User 5*
- More simplistic than the desktop app.
- Notifications would be helpful.

SUS Evaluation

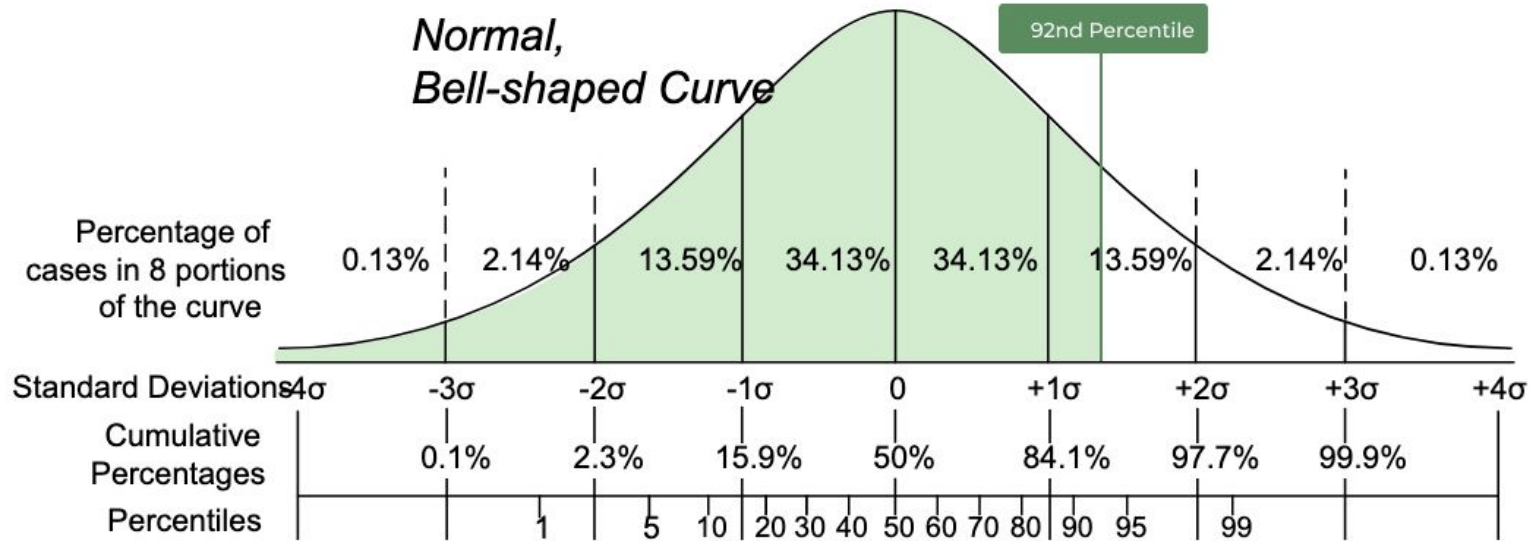SUS Average Score: 92.5

n = 6

Rating: Excellent

SUS Score	Grade	Adjective Rating
> 80.3	A	Excellent
68 − 80.3	B	Good
68	C	Okay
51 − 68	D	Poor
< 51	F	Awful

Source: https://measuringu.com/interpret-sus-score/

SUS Evaluation

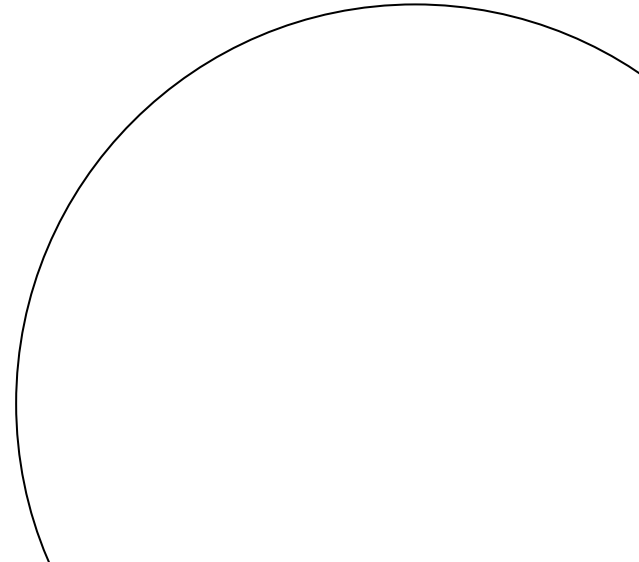SUS Average Score: 92.5

Percentile Rank: 92.5%

SUS Evaluation

Users cited that they may or may not use this product frequently.

