

SELECTED WORK

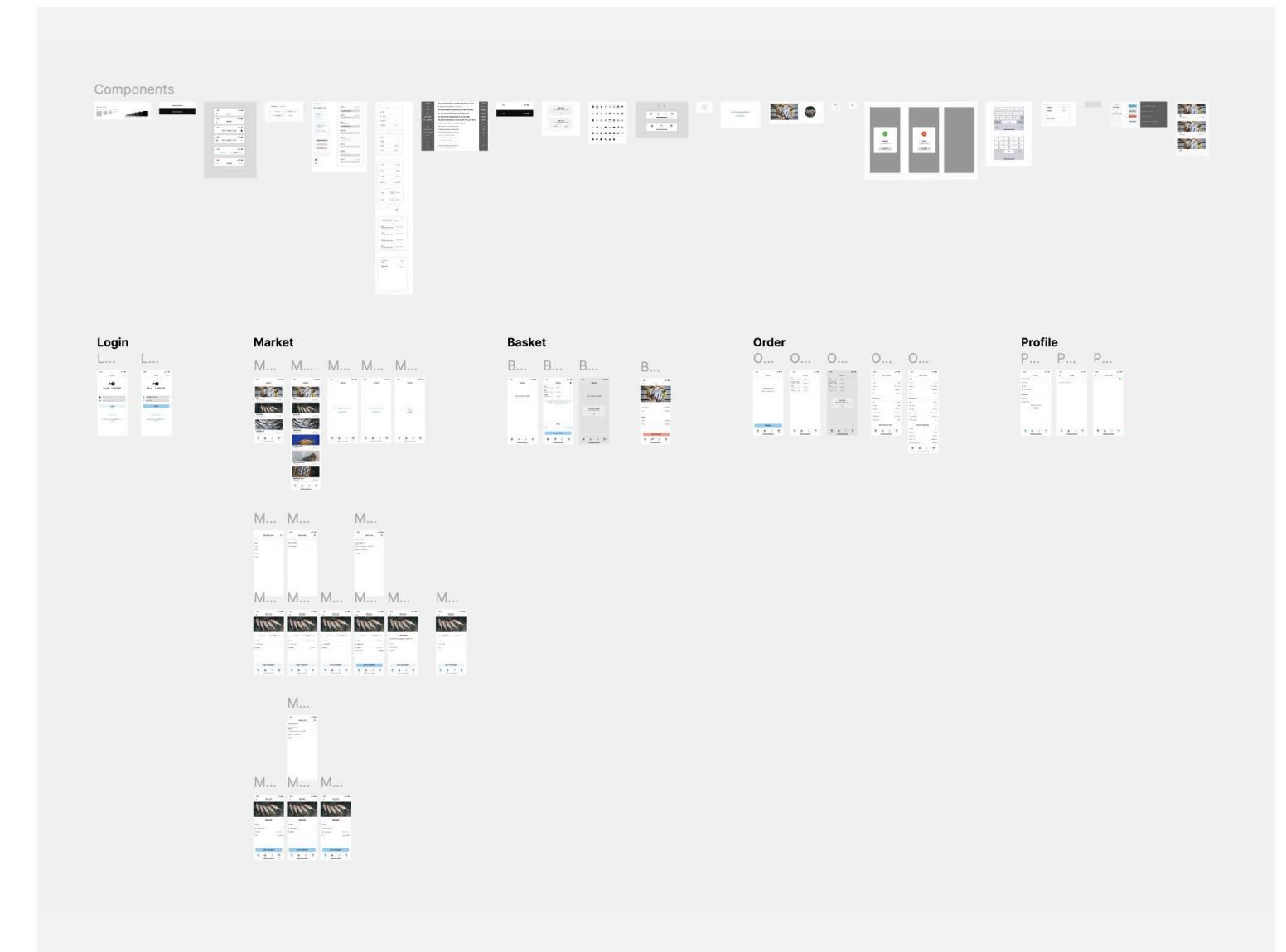
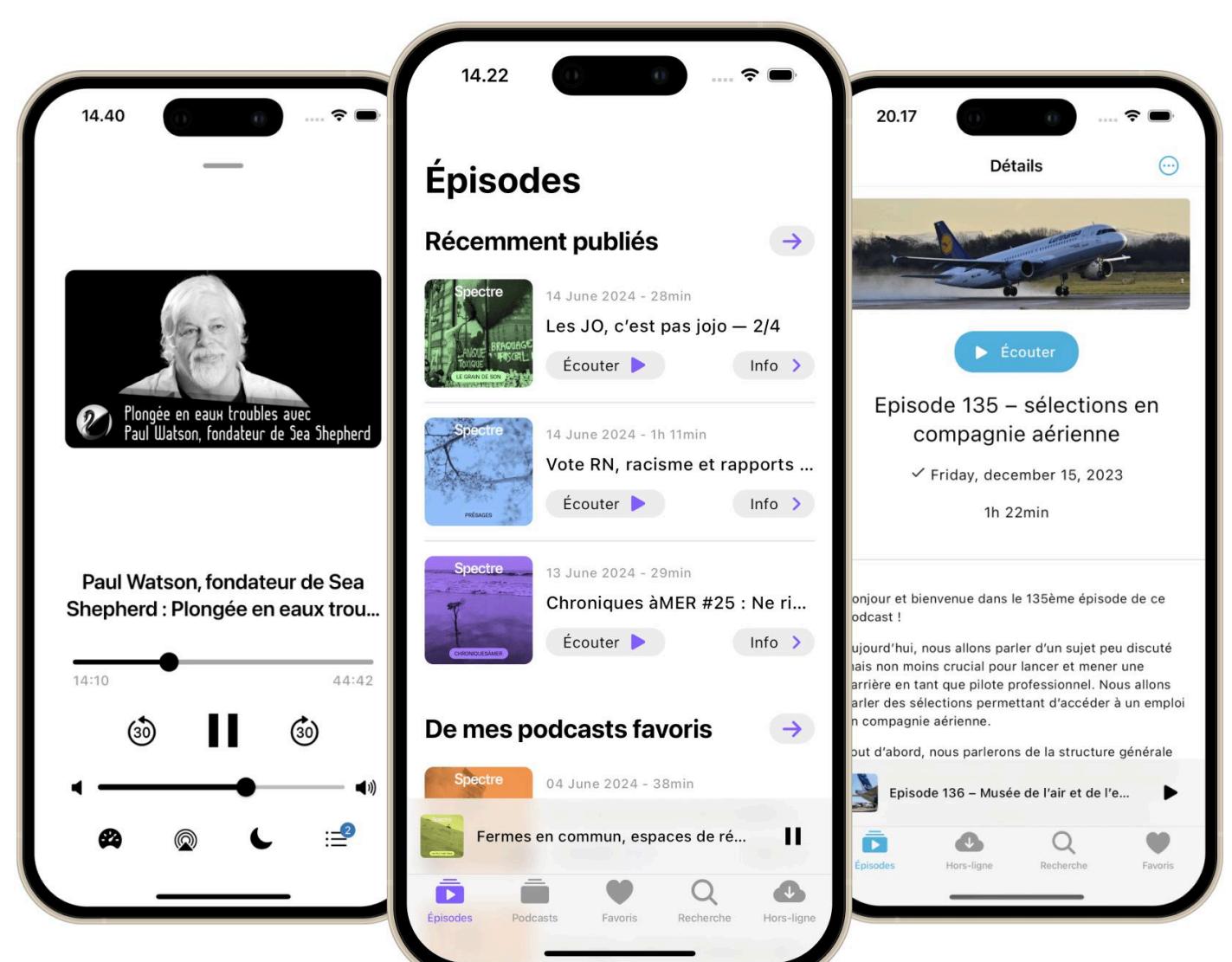
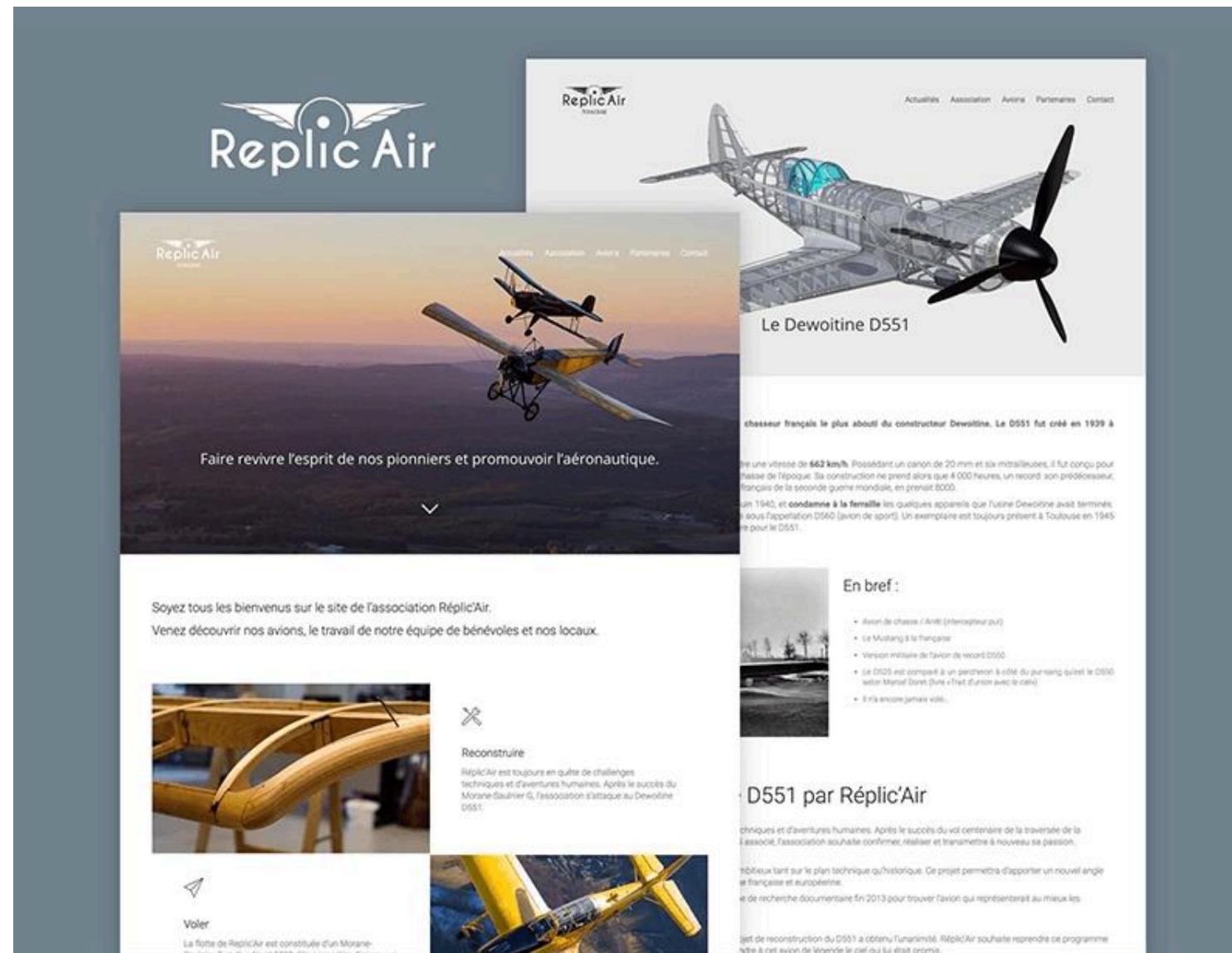
Pierre Bresson

