SPARQ

Cough Drop
6 de Junio del 2025

OVERVIEW

CouCoughDrop is an AAC platform that provides a communication app that enables nonverbal users (such as people with autism, cerebral palsy, ALS, etc.) to communicate using symbols, text, or computer-generated speech.

Key Features

- Available on iOS, Android, Chromebook devices, and web browsers.
- Compatible with various symbol systems (such as SymbolStix or PCS).
- Offers customizable communication dashboards.
- Allows tracking of user progress, making the work of therapists, parents, and teachers easier.
- Works both online and offline.

Who is for?

- People with speech or communication disabilities.
- Speech-language therapists.
- Parents and teachers who support people who use AAC.

¿Why is it called like that?

The name "CoughDrop" is a play on words. Just as a lozenge helps soothe the throat and facilitate speech, this platform helps "relieve" or "facilitate" communication for those who cannot speak in a conventional way.

Project Delimitation and Scope

Develop a proposal to improve the site's usability by visually enhancing the application's UI, taking into account different user profiles.

Constraints:

The application is currently developed in EmberJS and uses Bootstrap V3 as its UI framework. Delivery time: 3 weeks.

Deliverables:

1. UX Audit*
2. Technical Research**
3. Wireframes
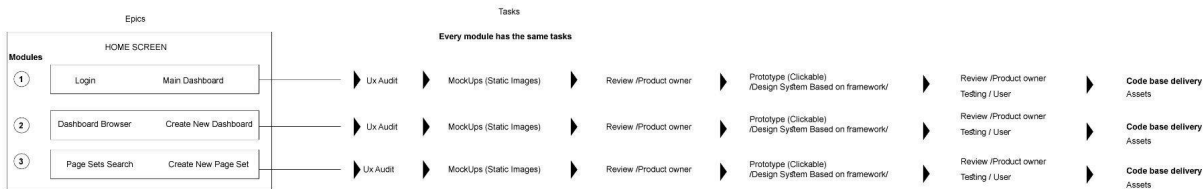4. Mockups

Documentación:

Technical Research**

Supporting my research work with AI, I compared frameworks to suggest a more current Bootstrap migration that would improve its UI.
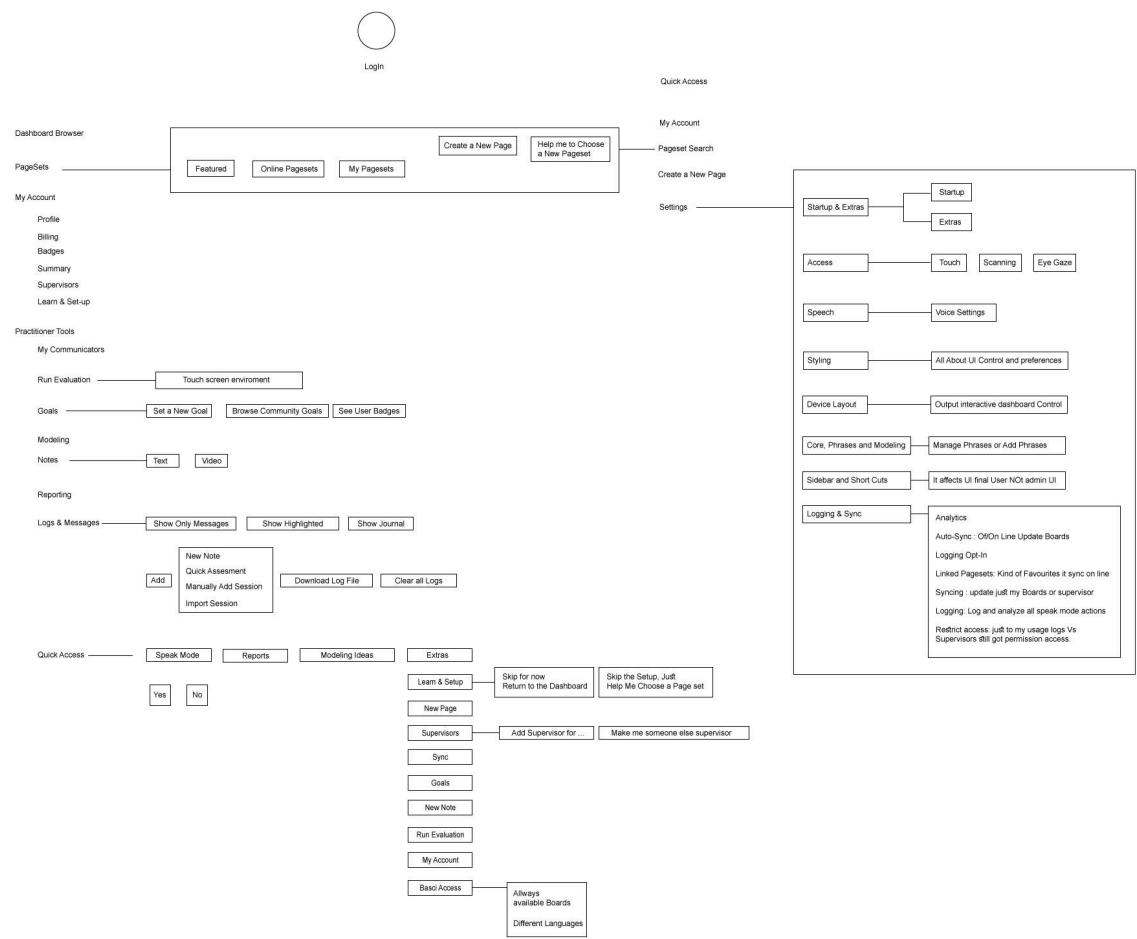
UX Audit*