They would not need to learn a lot of information to be able to use it properly.

Users thought the system was easy to use.
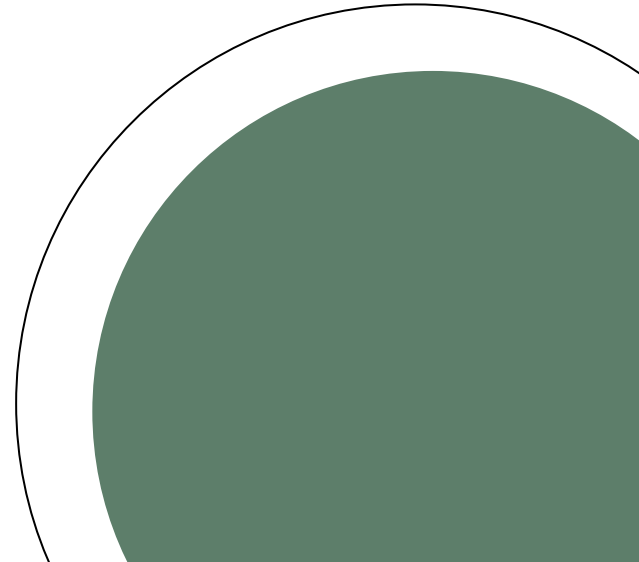
Areas to Improve

Provide more information on the user's dashboard.

Clarify user's productivity score & how it's calculated.

Make the graphs clear and concise.

Specify overview information for user's screen time.
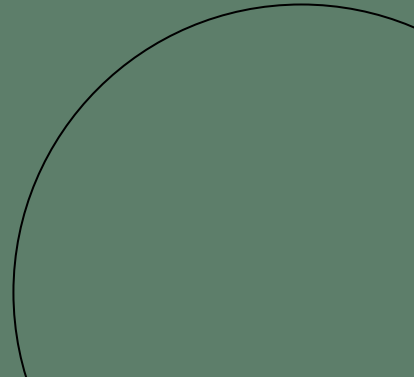
Fix navigational issues and design consistency.
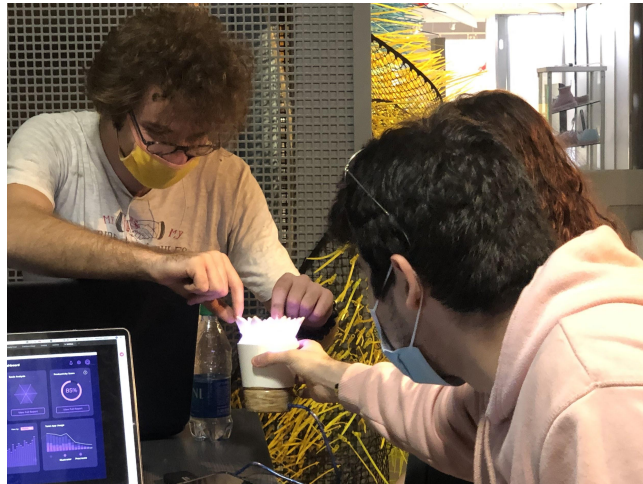
Hi-fi

