# Designing for Migraines





#### Our Mission

Chronic migraines affect over 12 percent of the US population and is most common in adults ages 18 to 44. During migraine episodes, sufferers cannot function properly

Cocoon

due to their increased sensitivity to light, sound, and increased fatigue causing them to miss out on work for days at a time. To help combat the symptoms of migraines and help sufferers continue with their daily lives, we created Cocoon. Cocoon is a workplace migraine haven that adjusts its environment to the user's needs to help them

n that adjusts its environment to the user's needs to help them continue in their work and maintain workplace productivity.

1

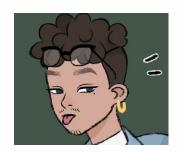
#### **Our Product**

Cocoon is a portable private workspace where users can enter its soundproof walls and shut the noise and lights of the office out while maintaining their productivity and drive. Combined with its corresponding desktop app, Cocoon tracks users' usage and environment preferences to create significant insights for users' usage patterns and understanding of their migraine preferences.

#### Our Competitive Advantages

Cocoon is the only private workspace on the market designed to help combat migraines and adjusts itself to the user's preferences based on their migraine needs. While there are other private workspaces on the market, none have been designed to allow users to focus on their health and comfort during a chronic illness episode for long periods of time while in the workplace. Our market research showed a demand in private dark workspaces that allow users to experience their migraine while at work without feeling shame or discomfort due to their environments.

## **Team Headstrong**



Eduardo Alfonso

Prototyping Lead

g Lead Projec





**Jasmine Attanasio** 

Project Lead



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Research Lead

UXDG



Natalia McElrath

Visual Lead



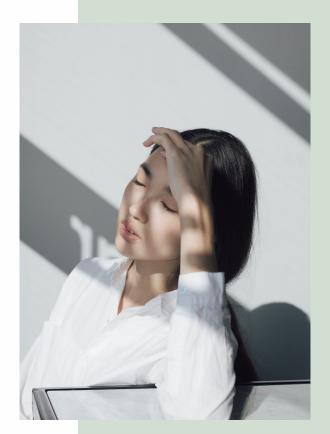
**Max Poliseno** 

Ideation Lead

UXDG

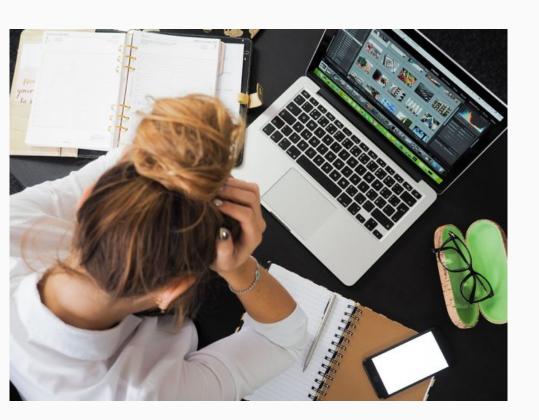
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## The Challenge.

This quarter we have been given the challenge of designing for stress. We were asked to focus on specific aspects of stress and how they affect users and devise our solutions for the causes or effects of the stress. We decided to target Chronic Migraines and their effects on users. We first begin our journey by defining stress and determining its relation to chronic migraines.



## Stress.

noun.

: a physical, chemical, or emotional factor that causes bodily or mental tension and may be a factor in disease causation

After thorough research we discovered that stress and migraines are directly correlated; stress tends to trigger migraines in those who suffer from chronic migraines and those migraines create increased stress and other mood disorders, causing even more stress. This leads to a never-ending cycle of pain in users.

## Migraine.

(noun)

: a condition marked by recurrent moderate to severe headache with throbbing pain that usually lasts from 4 hours to 3 days, and is sometimes preceded by an aura and is often followed by fatigue

## **Primary Research**

Migraine Research Foundation

After defining migraines and their direct correlation to stress, we furthered our research to understand just how many people are affected by migraines and how a migraine actually works.

#### Disabling

6th most disabling illness in the world.

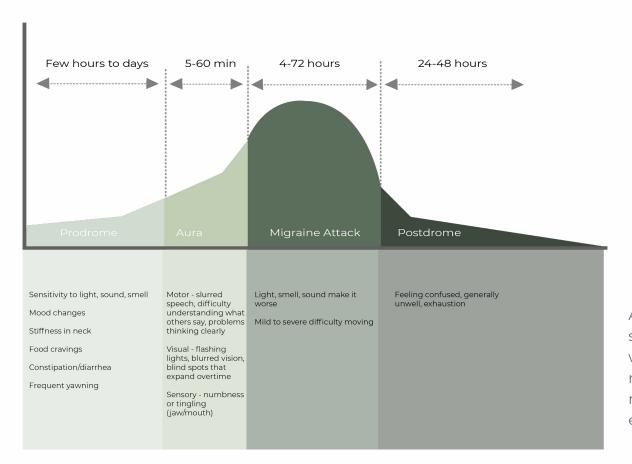
#### Inefficient

More than 90% cannot work or function normally during an episode.

#### Widespread

More than 4 million people have chronic daily migraines.

### **Migraine Progression**



A migraine is experienced in multiple stages. In the following graph you will see an in depth analysis of the migraine process and what someone might expect to experience during each stage.

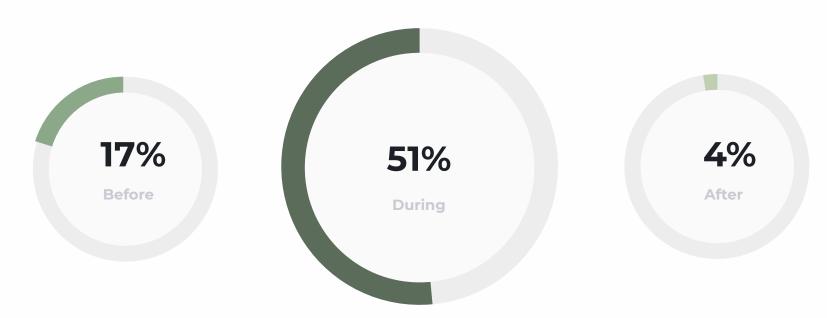


### **Primary Research**

Surveys and Insights

Once we fully gathered an understanding of what a migraine was, we proceeded into primary research by creating a survey which we distributed into multiple migraine Facebook groups and migraine sufferers. The survey was intended to understand when our intended users experience the majority of their symptoms, to what severity, and what the symptoms were. The next few pages highlight the insights we received.