Senior Engineer & Designer



Senior Engineer & Designer

8 years of experience building beautiful apps and websites



WEBSITES

Wordpress, React, Next.js & 11ty

APPS

React Native, Flutter & native iOS

UX / UI DESIGN

Figma & Sketch

Work

HEADPHONES, MICROPHONES, WIRELESS SYSTEMS

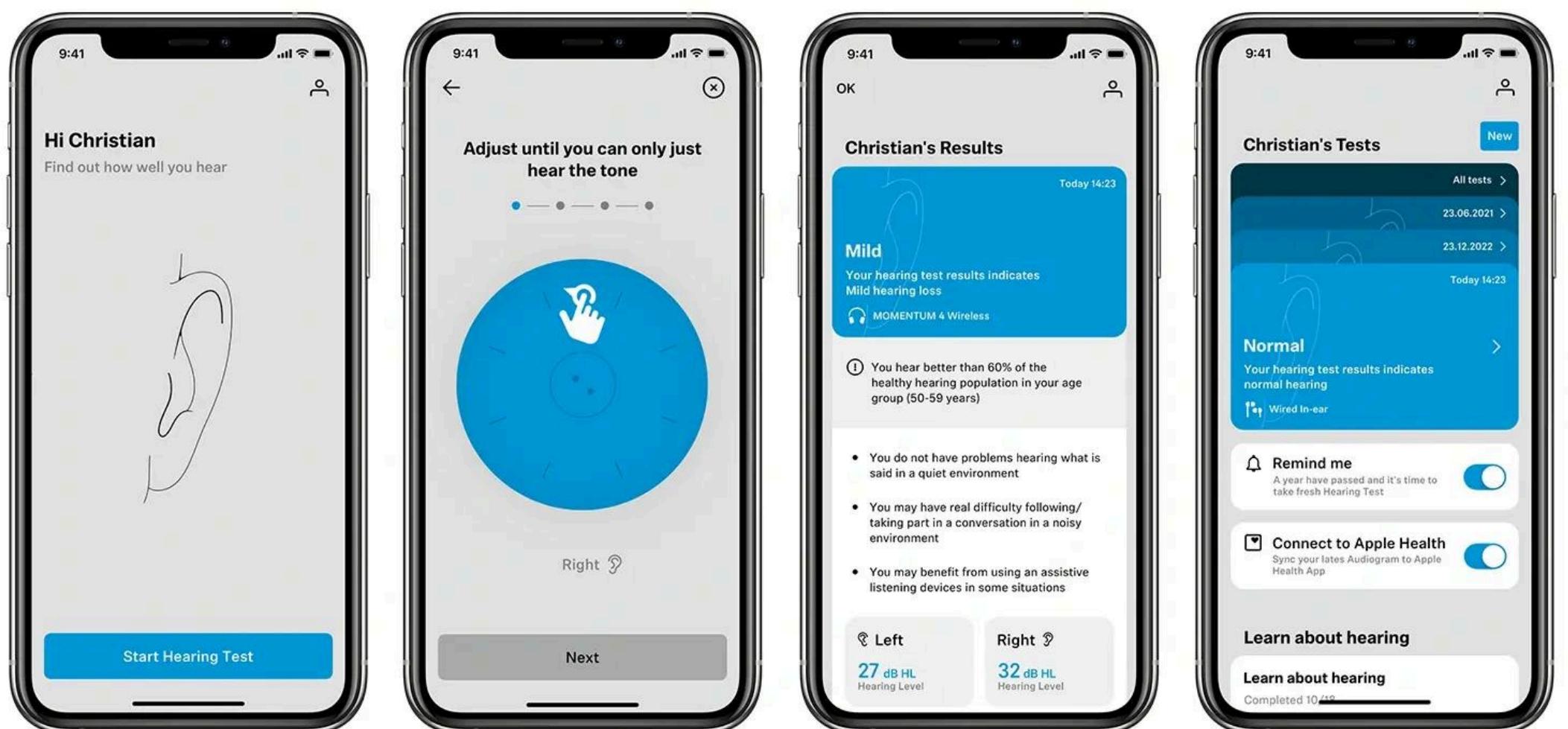
Sennheiser

For over 75 years, Sennheiser products come with a built-in mission: to stay true to the sound and soul the music was given by its artist.



Mobile UI developer

Within the Sennheiser Digital Lab, I conducted user research, created prototypes, designed and developed new features, as well as building and maintaining Sennheiser apps.



HEARING TEST APP

After conducting user research with the team, I designed low-fidelity prototypes and submitted several versions to the Sennheiser Explorer community for final validation. I also took part in the app's development using Flutter.