User Testing

Usability Testing

Feedback Summary
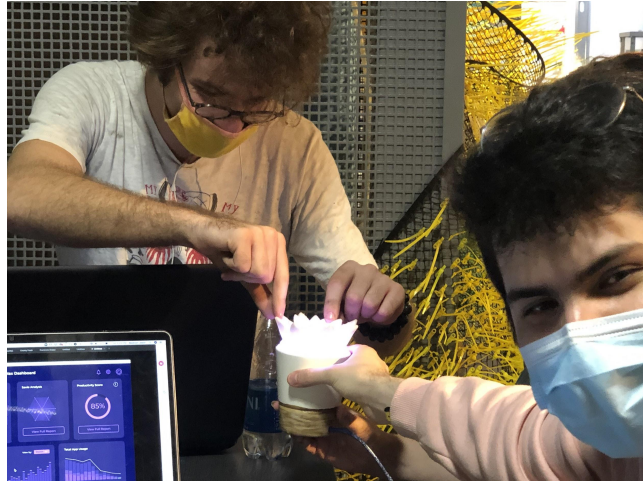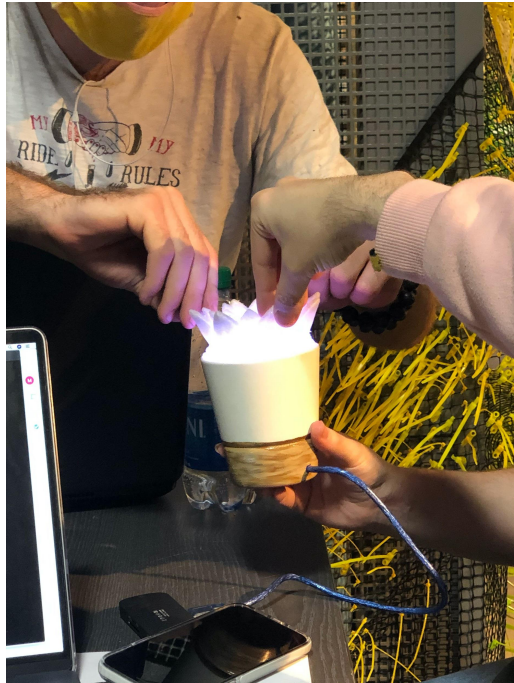
Hi-fi Testing

1 UX Expert
Nick Braver,
Newell Brands

4 Users
Students who attend
school from home.

Goals

Evaluate design and concept clarity.

Ensure navigation aligned with user's
mental models.

Assess visual design and aesthetics.

Feedback

Mobile Dashboard

Make tap navigation
clearer in menu bar.
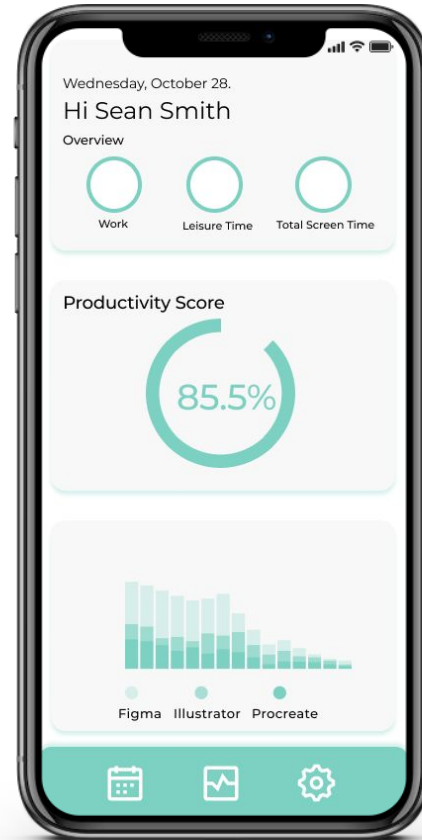
Insights

Change turn off Savie button to slider instead of toggle.

Users value personalization.

Users would rather have a calendar for break time notification than for scheduling tasks.