Stages where symptoms are experienced the most...



## **Key Survey Insights**

45%

100%

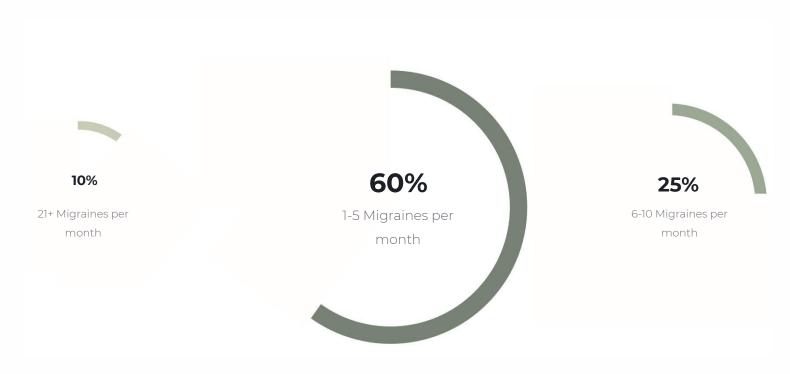
96%

Have inhibited motor functions

All migraines are experienced differently

Experience sensitivity to light and sound

## **Migraine Frequency**



### **UX Problem**

After conducting our survey and interviews we discovered a problem. Majority of our users did not feel that the available products for their migraines catered to them. This presented us a UX problem: since all migraines are so individualistic there is no one solution to help soothe migraines.

As each migraine is different, so are the symptoms sufferers experience, this causes solutions to be varied in success rate, forcing users to continue to suffer.



## **Primary Research**

Market Research

Our users informed us that not only are their migraines various and different but that the solutions available are as well. To fully understand what our users have available to them, and how they feel about these products, we conducted extensive market research of both physical and virtual products designed to aid migraine sufferers.



#### **MigraneX**

Pressure regulating earplug

#### Cefaly

sends mild electrical pulses to the wearer's



## **Existing Inspiration**

Wearable Technology

Wearable technology is booming to detect what your protectors and triggers are.

#### **Physical Design**

Identifies triggers

Track + stops migraine



#### Coisum Orthopedic Memory foam Pillow

Head and neck relief pillow

#### Trigger Point Massage Balls

Massage pressure points on head, neck, and shoulders



## **Existing Inspiration**

Pillows and massagers

There is a plethora of specialty pillows and massagers to both smooth and prevent migraines and headaches.

#### **Physical Design**

Prevents migraines
Soothes headaches and migraines



#### Manage My Pain

Helps you track symptoms of your migraine attacks

#### Migraine Insight

Help you identify triggers, combination triggers, or patterns that are correlating with your



## **Existing Inspiration**

Apps

Apps are used to track and log symptoms and can be paired with a wearable technology.

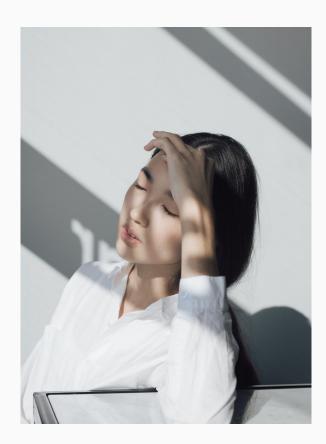
#### **Interactive**

Identify triggers used for prevention
Track and record migraine
Track migraine symptoms
Learn healthy coping mechanisms

## **Target User**

Adults (18+

Frequent migraine sufferers who are working in an office setting or in higher education.



## **Design Opportunities**

Educational and Healthy Coping Mechanisms

Getting to know your type of migraine

Knowing what can help before an episode starts

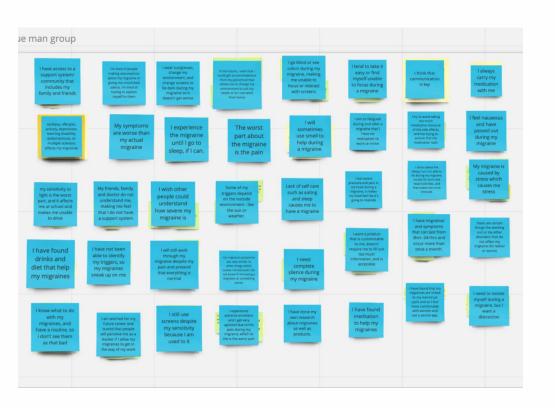
Having family/friends help when an episode starts

Staying calm

Learning healthy coping

## **Expected Outcome**

A *physical or virtual* product that aids in the education and overall *relief* of migraine symptoms.



## Affinitization & How Might We

To fully understand what our users told us during our interviews and survey, we conducted a group affinitization where we took every sentence said by our users during an interview and formed it into a data point. We then spent multiple days combining similar data points into larger and larger groups till we reached our How Might We statements, the statements that determine the intent of our project.

12

Interviews

630+

Datapoints

9

HMW Categories

HMW: help users find methods that are effective for their migraines (41)





HMW: assist users in completing their work despite their pain (31)

HMW: help users to discover and understand their triggers to alleviate their

my triggers, so my

HMW: facilitate communication and deeper understanding with social and professional environment to create a more comfortable future (136)









HMW: help users find their routines and methods that will help them in their migraine (108)







HMW: users handle the severity, frequency, and duration of their symptoms (33)

my actual

HMW: Help the user's emotional understanding of their sensory and emotional hindrances (151)



HMW: help users find self care methods

as a child when I

## **How Might We:**

Focused Design Questions:

... help the user's sensory and emotional hindrances?

... help users find their routines and methods that will help them in their migraine?