Download for [iOS](#) & [Android](#).

Lead developer of Sennheiser
Design System of the new Smart
Control Plus app written in Flutter

DESIGN

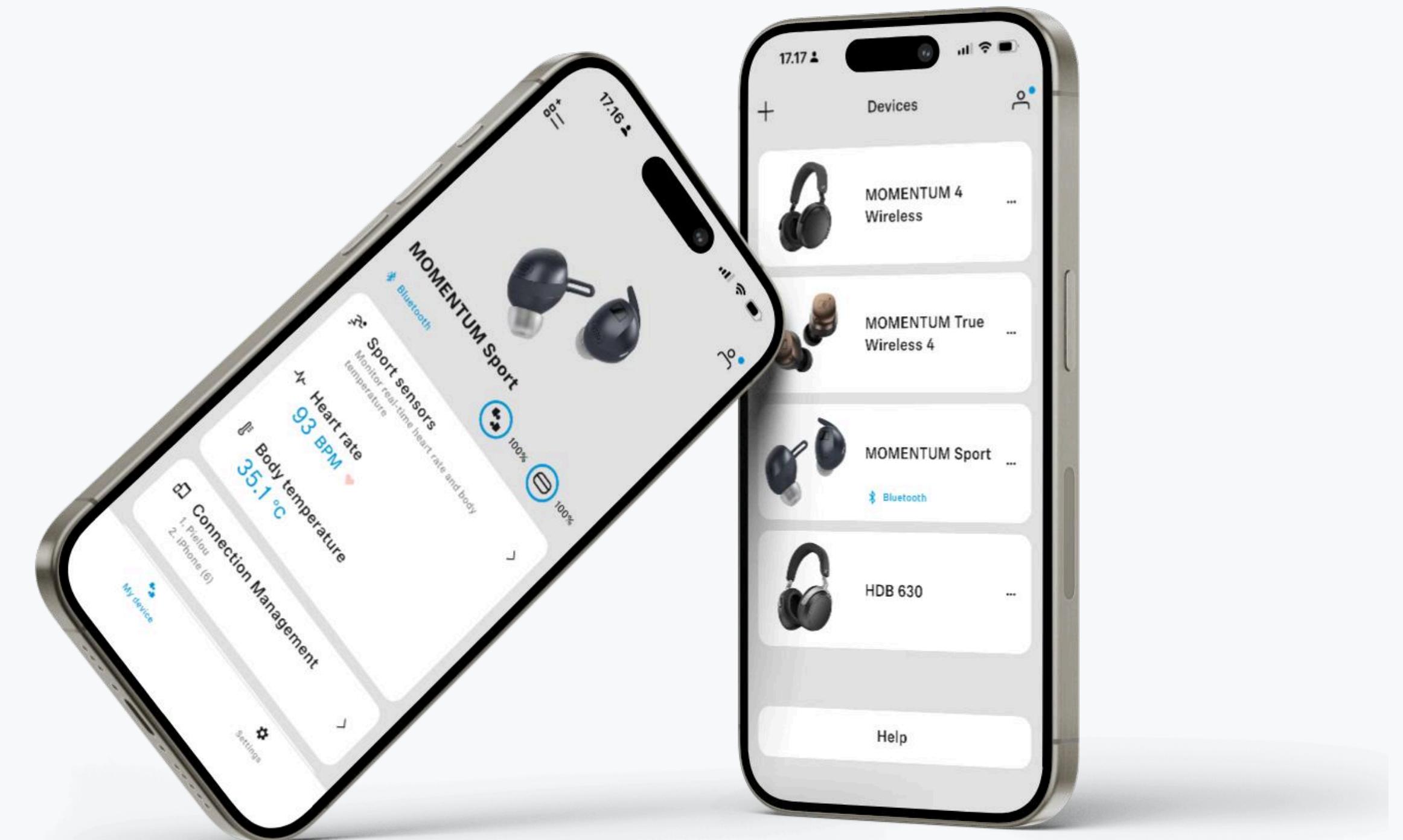
Played a key role in migrating the design system
from Sketch to Figma

CODE

Recreated every component without using Flutter
Material library

PROCESS

Golden Toolkit package was used for visual
regression testing and all the components were
delivered in a separate package that was hooked
to a Widgetbook for developers and designers to
test.



Parametric Equalizer

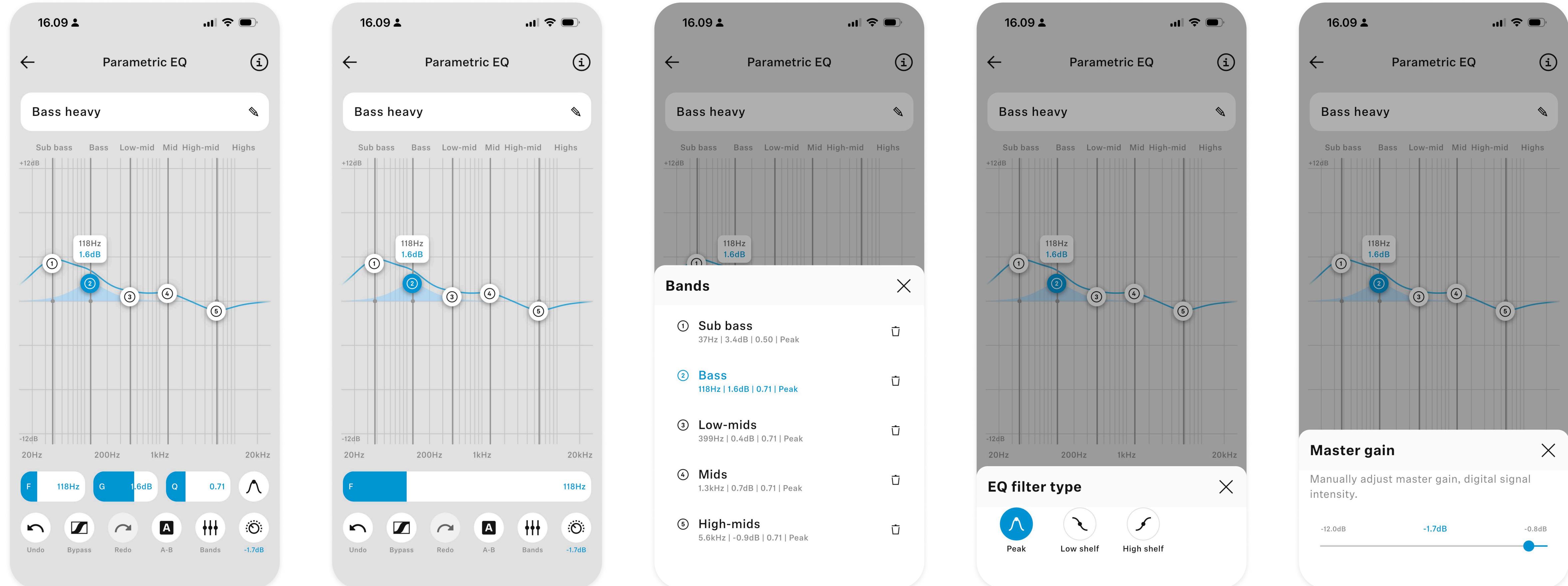
Prior to the release of the HDB 630 headphones, I was tasked with developing a powerful five-band parametric equalizer for them in the Smart Control Plus app.

It offered audiophiles granular control over frequency, gain, bandwidth, and filter type for precise sound customization.

You can find a demo [here](#).



Here are the different features of the parametric equalizer that I developed.