This document analyzes the site's current usability deficiencies and suggests the best path to making the necessary changes without affecting the current stages of development.
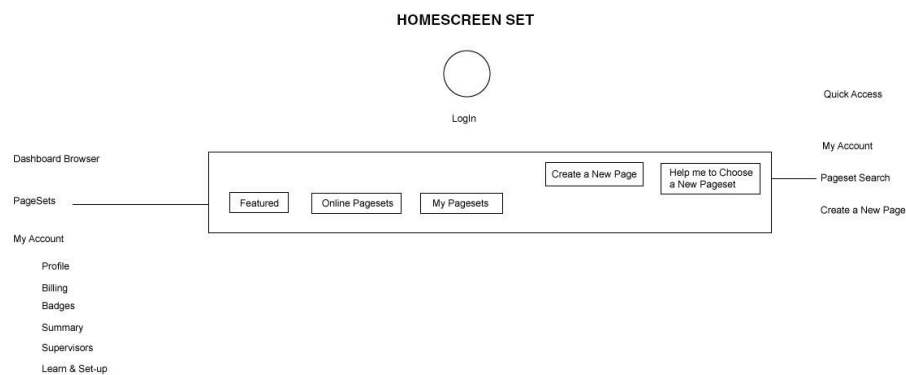
Timeline

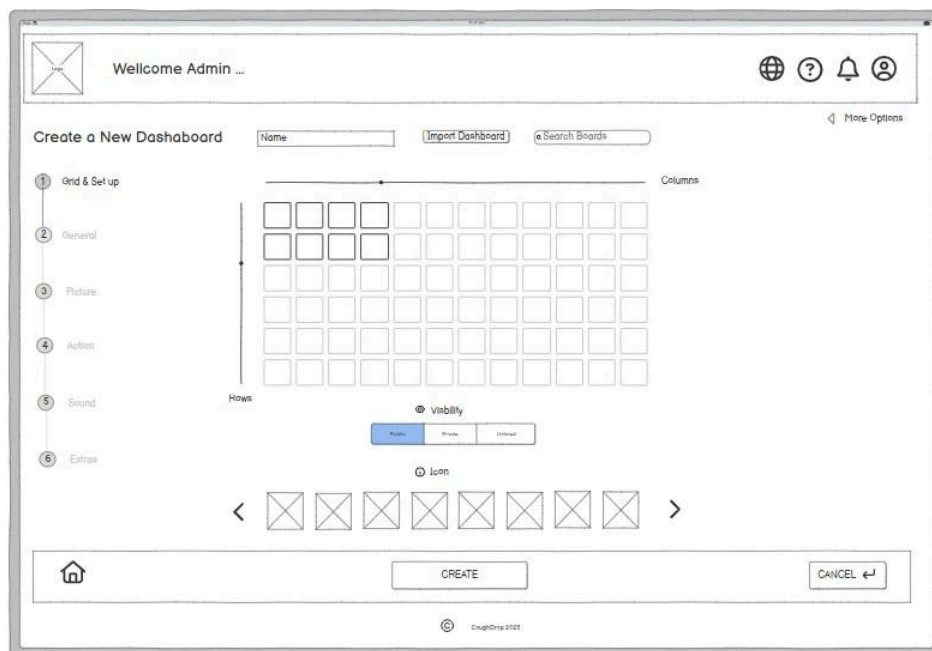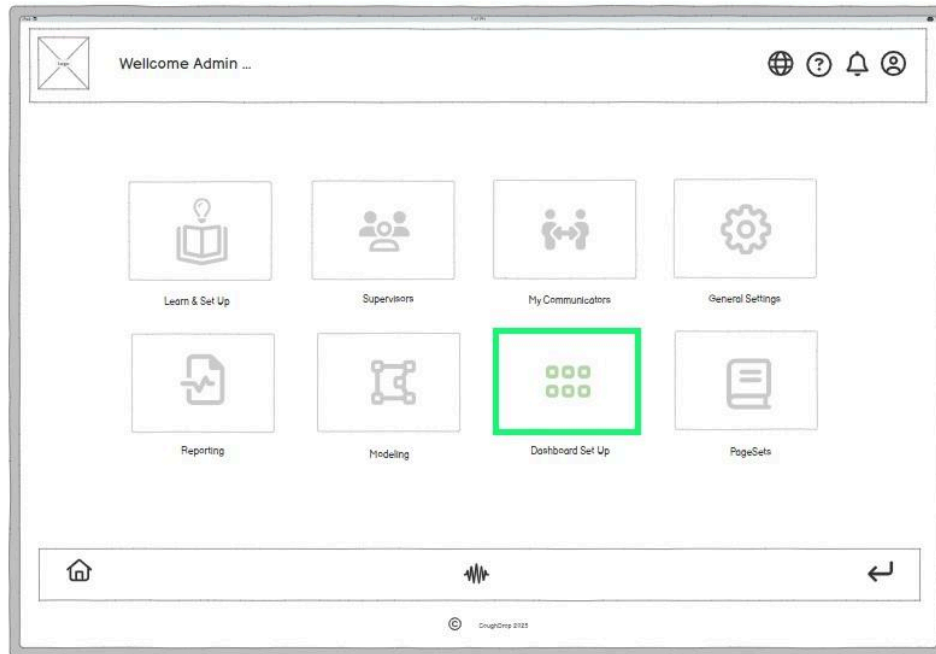# Definition of workflows and process navigation maps.