... facilitate communication and deeper understanding with social and professional environment to create a more comfortable future? ...help users find self care methods that keep them from having migraines

...help users to discover and understand their triggers to alleviate their fear





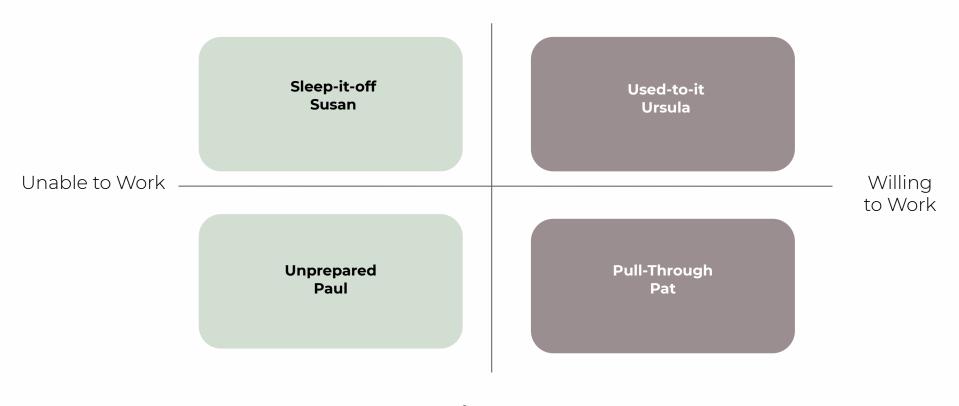




#### **User Personas**

Now that we reached an understanding of our users, the current market, and the user's needs and wants, we created user personas. User personas are designed to represent the various types of users that our product targets. We designed four major users:

Used to it Ursula
Pull Through Pat
Sleep it Off Susan
Unprepared Paul



Infrequent Migraines

## **Used-to-it Ursula**

Lawyer from Israe

Having gone through her routine for years, she knows her limit and energy capacity, which allows her to continue on with her daily functions at work, even if there's a limit to how much screen time or noise she can handle. Ursa knows if she misses out on her work every time she had a migraine, she might as well be unemployed, and prefers to push through the pain to continue her daily life.

47
Years Old

Age Migraines
Started





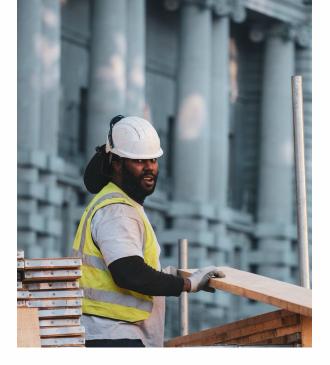
## **Pull-Thru-Pat**

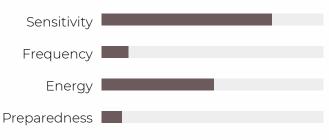
Construction Worker, PA

Pat isn't used to his migraines so he's not quite sure what to do with himself yet, but he knows he can't miss work. Despite the pain Pat just pulls through it and tries to continue his day. Once he gets home, Pat collapses on his bed, fully drained from his energy.

30 Years Old

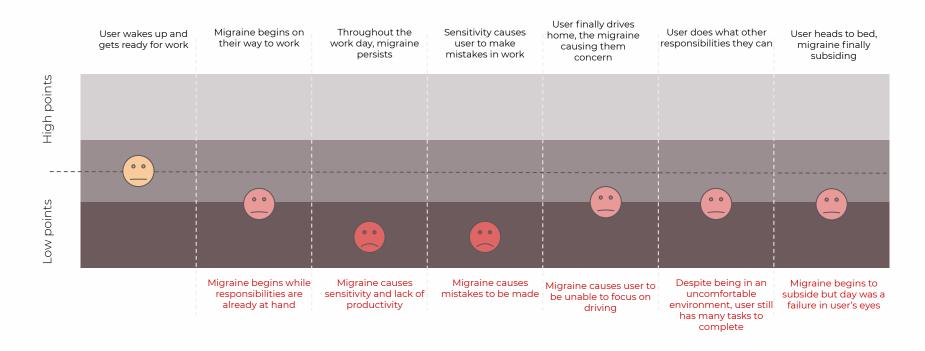
Age Migraines Started





## Working Through the Pain

Used-to-it-Ursula and Pull-Thru-Pat



## Sleep-it-off Susan

Teacher, Columbus OH

Though her migraines come frequently now, she still can't find the energy to bring herself to teach her choir class, which she knows will make her migraine even worse. Once her migraine hits, she calls in sick from work, shuts herself in her room, and waits for the migraine to go away.

Sensitivity

Frequency

Energy

Preparedness

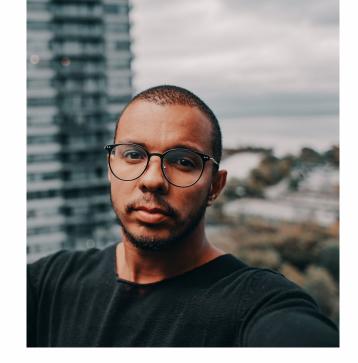
28 Years Old 20 Age Migraines Started

## **Unprepared Paul**

Student Puerto Rico

Paul is not sure what triggers hi migraines so he feels unprepared each time they appear, so he ends up collapsing in bed the moment one comes and ends up having to skip his classes and work. He's worried that if it keeps happening he'll end up failing his classes.

21 Years Old Age Migraines Started



Sensitivity

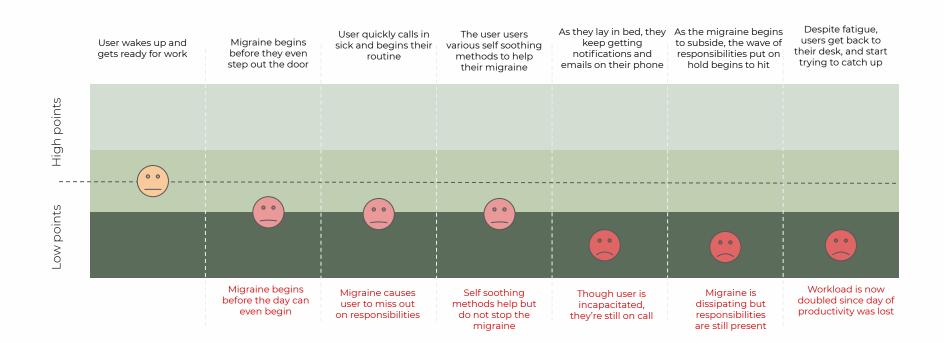
Frequency

Energy

Preparedness

## Letting the Pain Take Over

Sleep-it-off Susan & Unprepared Paul





## **Initial Concepts**

Once we reached a full understanding of our users, we designed three initial concepts to target our multiple user groups. Each concept was designed to focus on a specific How Might We statement to ensure our products reached the users' highest frequency needs and wants.