IOS NATIVE - SWIFT - UIKIT

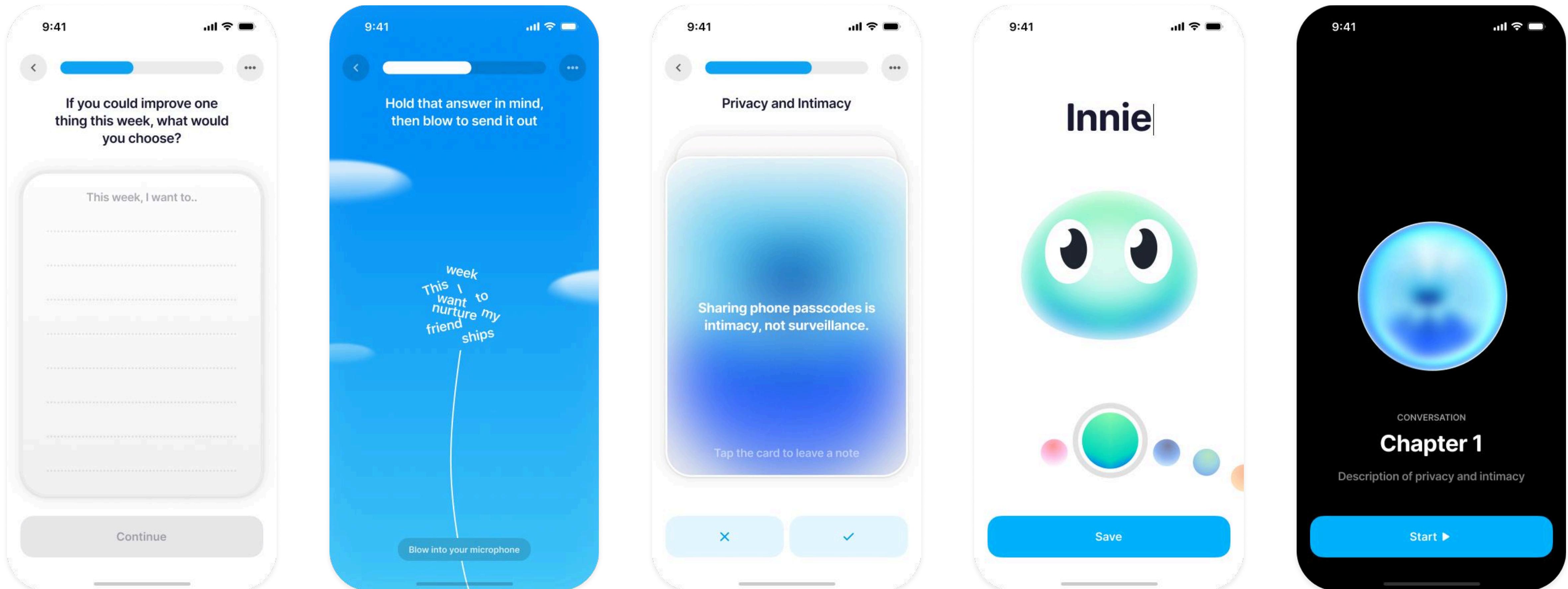
1990 Studio

1990 Studio makes mobile apps for US based startups working with AI.

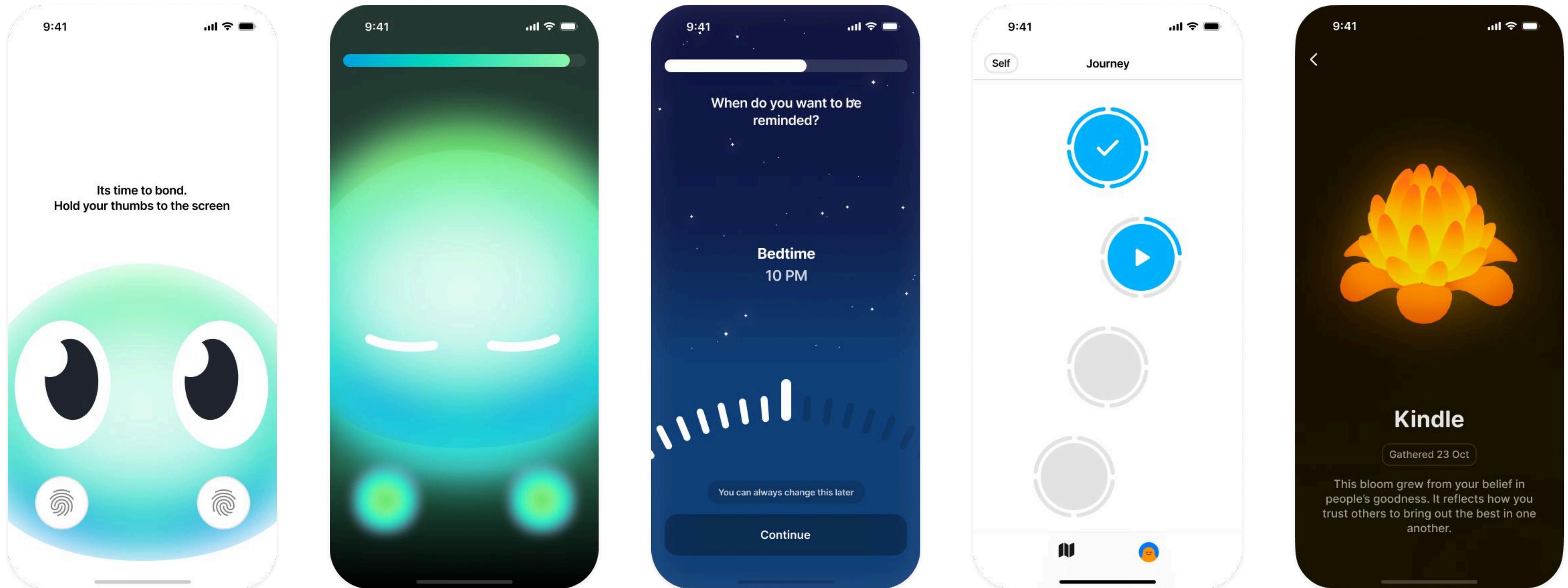
I worked on Innie, a self-discovery and personal growth app.



I worked on the first version of the Innie app using UIKit and Swift, creating a delightful onboarding experience.



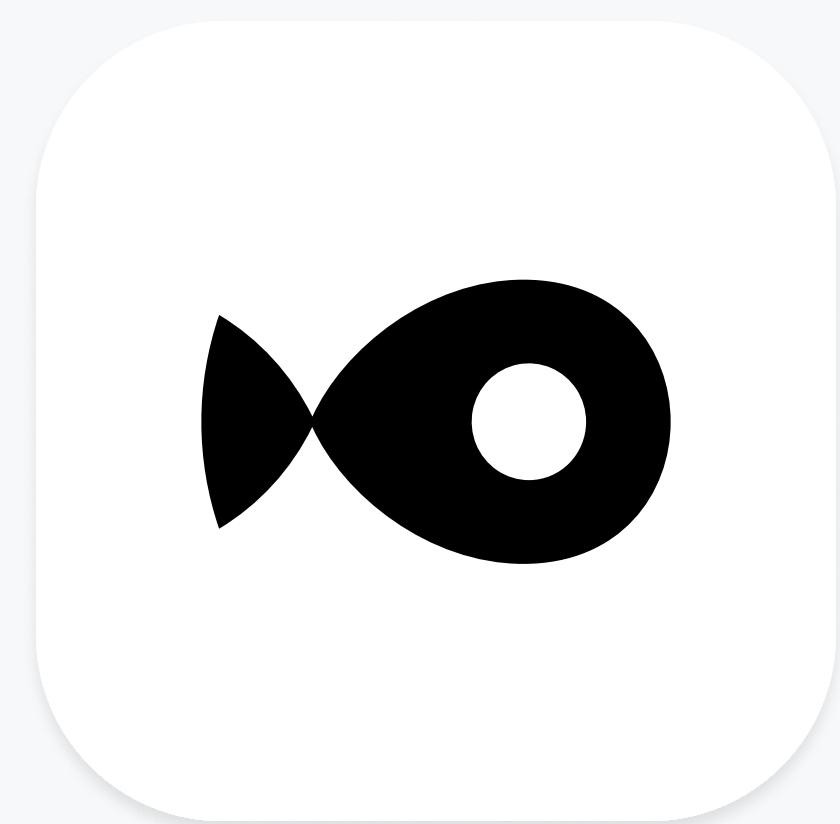
The user was guided through the different onboarding steps thanks to several 2D & 3D animations.