General Navigation Tree

LogIn

Dashboard Browser

PageSets

| Featured | Online Pagesets | My Pagesets |

Create a New Page

Help me to Choose a New Pageset

My Account
Profile
Billing
Badges
Summary
Supervisors
Learn & Set-up

Practitioner Tools
My Communicators

Run Evaluation — Touch screen enviroment

Goals — | Set a New Goal | Browse Community Goals | See User Badges |

Modeling
Notes — | Text | Video |

Reporting

Logs & Messages — | Show Only Messages | Show Highlighted | Show Journal |

Add —
New Note
Quick Assesment
Manually Add Session
Import Session

| Download Log File | Clear all Logs |

Quick Access — | Speak Mode | Reports | Modeling Ideas | Extras |

| Yes | No |

Quick Access

My Account

Pageset Search

Create a New Page

Settings

| Startup & Extras | | Startup |
| | | Extras |

| Access | | Touch | Scanning | Eye Gaze |

| Speech | | Voice Settings |

| Styling | | All About UI Control and preferences |

| Device Layout | | Output interactive dashboard Control |

| Core, Phrases and Modeling | | Manage Phrases or Add Phrases |

| Sidebar and Short Cuts | | It affects UI final User NOt admin UI |

| Logging & Sync |

Analytics

Auto-Sync : Of/On Line Update Boards

Logging Opt-In

Linked Pagesets: Kind of Favourites it sync on line

Syncing : update just my Boards or supervisor

Logging: Log and analyze all speak mode actions

Restrict access: just to my usage logs Vs Supervisors still got permission access.

Skip for now
Return to the Dashboard

Skip the Setup, Just
Help Me Choose a Page set

Learn & Setup

New Page

Supervisors — | Add Supervisor for ... | Make me someone else supervisor |

Sync

Goals

New Note

Run Evaluation

My Account

Basci Access —
Allways available Boards

Different Languages

Target map for improvement, stage 1

HOMESCREEN SET

LogIn

Dashboard Browser

PageSets

| Featured | Online Pagesets | My Pagesets |

Create a New Page

Help me to Choose a New Pageset

My Account
Profile
Billing
Badges
Summary
Supervisors
Learn & Set-up

Quick Access

My Account

Pageset Search

Create a New Page

Wireframes

Below I show the wireframing stage attacking only one profile (administrator) and a process to define the following stages building a design system based on the framework most compatible with the back end.

Wellcome Admin ...

