DM2601

WORKBOOK



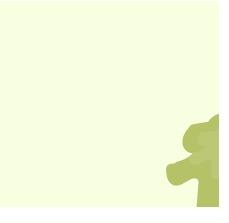
DESIGN BRIEF

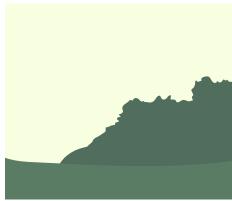
In an **introverted world, screen device use is high**. Many may work from home, some scroll on the commute to avoid social interaction. After work, screen based entertainment is close at hand. But this, while close at hand and convenient (and dopamine inducing) **is not something that feels meaningful**.

TARGET GROUP Young professionals













RESEARCH: TARGET GROUP



- 1) We sent out a **survey to 16 young professionals** (21-32 years old) who
 identified as both extroverts and
 introverts, asking about their screen
 device use and sleeping habits.
- After analysing the responses, we interviewed 5 people from the survey group.
- 3) The interviews were recorded and transcribed, then later analysed with **affinity diagramming**

AFFINITY DIAGRAMMING

A feeling of doing something meaningful is important

Need for an outside influence to redirect attention from the phone

Seeing progress is important to stick to a habit



ANALYSIS

Screen device use was a common problem for all participants, both extroverts and introverts, so we focused on that and left sleeping habits behind. The main findings related to that were:

MEANINGFUL

They found different activities **meaningful**, but all would prefer to do meaningful things and **reduce their screen time**.

OUTSIDE INFLUENCE

Many needed some kind of **outside distraction** to take a break from the screen

PROGRESS

Seeing **progress** is important to stick to a habit

DEFINE

Our product should help young professionals be more intentional with the time spent in front of screens, and serve as an outside distraction to bring them out of undesired screen use. It should also let them see their progress.

IDEATION: BRAINSTORMING

We started with **KJ brainstorming** based on the findings from affinity diagramming, grouped the different ideas based on common themes and then voted on which we liked the most.





- o Set your own plan and try to follow it
- o. After finishing you will feel great achivement Not finishing makes you feel frustrated - Lead a feeling of przy
- o Can be presented in Calendar.
- see the monthly or weekly progress. The see report of what you have learned (you have sport your time on these things and have learned these things)
 - report after what you did - charge before what to do: get likes and
 - Could be an app on your phase but also include some physical gudget, thee a diffile calendar on your dask

 - Connected to calendar app and finds gaps in your calendar, · Connected to calcular app and the supporters of things to do when you are free and shows suggestions of things to do that time (the "VRP a museum of or " puch freuds")
 - Gues suggestion when choosing what to learn
 - Link you will people doing the same activity near you

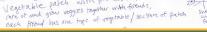
26 8



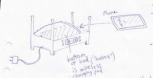
IDEATION: BRAINWRITING RESULTED IN THESE IDEAS



- o Use your phone to give the plant nutrition. put it into the slot
- o. Sleep time number of leave o social time o study time -
- o Wearable sensor defeat monsters trying to ear plants
- forest : see how your friends are doing
- use your resources to help treads: defend their trees from monotors (notivation to have
- You can design your free (or plant character?) through an app with rewards you get from achieving goals.
- COM VERY VENETO Vegetable patch with friends? You take care of and grow veggies together with friends,







- put phone in bed

- Cry or make sound when you take you shone dury the time range

- Start Playing music indicating

- Set your Phone to "Do not disturb" made Read aloud the notifications you miss (during sleep time)

Track your own sleeping condition. - show on the shone bed

- light up when it's time to wake up - play bird sounds?

play a special song when you least a sheak linke different from 7 days, 30 days, etc...

that makes a sound

to tale a break

Man idea

Round 2.

Needs to be held in both hands for a set amount of time to ealm down

reached, or when it is time

- should feel nice to hold. Perhaps slightly heavy? yelvety texture?
 - Stress bull design: You can squish it or fidget
- Could be play Azhre design: It is designed like a tennis ball or pringis ball and you need to glay with it (bound it / play plays) for 5 moutes or so

- help you take breath (control your break) Round 3=

Round 4: Crive the ball achievement function - Calculate the energy cost on it

- More possible motions are welcomed



PROTOTYPING

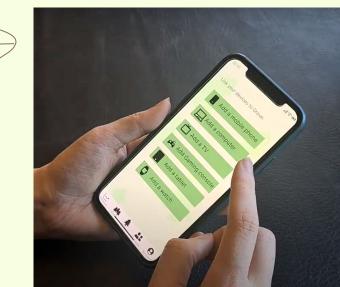
APP PROTOTYPE

We also created an **app prototype** using **Figma**, to illustrate how the product setup and connection to screen devices would work.