STARTUP

Blue Lobster

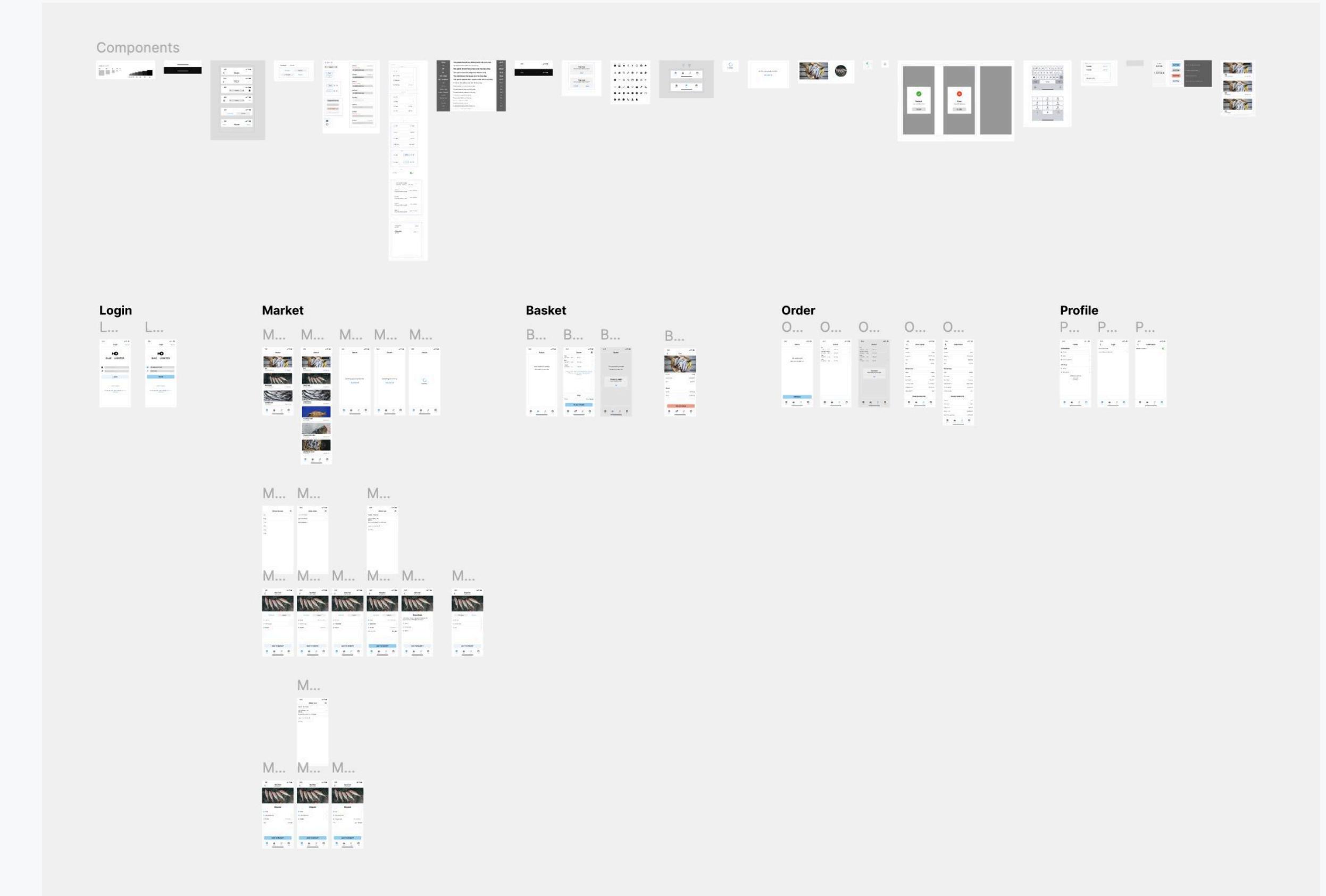
Marketplace to buy fresh, locally caught fish.



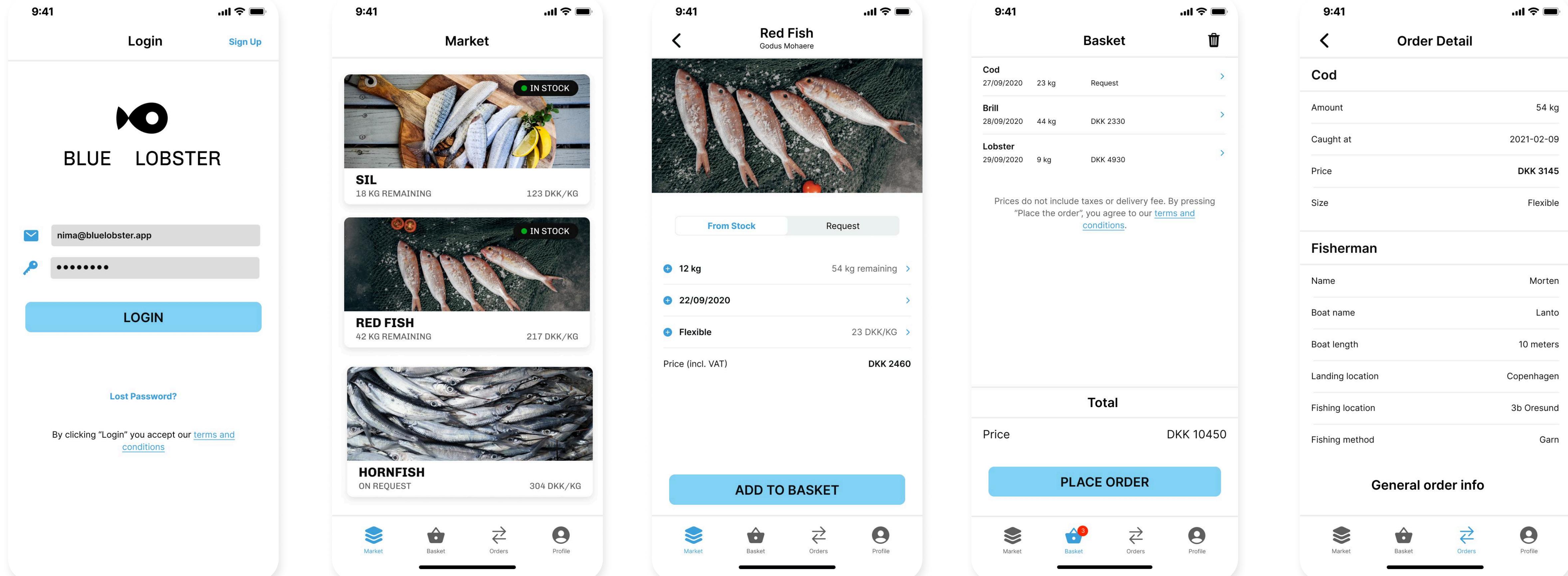
Role

I designed the mobile app from scratch on my own in Figma and implemented it pixel-perfect in React Native within six months.

I also implemented unit and snapshot tests using the Jest library and set up CI/CD pipelines with GitHub and Expo.



Here is an overview of the user flow.

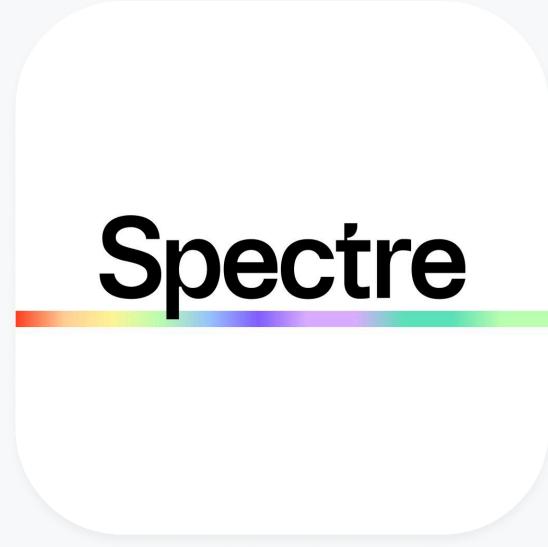


Hobby Projects

Projects that I have led, developed, and fully designed.