Create a New Dashaboard

Name   Import Dashboard   Search Boards

1. Grid & Set up
2. General
3. Picture
4. Action
5. Sound
6. Extras

Columns

Rows

Visibility

Icon

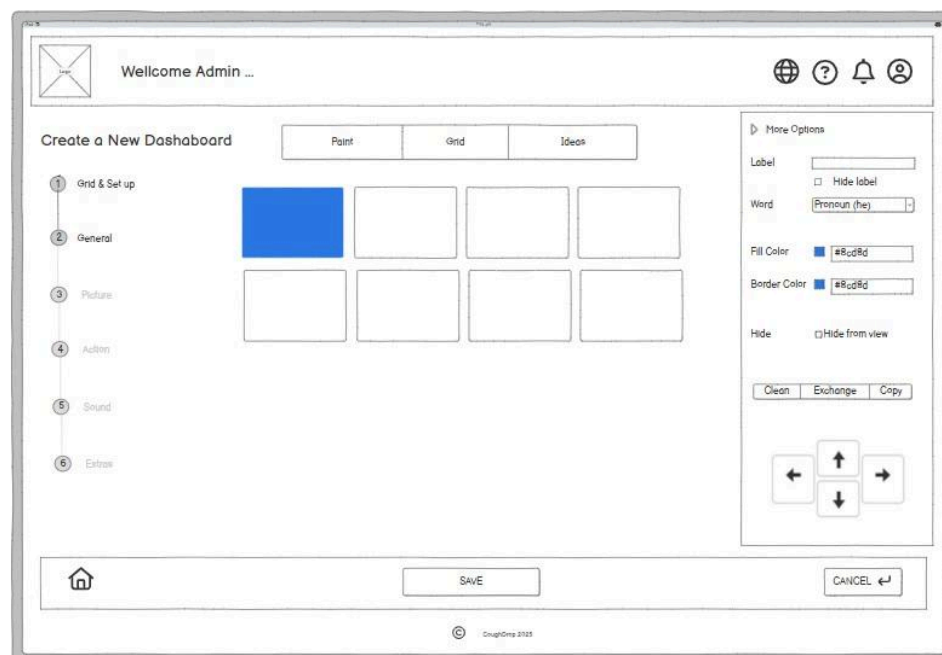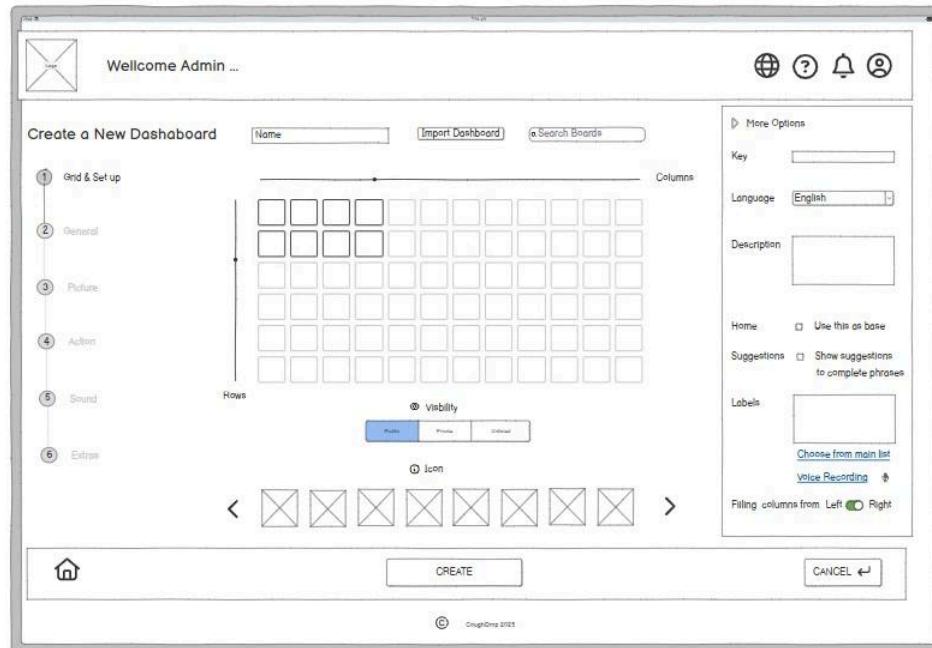More Options

Key

Language   English

Description

Home   Use this as base

Suggestions   Show suggestions to complete phrases

Labels

Choose from main list

Voice Recording

Filling columns from   Left   Right

CREATE   CANCEL

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Wellcome Admin ...

Create a New Dashaboard

Paint   Grid   Ideas

1. Grid & Set up
2. General
3. Picture
4. Action
5. Sound
6. Extras

More Options

Label
    Hide label
Word   Pronoun (he)

Fill Color   #8cd8d
Border Color   #8cd8d

Hide   Hide from view

Clean   Exchange   Copy

SAVE   CANCEL

CroughOmp 2025

Mock Up Home Screen

Homescreen definition based on the corporate color palette, now considering mobile-focused navigation for iOS and Android tablets. Administrator profile.

Important:

This document only presents the stages of the project; it is not a final version. Variations may occur during its development, or even those not yet implemented due to development priorities. For more information, visit:

https://www.coughdrop.com/ & https://www.mycoughdrop.com/