PHYSICAL PROTOTYPE

We chose the idea from our brainstorming that we thought fit the identified user needs the most: **A tree hologram that reflects you screen time use**

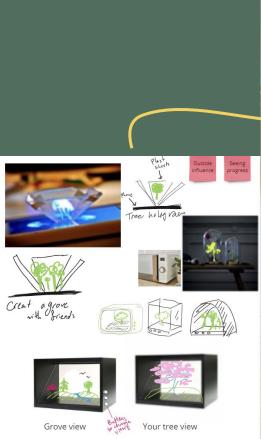
We then **built the prototype** using cardboard, old CD covers and paint.



PROTOTYPE HOLOGRAM

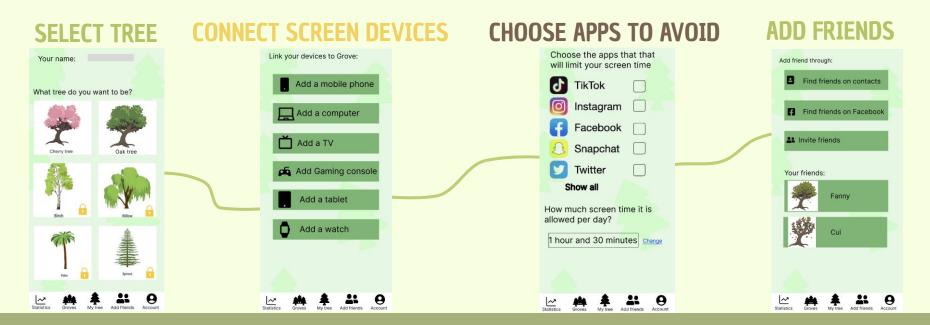
SKETCHES







FEATURE: SETUP IN APP



"SET IT AND FORGET IT"

To avoid creating more screen time for the users, the idea of the app is that it's a one-time set up that you go through. The main part of the interaction is then made through the physical hologram.

FEATURE: CHOOSE THE STYLE OF TREE YOU WANT

DIFFERENCES IN THE GROWTH OF THESE TREES







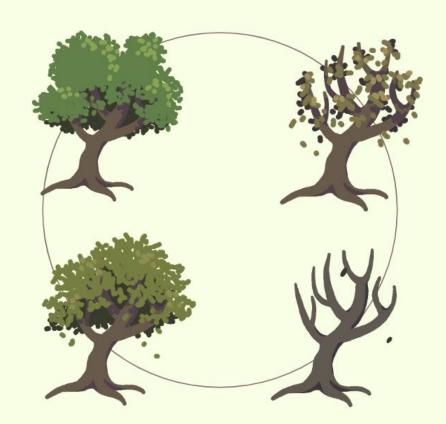
FEATURE: YOUR TREE'S HEALTH MIRRORS YOUR SCREEN USE

Healthy

You're on track with your goals!

Recovering

You've messed up in the past, but now you're starting to shape up



Declining

Oops! Your screen time is a bit too high

Dead

Your screen time has been too high for too long!

FEATURE: AUDIOVISUAL ALERT WHEN YOUR SCREEN TIME IS CLOSE TO YOUR SET LIMIT

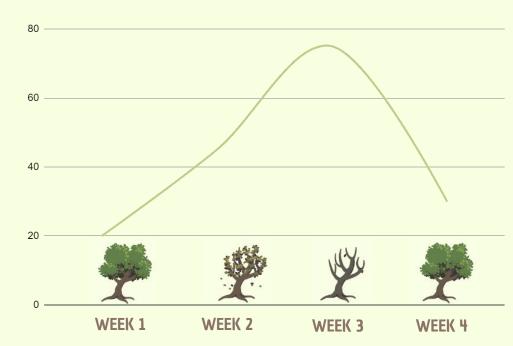




FEATURE: SEE PROGRESS ABILITY TO CHECK YOUR PROGRESS OVER TIME

Screen time (hrs)





FEATURE: INVITE FRIENDS TO A GROWE

KEEP TRACK OF HOW THEY ARE DOING



EVALUATION: INSIGHTS FROM USER TESTS

THINGS TO TAKE WITH US GOING FORWARD



SOCIAL ASPECT

Intuitive to help when possible: gifts, voice message, watering, etc

We tested the prototype using the Wizard of Oz method, where we remotely controlled what was showed on the hologram according to the user's interactions



VISUAL ALERT

The burning tree felt too stressful. Nice to synch it to the audio alert, like a thunder sound with a stormy tree in the rain



AUDIO ALERT

Users had very different audio preferences: they should be able to choose



BUTTON INTERFACE

The physical interface was nice! It kept in tune with the theme of disconnecting from screen devices, such as touch screen phones

THANK YOU!

Link to video