## **Our 3 Concepts**







#### **Smart Glasses**

Smart glasses that adjust to the environment around you.

#### **Black Box**

A smart pod that is your escape from sensory overload.

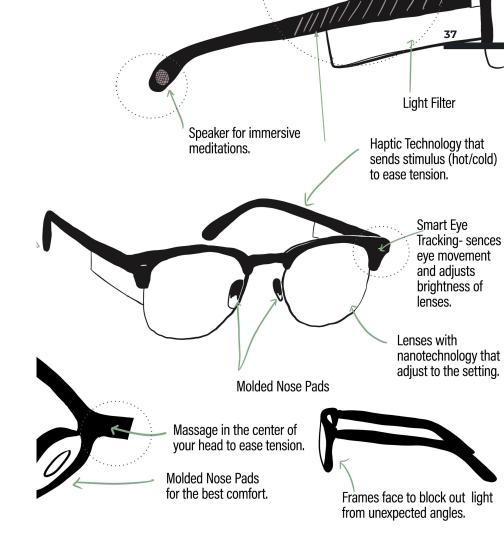
#### **Smart Calendar**

Tracks calendar without the barrier of screen.

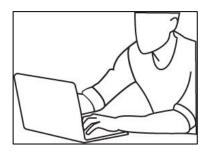
#### **Smart Glasses**

Concept '

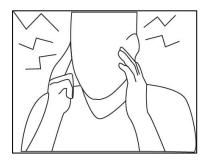
Glasses that use filter technology that tracks your eye movement adjusts settings to deal with light and sound. It also uses haptic feedback and sound to reduce the severity of symptoms.



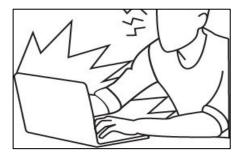
#### Storyboard. Concept 1



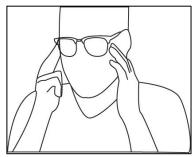
Paul's job requires him to sit at his computer all day



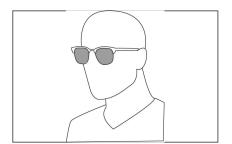
As a migraine starts to creep up on him, Paul begins to feel severe pain



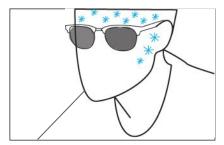
The incandescent lighting and glare from his computer start to become unbearable



Paul decides to put on a pair of migraine glasses which help lessen the severity of his surroundings



The glasses begin to tint to Paul's preference, helping darken his surroundings to suit his needs



As his migraine persists, Paul activates the cooling sensors on his frames, sending cooling waves on his temple



As he continues on with his day, Paul listens to migraine meditations to help soothe him



Paul is grateful for his glasses that help adjust his stimuli to suit his needs

#### **Black-Box**

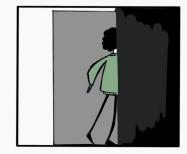
Concept 2

A fully customizable work environment that adapts lighting, sound, and privacy settings to fit the user's individual migraine needs

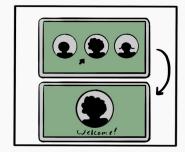
#### Storyboard. Concept 2



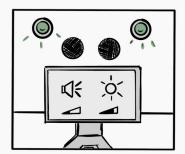
As Susan get a migraine she finds it impossible to focus on work.



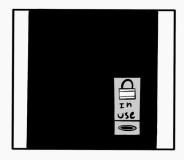
She enters the nearest Black-Box, and is immediately placed in a peaceful and controlled environment.



Susan easily signs into her personalized profile with her unique preset preferences.



The computer and workspace automatically change to her preferences, as the lights and speakers adjust to soothe her..

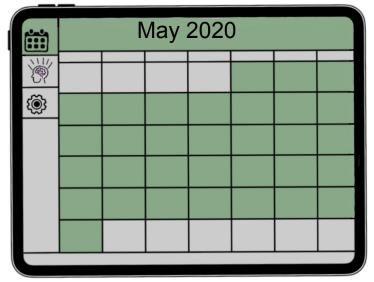


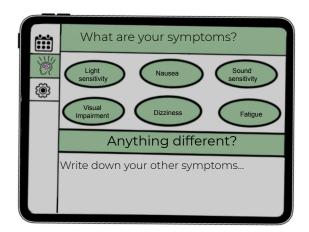
Susan is now able to remain undisturbed and undistracted due to Black Box's privacy features.



The customization and controlled environment provided, help ease Susan's migraine symptoms and allow her to stay productive in her workplace.

Calendar Symptom survey Settings





#### **Smart Calendar**

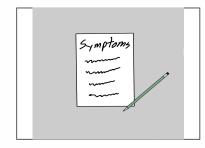
Concept 3

A wall attachment calendar tracker that allows the user to track symptoms and triggers, see patterns in between migraines and share information with support system professionals.

### Storyboard. Concept 3



Ursula experiences daily migraines and is used to working through the pain.



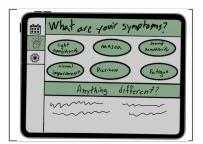
She wants to track her symptoms and triggers to understand changes overtime.



Having frequent symptoms or triggers suggested each time helps with consistency and wording.



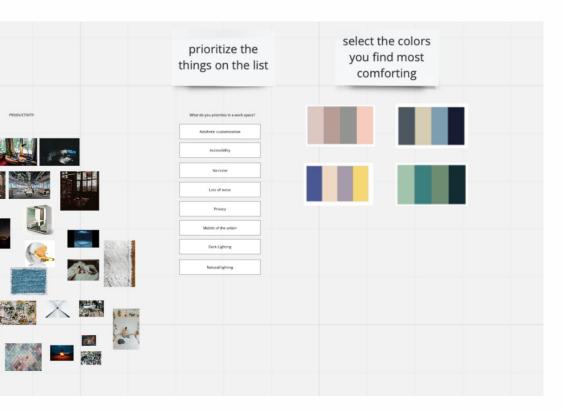
Smart Calendar allows Ursula to see patterns within her migraines when looking back on them.



Ursula is also able to share her symptom and trigger trends with her neurologist and other professionals.



Altogether, Ursula and her support team can see her unique trends over time as her symptoms, triggers, and overall migraines change.



