

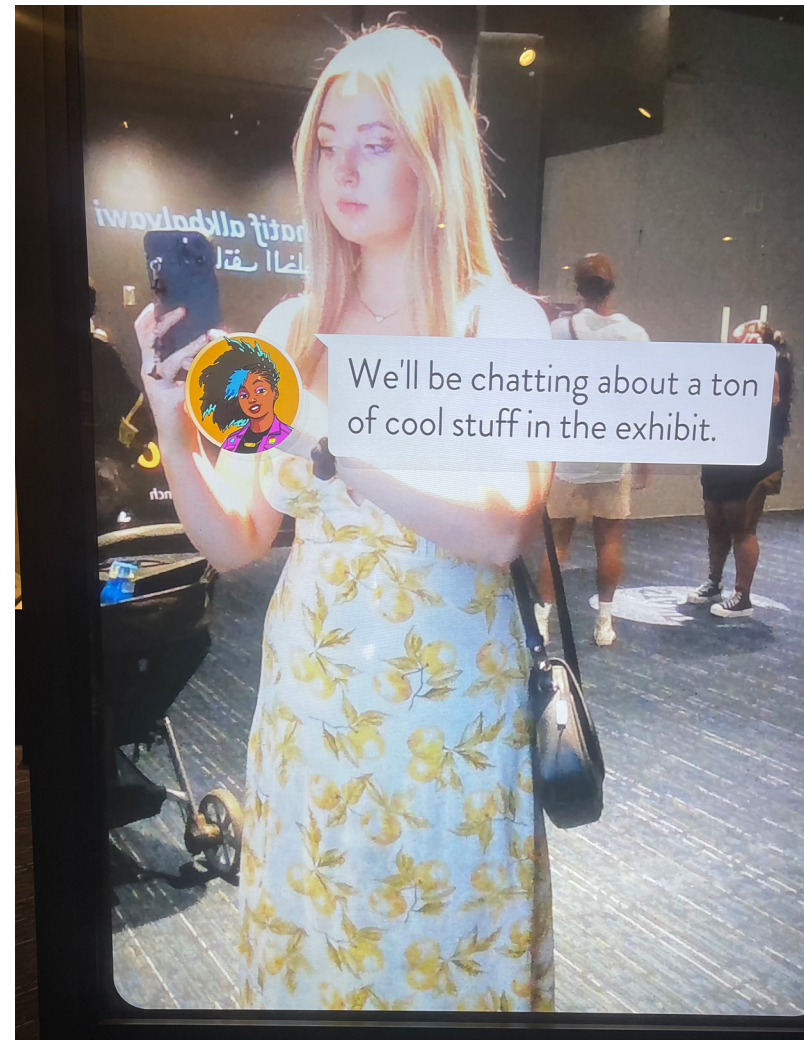
Device Doctor

Diagnose and Repair

A Mobile App for Diagnosing Electronics

Isabel Humphrey 2023
CGD 3090

Inspiration



This project was inspired by *Cellphones: Unseen Connections*, an exhibit at the National Museum of Natural History.

I was inspired to create a project based off this exhibit because of how relevant cellphones are to everyday life.

The museum went over elements found in cellphones, anatomy of a call, items cellphones have replaced, and had a large section of information on e-waste, recycling, and repair.

Purpose of the App

The *Device Doctor* app allows users to figure out what's wrong with their device when they notice it experiencing a problem, without the trouble of having to go to a repair shop just to find out what's wrong, or googling aimlessly with mixed results.

- Convenience
- Clarity
- Quick Problem Solving
- Planning and Scheduling



Diagnosis Function

- After filling out a quick questionnaire, the app will diagnose your device and recommend the best options for repair.
- You have the option of either getting connected with local technicians to do the job for you, or opting to repair the device yourself (more cost effective).



Design

The Idea

A simple, attractive interface that will make the nitty-gritty of device hardware appear simplified and manageable. The audience is people who don't know much about the physical build and system of devices, and the design as well as the language used makes something complicated seem more approachable.

Iconography



Typography

Rozha One Regular

created by the Indian Type Foundry,
licensed by Google fonts

Created as a display typeface, with use of thick lettering.
Used for logo type as an attractive and eye catching
element to engage viewers.

