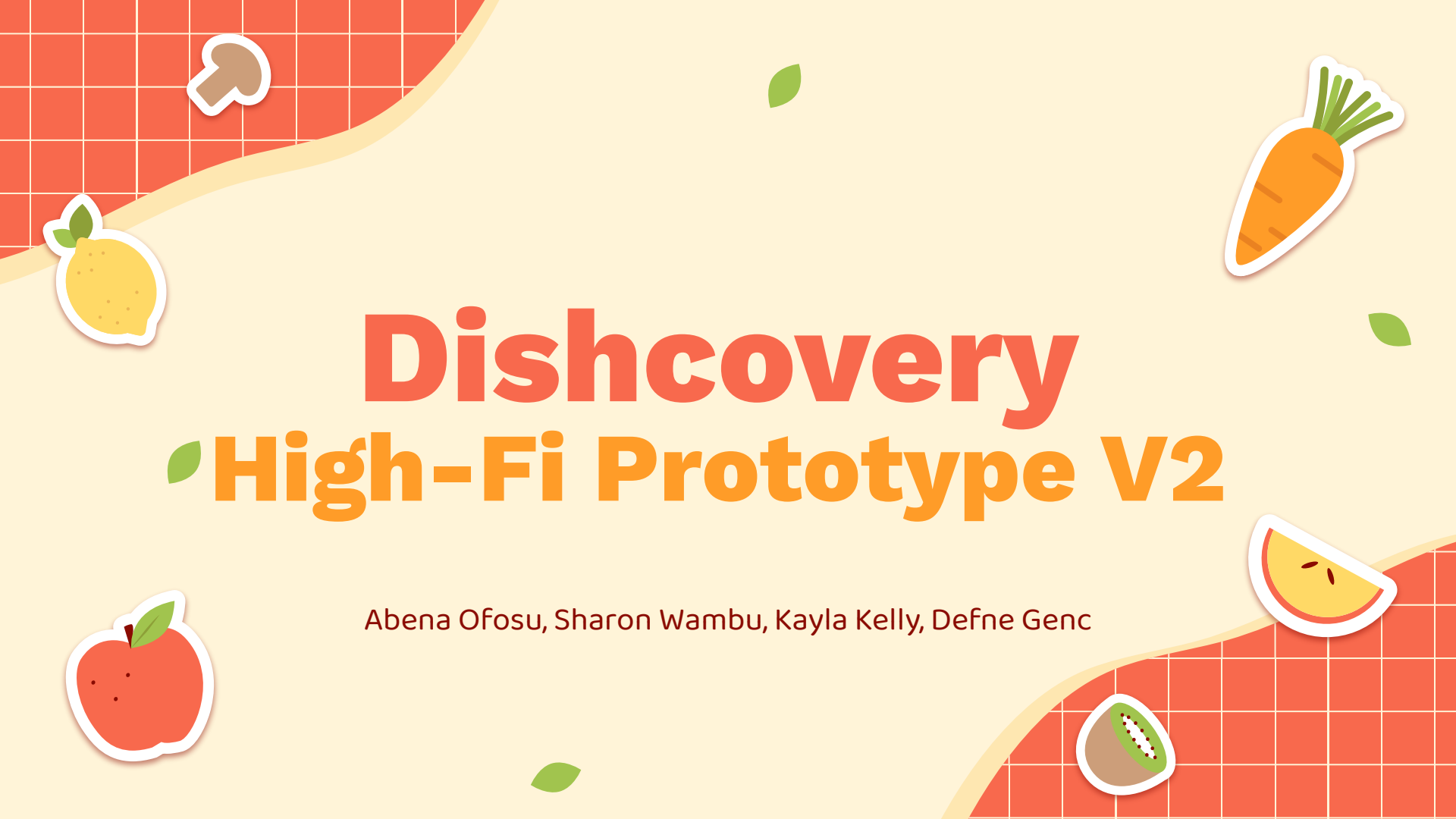


The background is a light cream color with a wavy yellow line separating the top and bottom sections. The top section has a red grid pattern. Various food icons are scattered around: a brown mushroom in the top left, a yellow lemon with a green leaf on the left, a whole red apple with a green leaf in the bottom left, a whole orange carrot with green leaves in the top right, a slice of orange in the bottom right, and a slice of kiwi with a green leaf in the bottom right. There are also several small green leaves floating in the background.