#### **Refining the Concept**

After thorough deliberation and concept analysis, our group decided to continue refinement of our Black box. We conducted analysis of the current competitor market to understand what our product needs to both stand out and benefit a wide set of users; in addition, we conducted a Sensory Cue Kit<sup>1</sup> to understand our user's aesthetic and environmental preferences.

### **How Might We**



... help the user's sensory and emotional hindrances?



... facilitate communication and deeper understanding with social and professional environment?

#### **Black-Box**

Concept 2

A fully customizable work environment that adapts lighting, sound, and privacy settings to fit the user's individual migraine needs

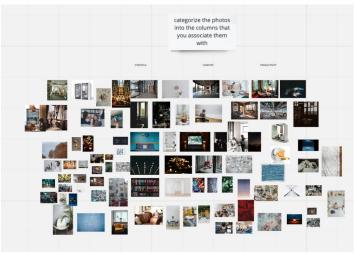
### **Competitor Analysis**

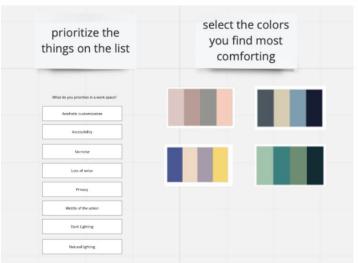
	Features	Screen Provided	Wheelchair Accessible	Storage	Chair	Speakers	Adjustable Desk	Dimmable Lighting	Charging Station	Sound Proof	AC
Company	Hush	X	X	/	X	/	Χ	/	/	/	/
	Emagispace	X	X	Χ	X	X	/	/	/	/	/
	Zenbooth	X	X	Χ	X	X	/	/	/	/	/
	Framery	X	X	Χ	/	/	Χ	X	=	/	/
	Spaceworx	X	X	Χ	X	Χ	X	/	/	/	/
	Officebricks	X	=	Χ	X	Χ	/	X	/	/	/
	Room	X	X	Χ	X	X	Χ	Χ	/	/	/
	Studiobricks	X	=	Χ	X	X	Χ	X	/	/	/

X = Does not include

= Included

= Can be included





### **Sensory Cue**

Image Sorting
Feature Prioritizing
Color Palette Options

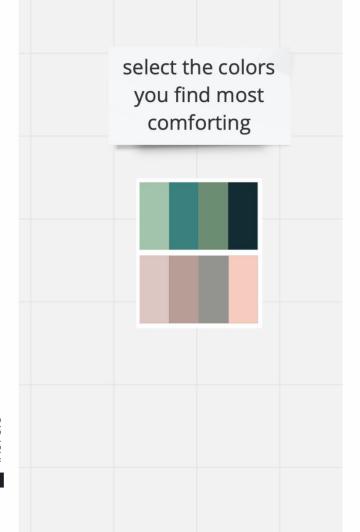
**15**Participants

### **Sensory Cue Insights**

- Interaction with others to be the most stressful
- Loud spaces to be stressful
- Dark rooms with natural or low warm lighting to be comfortable
- Clean and low naturally lit places as productive

### **Sensory Cue Insights**

- Prioritized dark lighting and no noise
- 2nd in priority were privacy and accessibility
- Lowest priority was aesthetic customization, natural lighting, middle of the action, and lots of noise



### **Sensory Cue Insights**

- Green as an ideal palette with pink second
- In the future, the green should have more similar shades and not go as dark



#### **Refined Concept**

nitial Design

Based on our data from our Sensory Cue Kit<sup>2</sup> and market research, we created Cocoon, a unique workplace haven for migraines that allows uses to customize its interior environment to their needs both within its walls or through its corresponding app. In the next pages you will see Cocoons full features and design.



# The Workplace Haven for Migraines

Cocoon is the ideal way to stay productive while customizing your space to your migraine needs.

Cocoon



Dimmable RGB lights

Adjustable standing desk

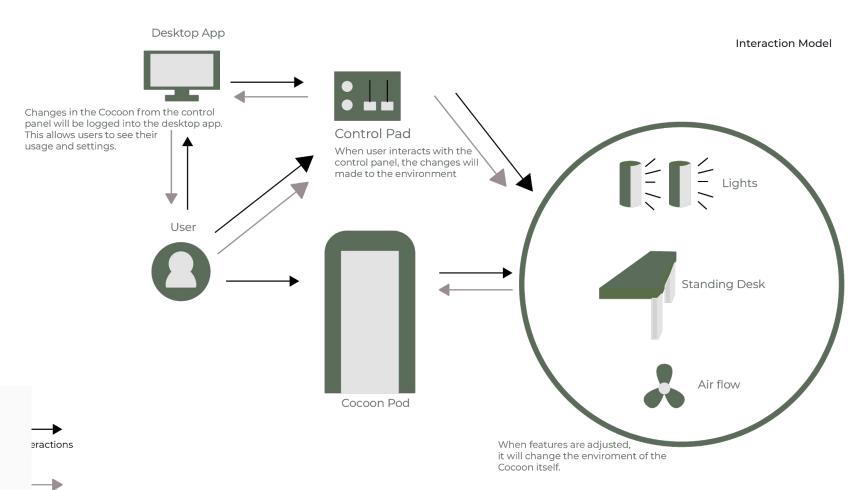
Ventilation for fresh air

Sound-proof walls



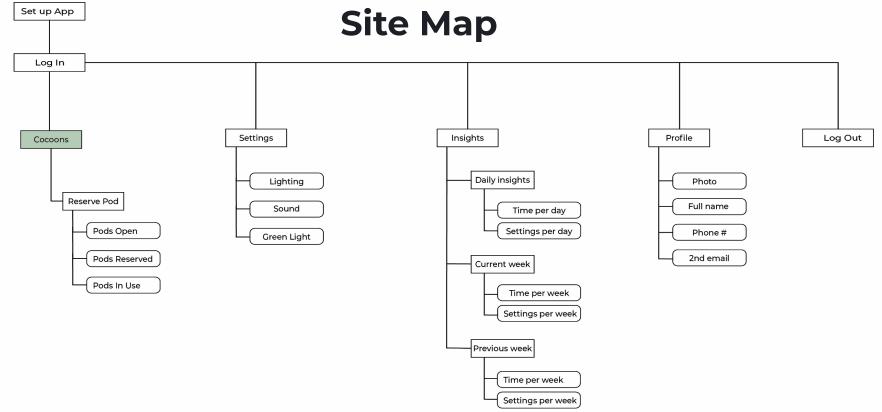
#### **Cocoon Features**

- Fully Adjustable Environment
- Privacy Blinds
- Personalized account sign in



nication between

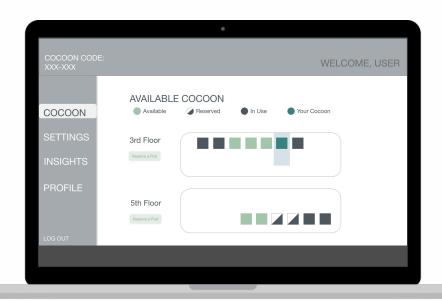
### **Desktop Initial Site Map**



# ACT 275

#### **App Features**

With Cocoon's companion app, users are able to see pod availability, change their settings from their desk and look at their personal data usage.