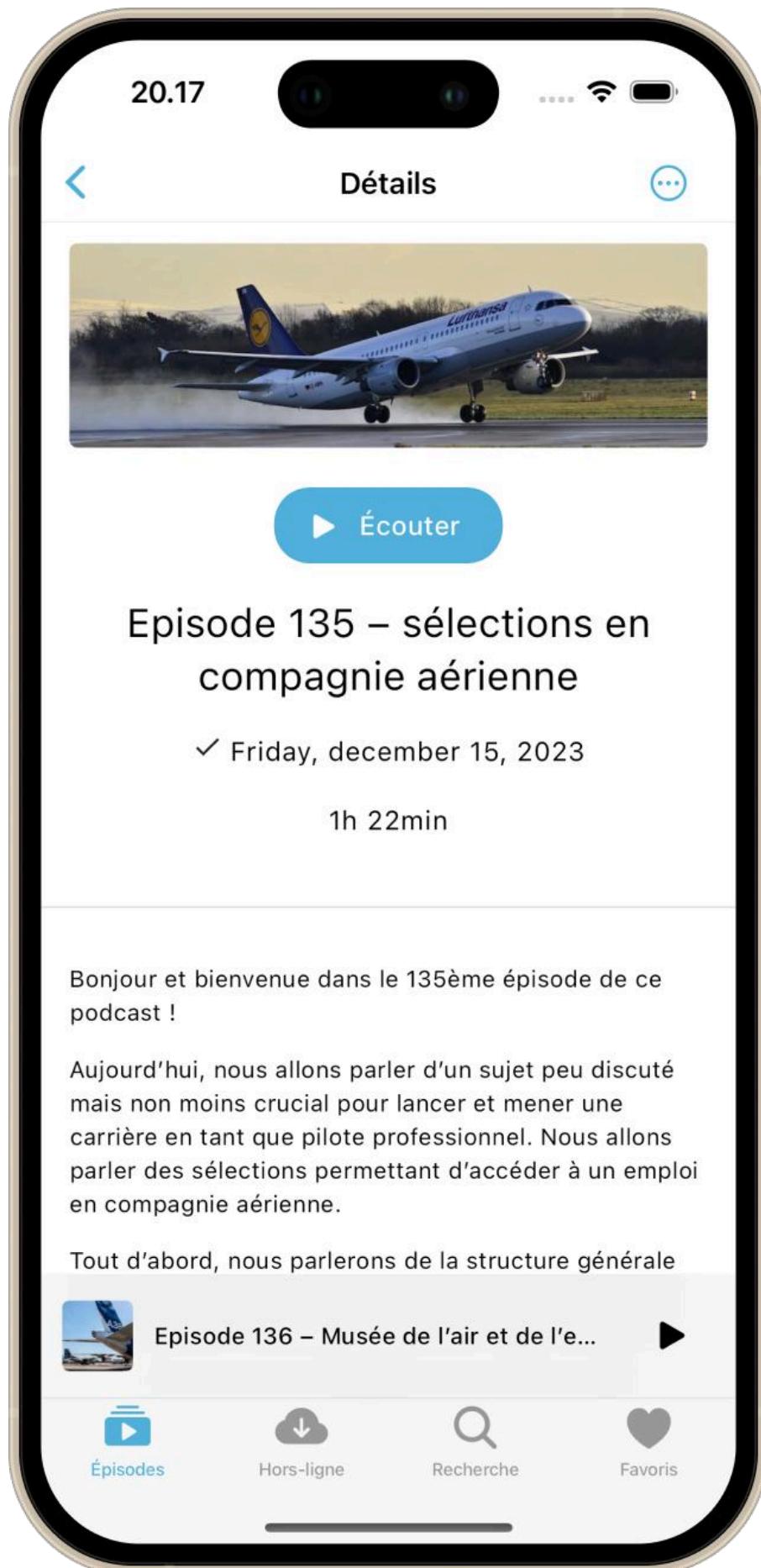
Podcast Apps

Cross-platform white label podcast app



iOS & Android

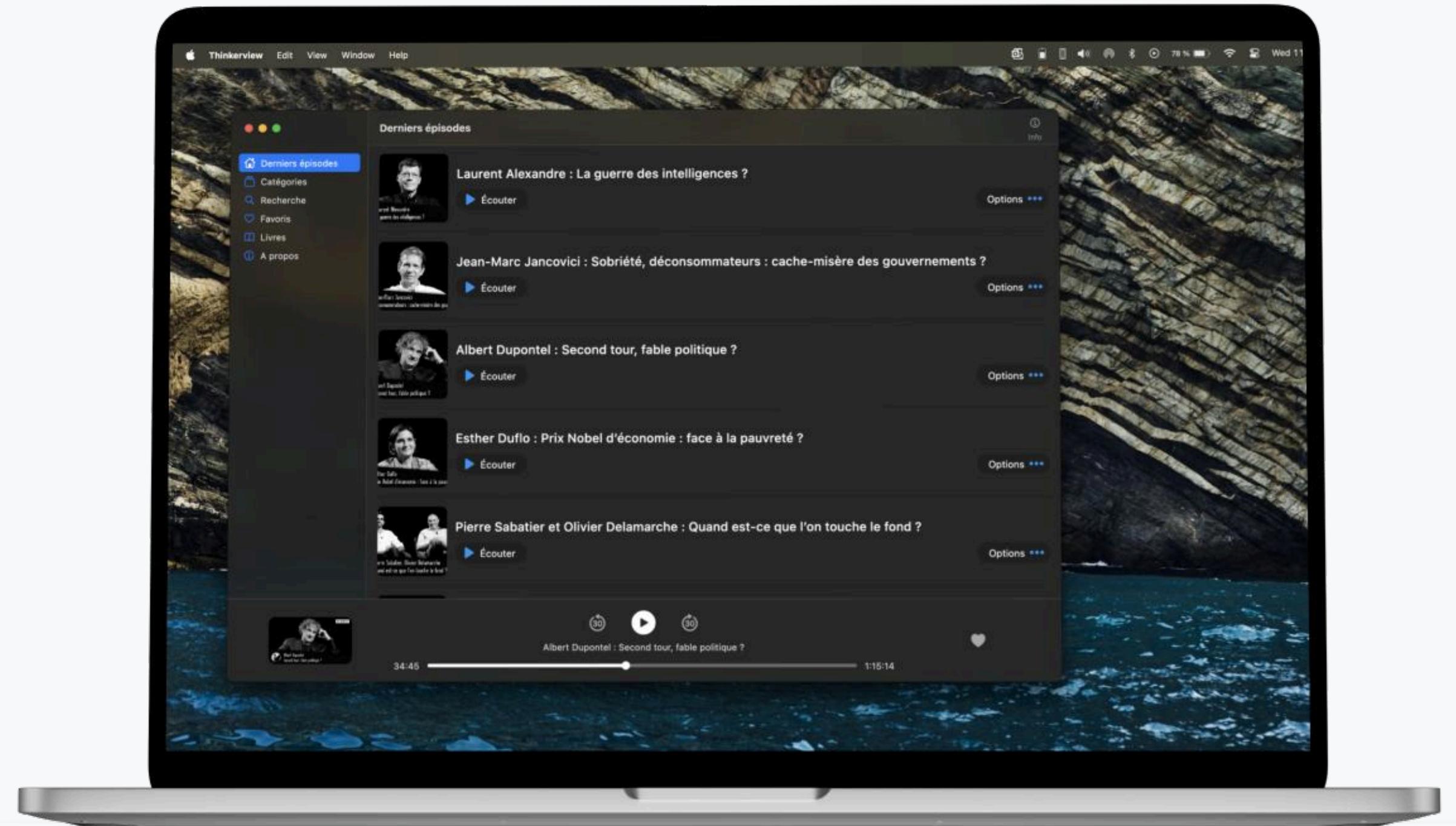
I designed and developed these four podcast apps using Flutter. Click [here](#) for more info.



MacOS

Here is a preview of the desktop version in dark mode.