Work Sans Regular

designed by Wei Huang

Australian type designer Wei Huang loosely based this
on early grotesque types. Its features are optimized for
screen resolutions so they work well as both body copy
and titles.

The designer believes drawing fonts is like meditation,
which is fitting for the calmness I wanted to go for.

ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz

abcdefghijklmnopqrstuvwxyz

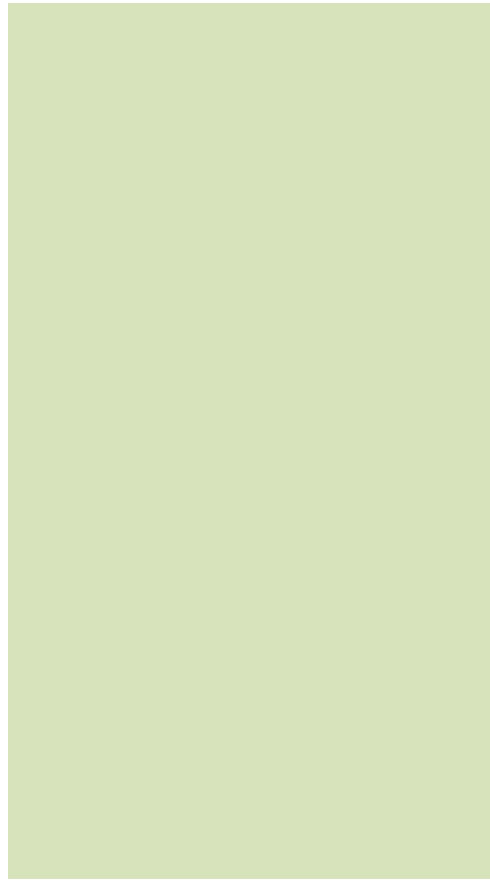
ABCDEFGHIJKLMNOPQRSTUVWXYZ

1234567890!@#\$%^&*()

Color



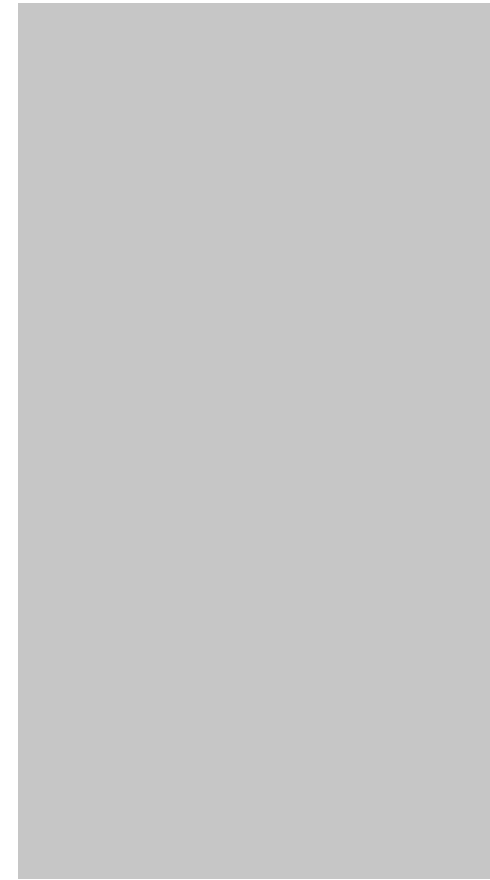
#748C3B



#D7E3BA



#C3CDAB



#C6C6C6

These various shades of green mixed along with black and white were used to further emphasize the idea of nature as represented in the logo, and to create a calming ambiance as the user navigates the scientific world of cell phone technology, with the idea of “going green.”