Reserve or use on the go

Adjustments for you

Analyze your usage



#### **Evaluation Methods**

To fully flesh out our idea, we conducted various evaluation methods including Quasi empirical design questions, expert user testing, system usability scale. Through these methods we asked our users to evaluate our designs in order to increase user flow, comfort, and effectiveness.

Q

Quasi Empirical Design Questions

Physical product

#### Migraine Users and Expert Testing

Physical product & Desktop Application



**System Usability Scale** 

To measure application against industry standard

# **Evaluation Questions**

- How can we design a space that is both approachable, comfortable, and focus minded for our users?
- Does the flow and usability of our app correspond seamlessly with our product?
- How effective is our product at easing migraines and maintaining productivity in our users?



**User Testing.** 

Round 1

Users were then given access to the Cocoon desktop app prototype and were asked to conduct tasks.

6

Users

2

Expert Interviews

#### **Scott McElrath**

Architect - Dangerous Architects

#### Physical Form:

- Doesn't look much different than a tiny office/cubicle
- Look into ADA compliance/electric/HVAC fixtures
- Be more intentional with our features, design for holistic experience around the name "Cocoon"
- How will business set it up in office spaces?

"It would be nice to see some designs that "dress" it up a little so it's not just a box."

### **Taylor Dunley**

UX UI Designer - RADIO SYSTEMS; PetSafe

#### General:

- The analog is nice, especially for when dealing with migraines
- Space could potentially be too small for some
- Could potentially have a stigma around it [cocoon pod]
  - Questioned if it is a place to work or a place to unwind

"I'd live in here."

#### UI interface:

- Settings for different profiles
  - Focus, Migraine
- Separate reserve button is a little unintuitive
- Most people associate account/ profile and logging out, so they don't need to be separate

### **System Usability Scale**

https://www.usability.gov/how-to-and-tools/methods/system-usability-scale.html

>80.3 - Excellent

68-80.3 - Good

68 - Okay

51-68 - Poor



Our Score: 90.7

N = 7

### **System Usability Scale**

SUS Evaluations

#### Questions with largest variety of answers:

I found the app interface unnecessarily complex.

I thought the app interface was easy to use.

#### **Improvement**

More emphasis on the relation and use of Cocoon and companion app

Trimming down personal information & rewording to be more organic

## IACT 375

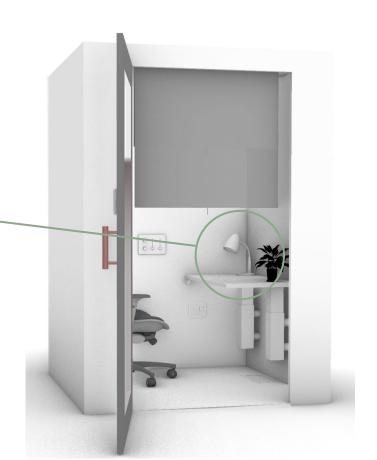
### **Physical Form**

#### **Problem**

- People found Cocoon approachable but not inviting
- Users didn't believe they would use the desk lamp with a migraine

#### **Potential Solutions**

- Redesigning pod to be more organic and approachable
- Redesign lighting system above the desk



### **Physical Form**

User Preferences

- Frosted door for natural light
- Hidden soundproofing
- Card sign-in
- Users prefer analog over interface
- Users wanted control over the warmth of the light, but didn't care about changing the color



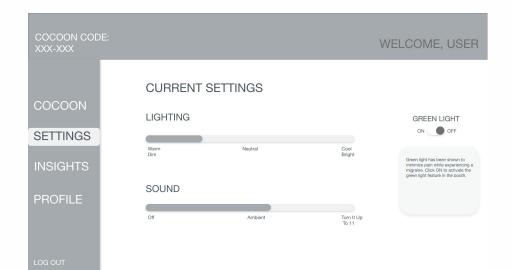
### **Desktop App**

#### **Problem**

Users were uncomfortable with having personal information on app

#### **Potential Solution**

 Re-evaluate the need for a profile/ contact page and information



### **Desktop App**

#### **Problem**

 Users want to be able to adjust preferences for all components within the app

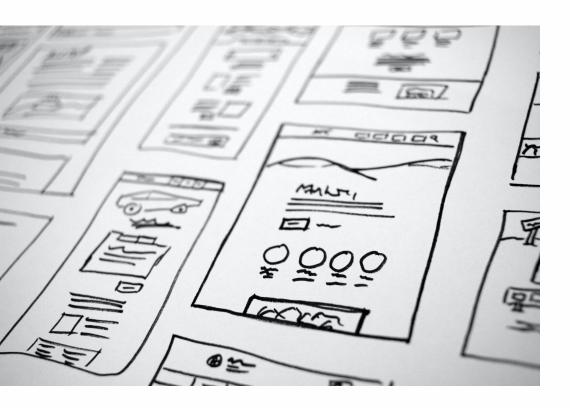
#### **Potential Solution**

- Adding all settings from physical Cocoon Pod into the app
- Creating categories for different modes focus & migraines
- Many users were intrigued by the green light definition and benefits.