All these apps rely on Wordpress API

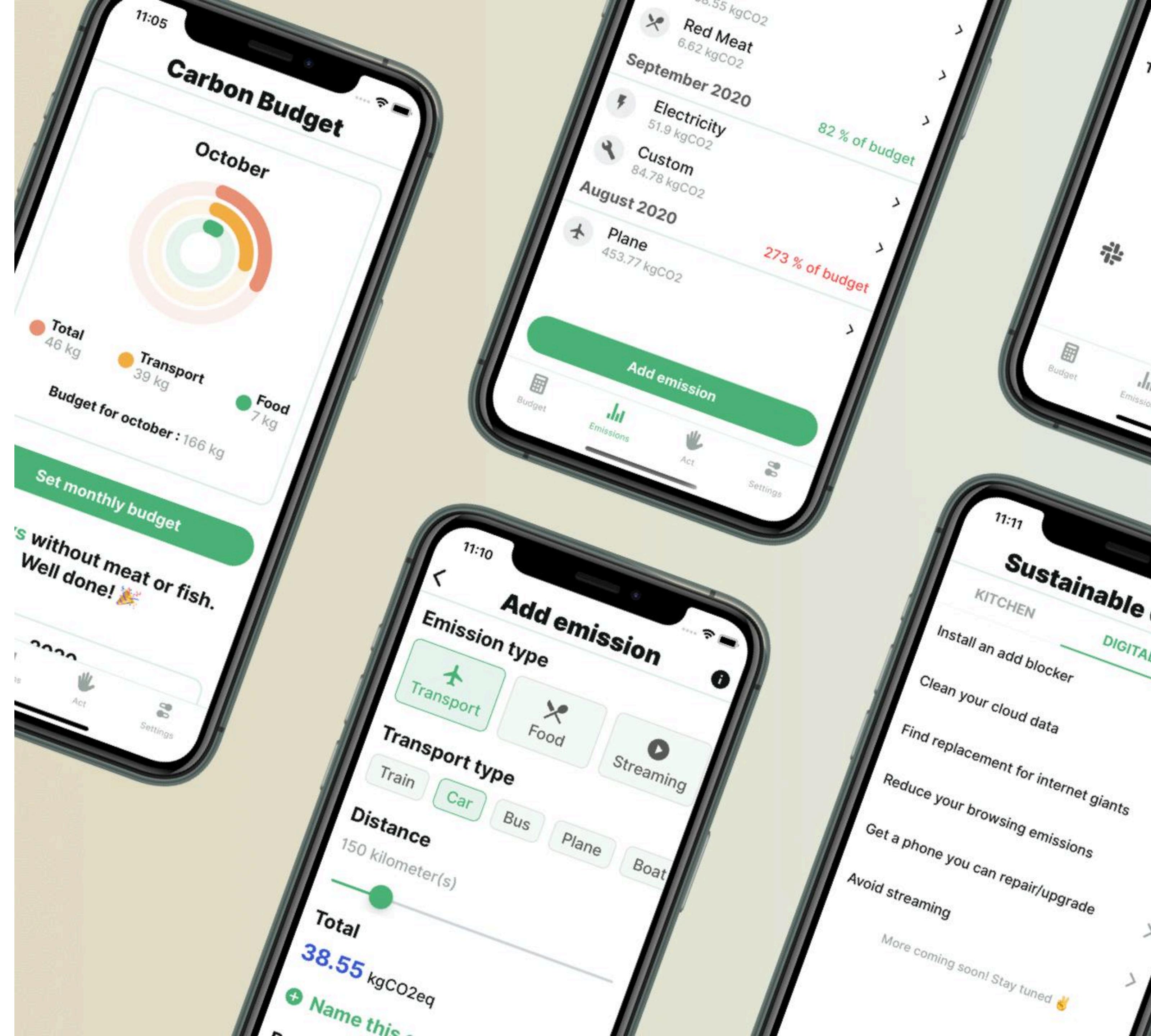


KICKSTARTER

NMF.earth

NMF.earth is a open-source carbon diary & sustainable guide in React Native for iOS and Android.

40+ contributors on [Github](#) (530+ ⭐)

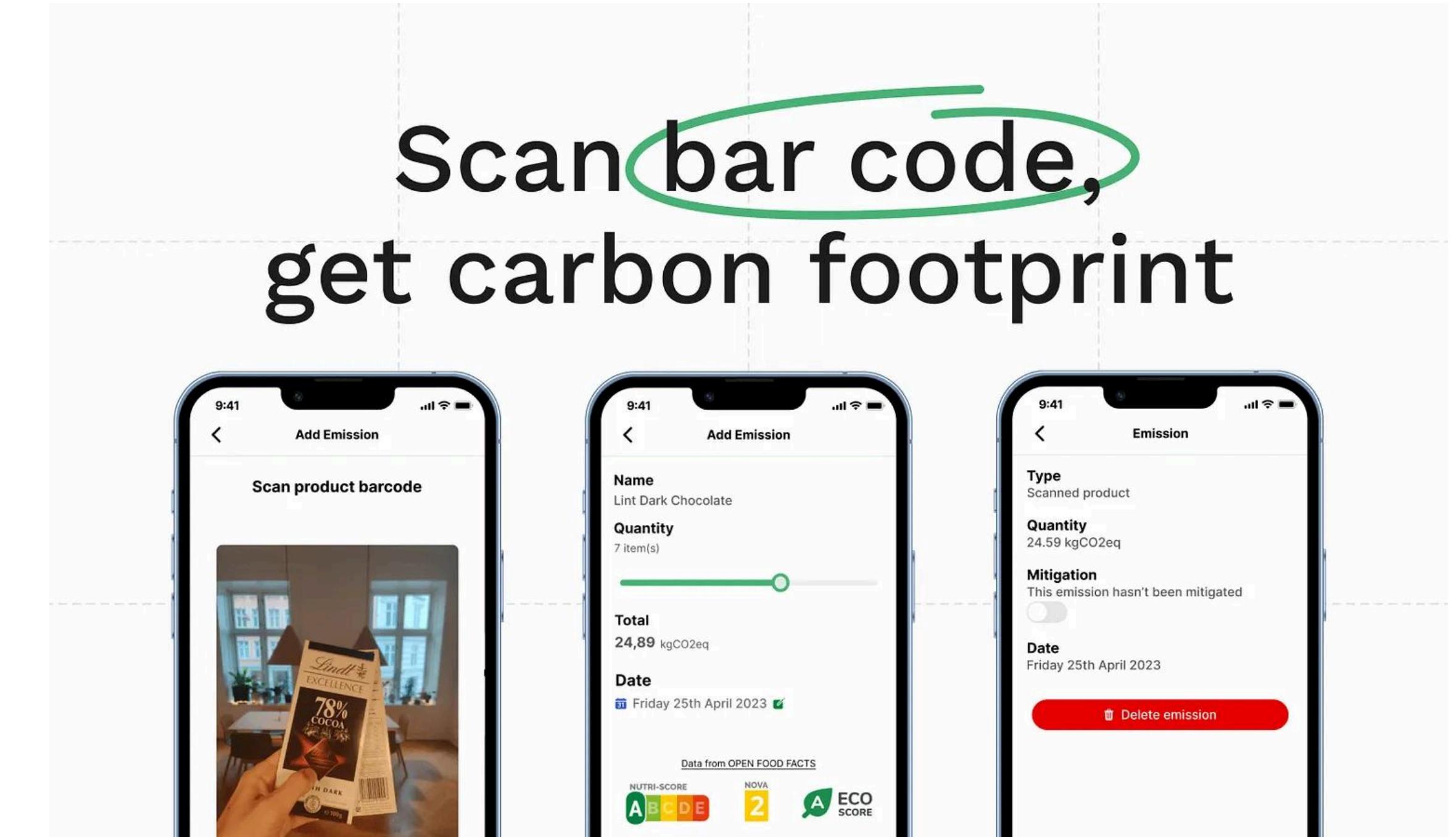


Concept



UNDERSTAND & REDUCE YOUR CARBON FOOTPRINT

Transport, food, electricity, streaming, clothing, cryptocurrency, purchases... any kind of carbon emission can be calculated in the app