508 Compliance

#F7FFE3	Text AA18 3.6
#FFF	Text AA18 3.7
#000000	Text AA 5.5

AAA Pass, AAA (7+)

AA18 Pass, Large Text Only

AA Pass, AA (4.5+)

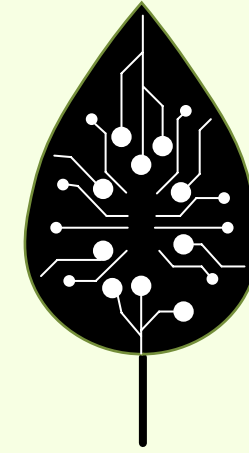
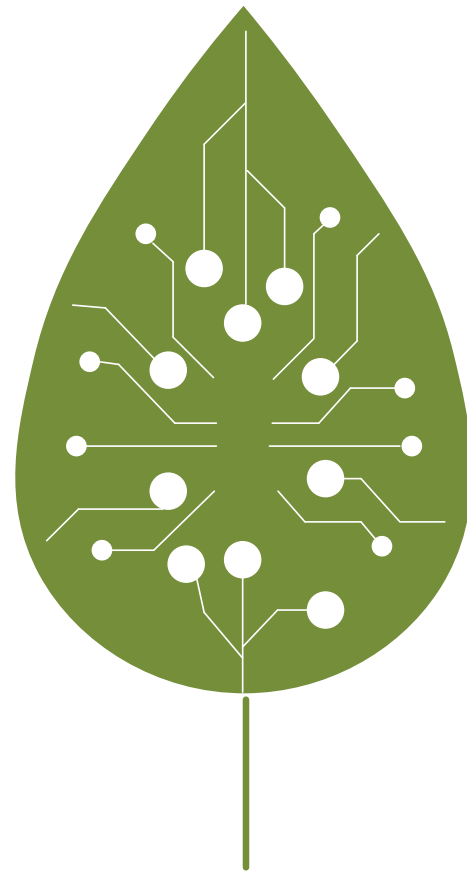
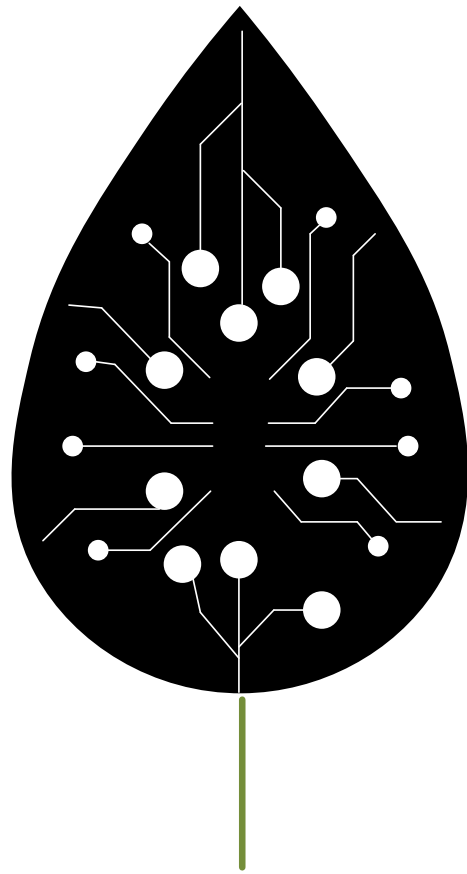
DNP Does Not Pass

To comply with accessibility standards, dark green text can be used on black backgrounds and on white backgrounds in large type only.

Logo

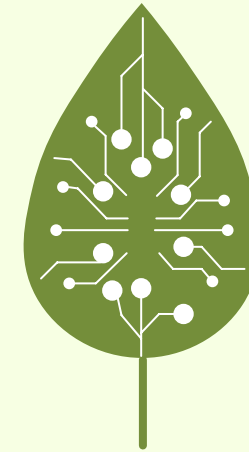
Circuit Board - represents anatomy of electronic devices.

Leaf - represents nature, a symbol of the environmental influence of repairing cellphones, and a symbol of healing.