## Requested Changes Summary

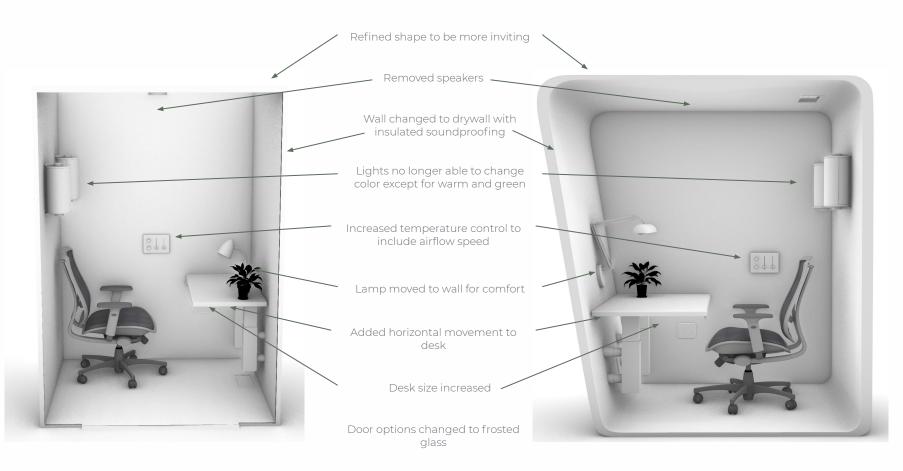
- Adding all settings from physical Cocoon Pod into the app
- Creating categories for different modes focus
   & migraines
- Re-evaluate the need for a profile/ contact page and information,
- Redesigning pod to be more organic and approachable
- Redesign lighting system above the desk

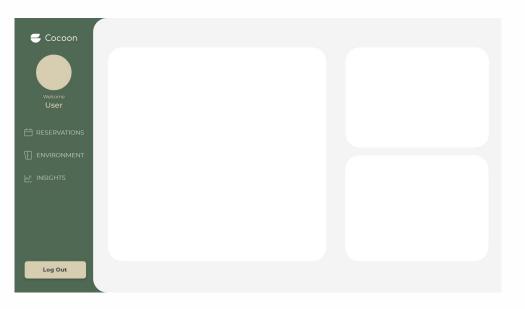


#### **User Tests Pt. 2**

Based on our initial user testing we conducted a second round with our refined design and app. While the first round of user testing focused on usability and flow, the following user tests were strictly expert testing focusing on the aesthetic of the product and its branding.

#### **Physical Changes**





Layout Changes

- Navigation menu moved to side
- Categories changed from:
- Home -> Reservations
- Settings -> Environment
- Profile -> User's Name
- Insights remains same



Before



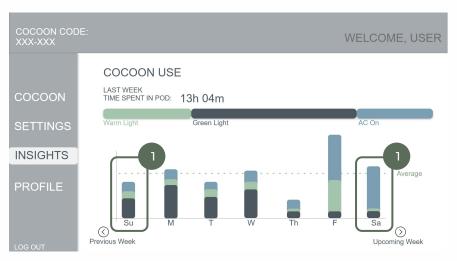
After

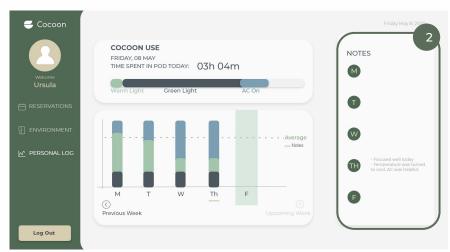
- 1. Floor format changed
- 2. Available Cocoon changed to Reserve Cocoon
- 3. Reserved Times and Your Reservations added
- 4. Key moved to individual floors
- 5. Pod indicators rounded





- 1. Profile image placed in navigation menu
- 2. Dark mode added
- 3. App extensions added
- 4. Notes removed
- Technical information added





Before After

- 1. Saturday and Sunday removed
- 2. Notes added

#### **Eliezer Baruch**

VP of Solution Engineering - Commscope

#### Cocoon Pod:

- Frosted door preferred
- Would be fun if walls were customizable for company (or just offered in various customized options)
- Wall material should be soundproof
  - Specify what that material is
- Screen should show if it's occupied or reserved

- Date type is too faint
- Ocular migraine description text too small
- Friday highlight too faint
- Clicked on date not on back to return in insights page
- Outlook instead of Teams
- Doesn't understand what app extension means in this context
- Fonts differ in account page
- Go over text grammar
- Add #'s or names to squares in reserve
- Floor plan on side of reserve screen and highlight pod's location when pod is chosen
- Change insights to "personal log" so users know it's just their insights not the entire company

### **Taylor Dunley**

UX UI Designer - RADIO SYSTEMS; PetSafe

#### Cocoon Pod:

- Blinds should be connected to door
- Lamp will get hit by desk when desk is lifted to standing
- Maybe make base higher or narrower
- Adding frosted glass to door could be alternative to blind?
- Want pod to indicate that it's been reserved or occupied, not just on the app

- Spacing needs to be continuous throughout all boxes
- Settings for temperature would not expect conversions to be there
  - Maybe in account settings is where I would find that
- Add weekly notes
- Daily highlight for insights in light mode is too subtle (dark mode = ok)
- Click on a day to see the notes/times spent & click again to go back to normal
- Swap placement of your reservations and reservation times

# CT 375

#### **Scott McElrath**

Architect - Dangerous Architects

#### Cocoon Pod:

- Make switches at 3' level so people with wheelchairs can do it without struggling
- Add more glass to make space less claustrophobic
- Also a person with a wheelchair would be hard to get in and out with bump
- Desk should fold in to give more room to the space
- Make this an oasis, a retreat for people, a special space- it feels just like an extra space right now
- Angled wall helps with claustrophobia
- modular door that allows you change the amount of light let in by door handle

- It's confusing to have a reserve and in use space.
- No success page after reservation of Cocoon.
- What if I want the lights completely off?
- I like the settings panel
- I like the green light/and changing those settings

### Ryan O'Quinn

Engineer- Process Results, Inc.

#### Cocoon Pod:

- Material unclear
- Desk connection to wall is too heavy for thin walls
- Vent on the ceiling should be a diffuser instead of grill.
- We should move the grill that is below the feet to the back and potentially add a couple more on the sides to get more fresh air in.
- Instead of two bulky lights behind you, use led strip lights that surround you so there is no shadows and you can turn on and off which wall you want.

- Add a floor plan to it instead of just the pods.
- Most people don't really know what airflow they want
- What does notes mean? Notes on what?
- Where is settings?