POWER FEATURE

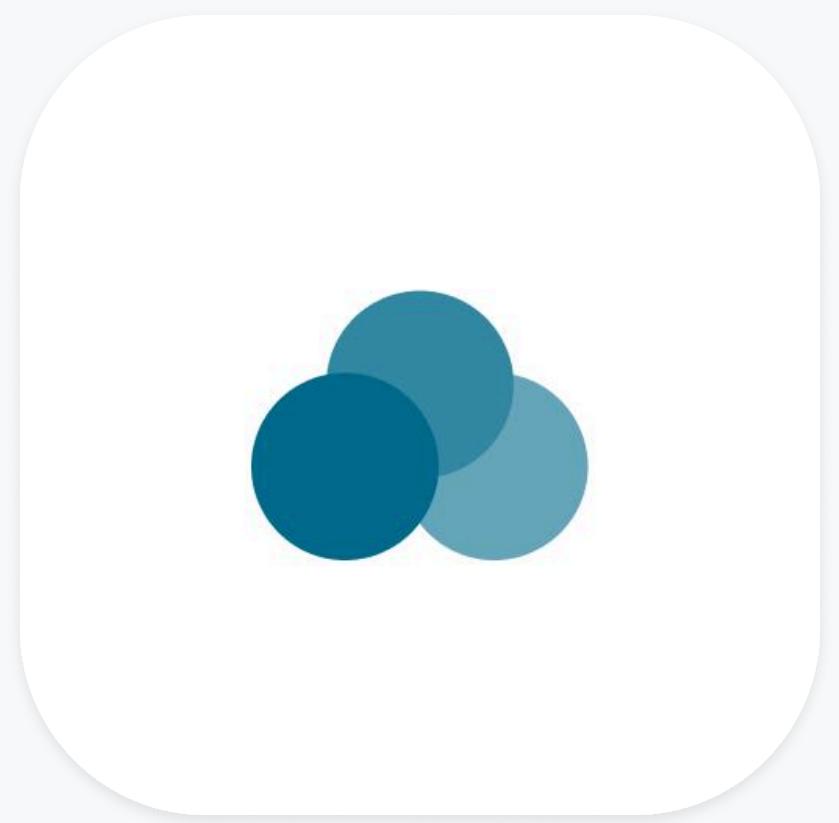
Scan barcodes on food products to get the environmental impact of what you eat thanks to Open Food Fact API

FLUTTER

Open Additives

Get information on the additives you ingest.

Free and open-source for iOS & Android



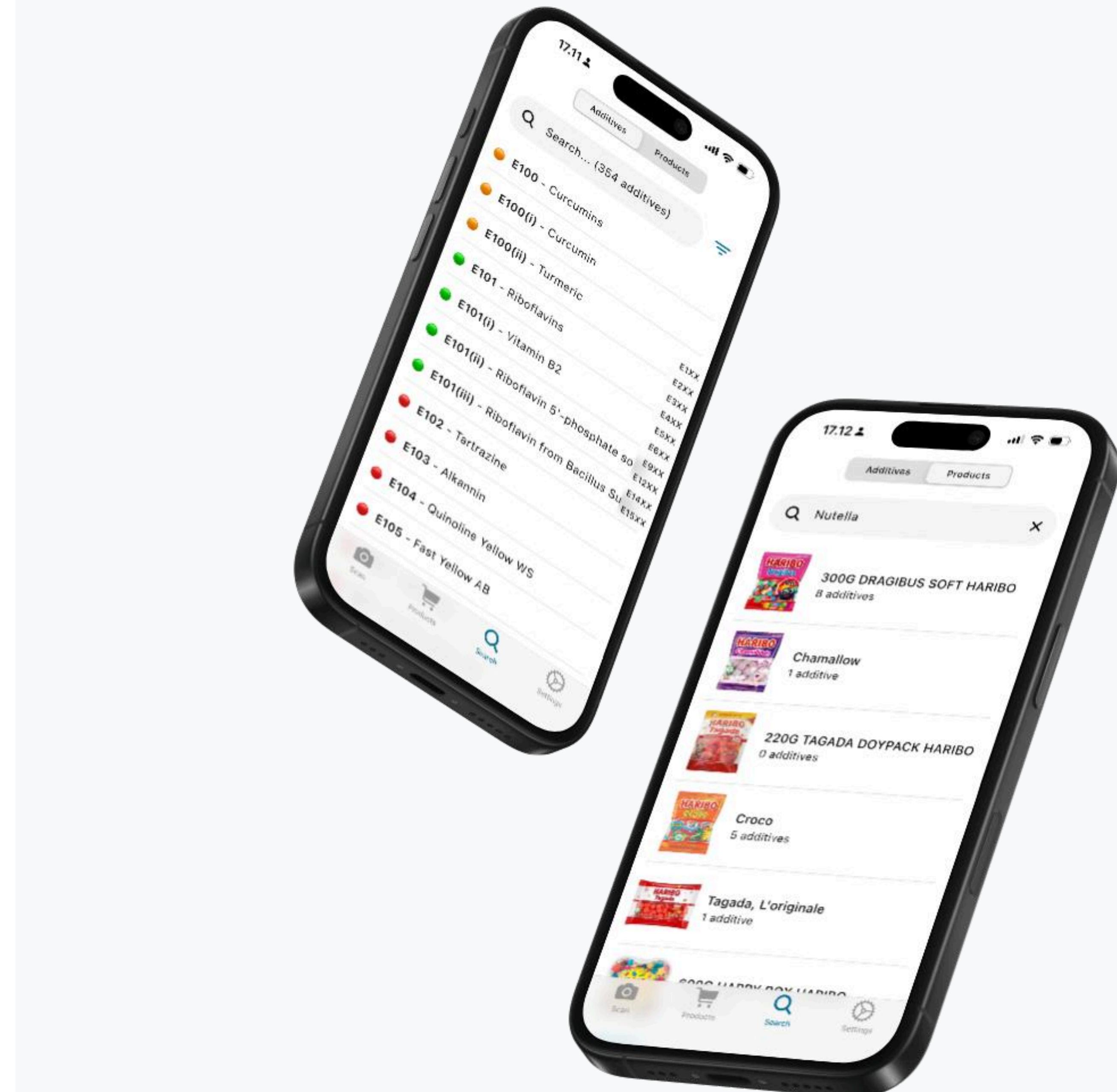
As a concerned parent, I've developed an app to help identify potentially harmful additives in supermarket ready-made foods.

The image displays three iPhone screens showing the flow of the app:

- Scan Screen:** Shows a yellow bag of biscuits being held over the camera. Below the camera viewfinder are instructions: "1. Aim at the ingredients list", "2. Make sure the text is readable", and "3. Press Scan". A large blue "Scan" button is at the bottom.
- Results Screen:** Displays the detected additives. At the top, it says "We have detected 8 additives". Below this are three small icons: a crab, a lightning bolt, and a syringe. A note states: "The additives have been extracted by machine learning (ML). Errors and omissions may occur, so remember to check". A list of additives follows:
 - E322 - Lecithins
 - E330 - Citric acid
 - E407 - Carrageenan
Cancer
 - E410 - Locust bean gum
 - E412 - Guar gum
 - E442 - Ammonium phosphatides
Child hyperactivity, Cardiovascular diseases
 - E471 - Mono-and diglycerides of fatty a...
- Detail Screen:** Shows information for E100. It includes:
 - Name:** Curcumin
 - Used as:** colorant
 - Designate the following additives:** e100(i), e100(ii)
 - Toxicity:** Depends on quantity
 - Acceptable Daily Intake:** 3.0 mg/kg bw/d
 - Origin:** Plant
 - Suitable for the following diets:**
 - Vegetarian
 - Vegan
 - Casher
 - Halal
 - Used in:**
 - Canned food
 - Soda
 - Sauces
 - Spices
 - Dairy products
 - Links:**
 - Scientific Opinion on the curcumin (E 100)
 - Wikipedia

Scan ingredient lists with ML to automatically detect and highlight all additives.

Alternatively, scan a barcode to retrieve additive information from the Open Food Facts database.



Thank You

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