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Wireframe Sketches

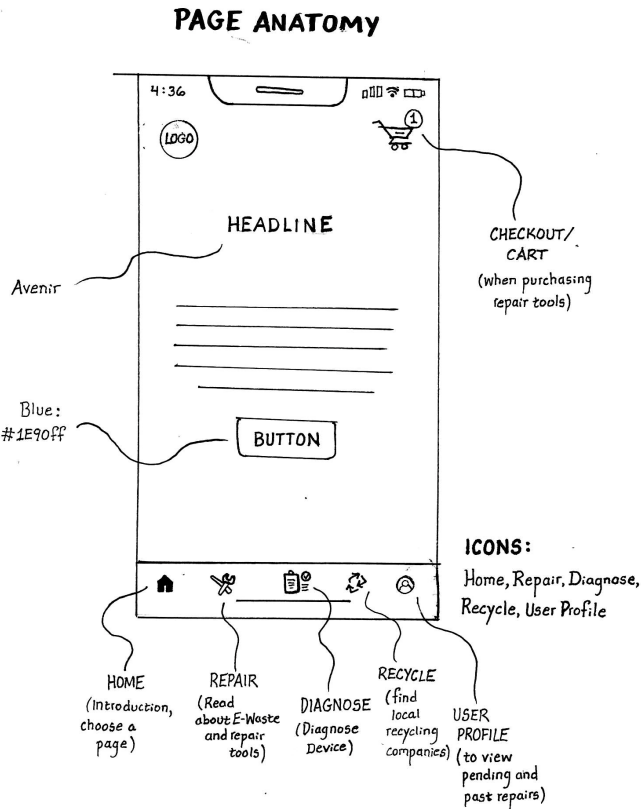
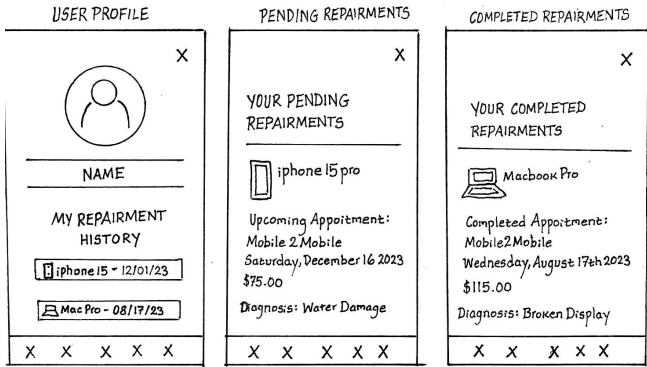
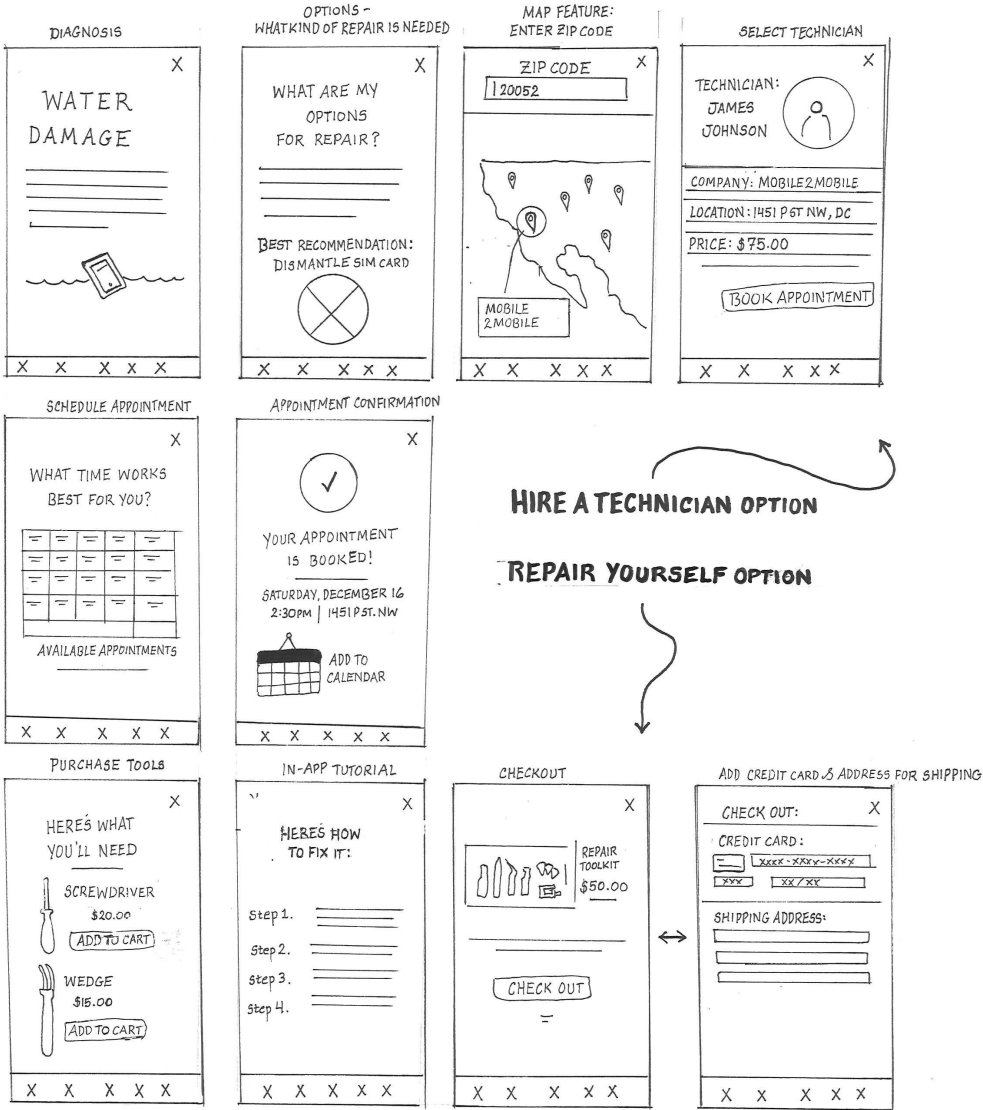
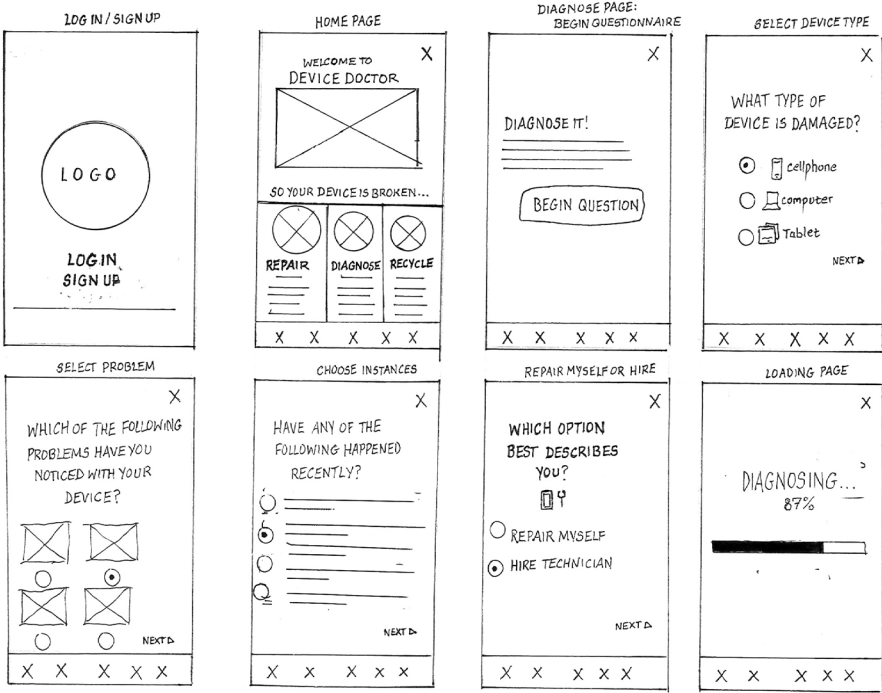
Isabel Humphrey CGD3090

Device Doctor App

The Device Doctor app is able to complete/perform a diagnosis of an electronic device. This app provides convenience to users as they don't have to go out of their way to visit a technician just to have it diagnosed, and provides clarity instead of googling to try to figure out what's wrong in their unique situation. This prototype walks through the experience of a user whose cellphone has water damage.

- **PAGES:** Repair, Diagnose, Recycle, Profile
- **FLOW OF CONTENT** (for Diagnose Page): Description & Begin Questionnaire button, chose type of device, choose problem, have any of the following happened recently, choose repair yourself or find technician, loading page, diagnosis result, find technician (enter zip code), schedule appointment, appointment confirmation page OR purchase tools & tutorial.

LOW-FIDELITY WIREFRAMES



Prototype

This Figma prototype will walk us through someone using the app with the diagnosis “water damage.”