## IACT 375

### **Physical Changes**

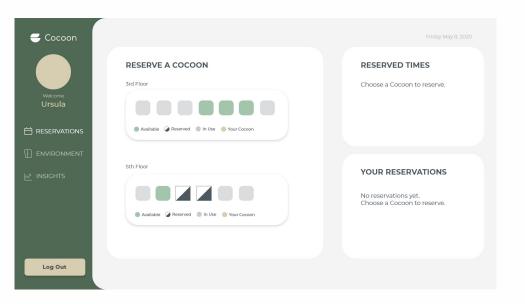
- Vent on the ceiling should be a diffuser instead of grill.
- Lamp will get hit by desk when desk is lifted to standing
- Move the grill that is below the feet to the back and potentially add a couple more on the sides to get more fresh air in.
- Instead of two bulky lights behind you, use led strip lights that surround you so there is no shadows and you can turn on and off which wall you want.
- Make switches at 3' level so people with wheelchairs can do it without struggling
- Desk should fold in to give more room to the space
- Desk connection to wall is too heavy for thin walls



### **Physical Form**

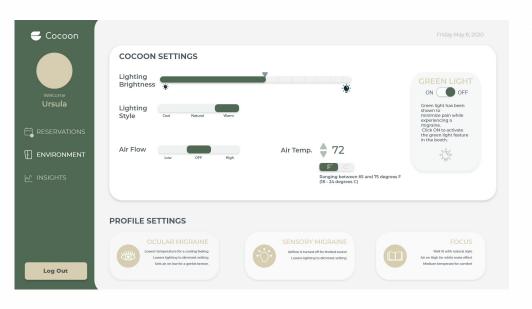
- Blinds should be connected to door
- Screen should show if it's occupied or reserved
- Frosted door preferred
- Also a person with a wheelchair would be hard to get in and out with bump
- Angled wall helps with claustrophobia





Reservation Changes

- Add numbers or names to pods
- Add floor layout so users can see where pods are located
- Reserve vs in use is confusing
- Swap placement of "Reserved Times" and "Your Reservations"



**Environment Changes** 

- Ocular migraine description text too small
- Settings for temperature would not expect conversions
- Most people don't really know what airflow they want



Insight Changes

- Name changed to "Personal Log"
- Add weekly notes
- Daily highlight for insights in light mode is too subtle (dark mode = ok)
- Click on a day to see the notes/times spent & click again to go back to normal
- Friday highlight too faint
- Clicked on date not on back to return in insights page



Account Changes

- Teams needs to be replaced with Outlook
- Users confused by need for app extension
- Check for consistency in typefaces

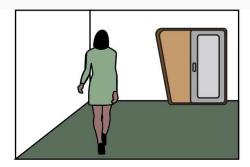


#### **Final Delivery**

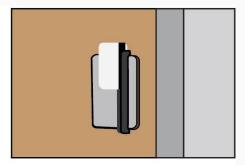
Cocoon is a portable private workspace where users can enter its soundproof walls and shut the noise and lights of the office out while maintaining their productivity and drive.

Combined with its corresponding desktop app, Cocoon lets users track their usage and preferences to help adjust their environment to their exact needs

Ursula begins to feel a migraine starting while she's at work.



She quickly goes to the closest Cocoon before her migraine becomes unbearable.



She swipes her employee card and enters the Cocoon.



Ursula makes herself comfortable in the Cocoon.



As her migraine continues, she changes the environment of the Cocoon to be darker to maintain her comfort.



Despite her migraine, Ursula continues to maintain her productivity in comfort.



### The Workplace Haven for Migraines

Cocoon is the ideal way to stay productive while customizing your space to your migraine needs.

#### **Key Features**





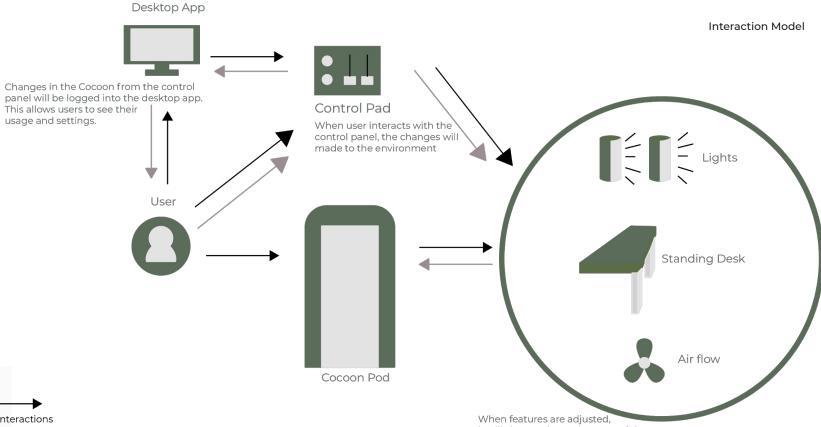




Backlighting for indirect light with dimmable and hue changing ability.

Keypad that tracks time spent in the pod, as well as, allows for easy entry. Adjustable settings to create the perfect environment to get stuff done.

Adjustable desk lamp for any position and height for better and more precise work.





KEY.

When features are adjusted, it will change the environment of the Cocoon itself.

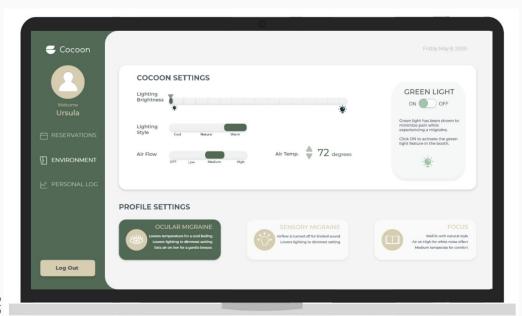




Reservations

See which pods are readily available.

Reserve on the go with the app and have the ability to change the times later.



Environmen

Command central for the Cocoon environment settings.



Personal Loc

Insights for personal Cocoon use and ability to document notes .



Account and Settings

Insights for personal Cocoon use and ability to document notes .

#### **Dark Mode**

Command central for the Cocoon environment settings.





# Cocoon

The Workplace Haven for Migraines





Natalia McElrath / Hagar Baruch / Eduardo Alfonso / Jasmine Attanasio / Max Poliseno



#### Sources

- A. Migraine data from American Migraine Foundation.
- B. Images courtesy of Unsplash.com.
- C. Sensory Cue Kit copyright by Lextant, All rights reserved.
- D. System Usability Scale created by John Brooke (1986).