Finalized Screens

SAVĬE

Savie Analysis

Dashboard

Day | Week | Month

General Statistics

Archetypes details

Here, Savie learns more about your work habits and gives you a detailed analysis for you to better understand how you prefer to work and what benefits your work style. Click Archetype Details to learn more.
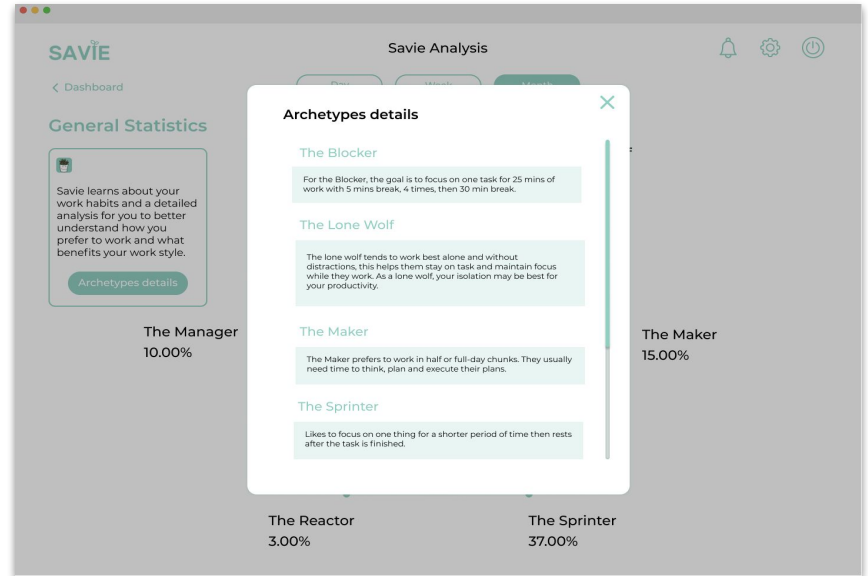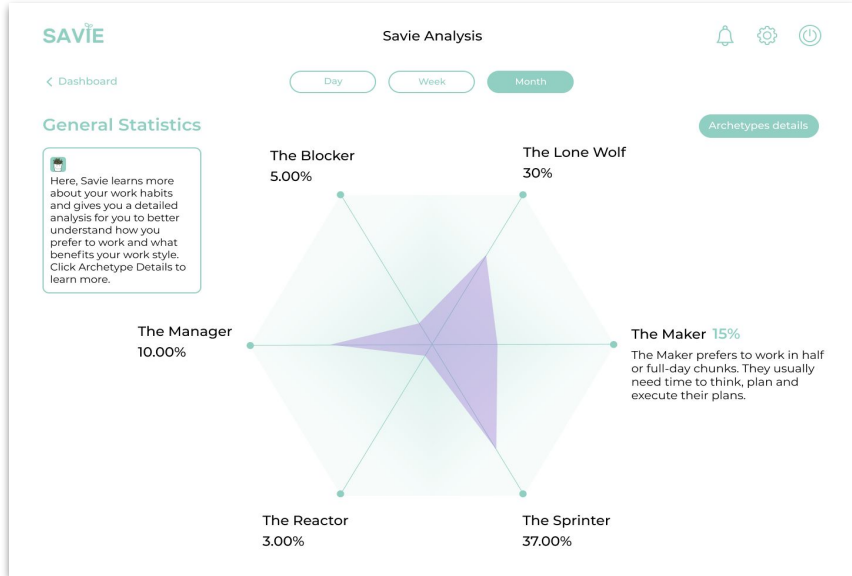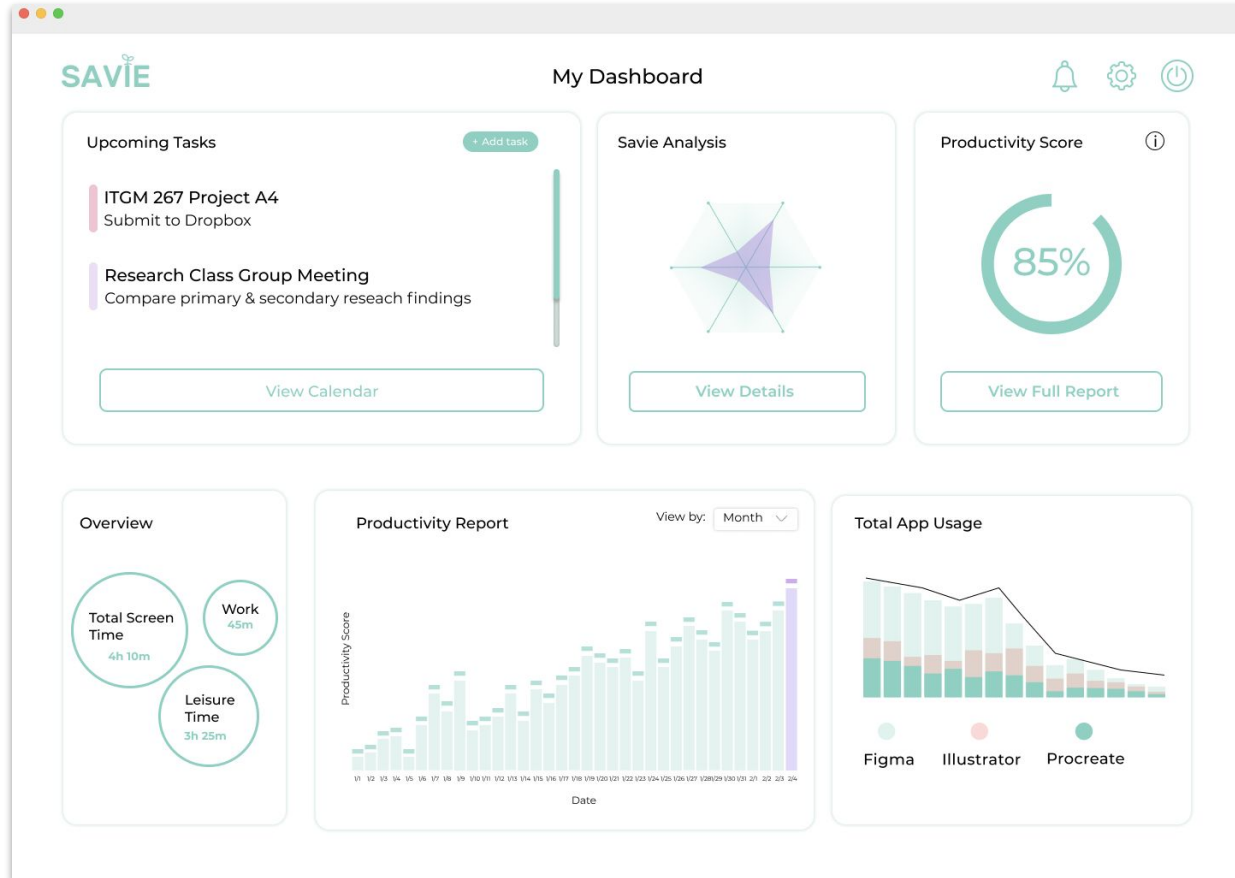
The Blocker
5.00%

The Lone Wolf
30%

The Manager
10.00%

The Maker 15%
The Maker prefers to work in half or full-day chunks. They usually need time to think, plan and execute their plans.

The Reactor
3.00%

The Sprinter
37.00%

SAVĬE

Savie Analysis

Dashboard

Day | Week | Month

General Statistics

Savie learns about your work habits and a detailed analysis for you to better understand how you prefer to work and what benefits your work style.

Archetypes details

Archetypes details

The Blocker

For the Blocker, the goal is to focus on one task for 25 mins of work with 5 mins break, 4 times, then 30 min break.

The Lone Wolf

The lone wolf tends to work best alone and without distractions, this helps them stay on task and maintain focus while they work. As a lone wolf, your isolation may be best for your productivity.

The Maker

The Maker prefers to work in half or full-day chunks. They usually need time to think, plan and execute their plans.

The Sprinter

Likes to focus on one thing for a shorter period of time then rests after the task is finished.

The Manager
10.00%

The Maker
15.00%

The Reactor
3.00%

The Sprinter
37.00%

Finalized Screens

Finalized Screens