Dishcovery

High-Fi Prototype V2

Abena Ofosu, Sharon Wambu, Kayla Kelly, Defne Genc

Our Dishcoverers

Defne



Dish of choice:



Sharon



Dish of choice:



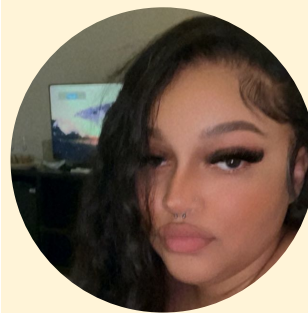
Abena



Dish of choice:



Kayla



Dish of choice:





Presentation Outline

01

A Recap

Improvements to our interface.

03

Task Flows

A quick walk through the execution of each task.

02

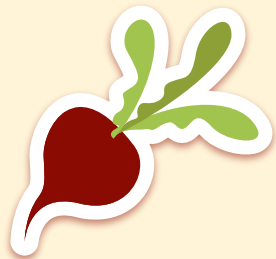
Interface Changes

Changes we've made based on takeaways from testing.

04

Future Trajectory

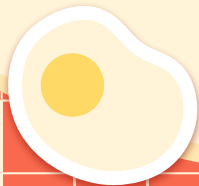
What we want to improve and implement.



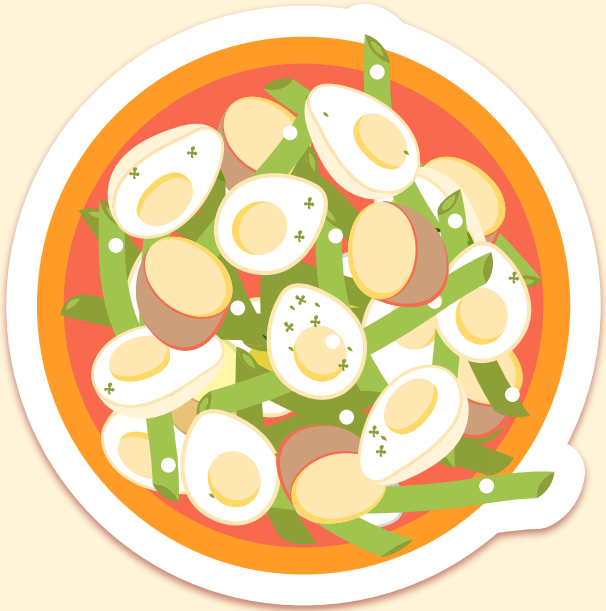
01



Introduction

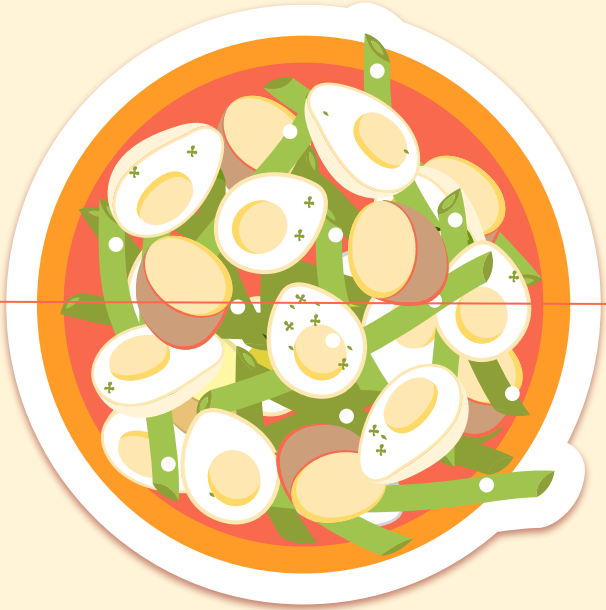


Problem Statement



Learning about and creating food with **ingredients** from other cultures can be an **intimidating experience**.

Our Solution



Dishcovery helps you recognize, learn about, and cook with foods from around the world.

Proposed Value Propositions



Culinary Exploration

Dishcovery makes unfamiliar ingredients speak for themselves



Cultural Transmission

Bridge the knowledge gap preventing users from trying new recipes



Integrity

Unique method of sourcing guarantees authenticity



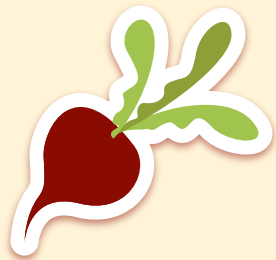
Unique Value Proposition



Culinary Exploration

Dishcovery makes unfamiliar ingredients speak for themselves

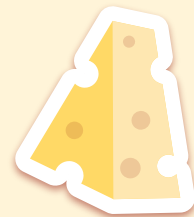
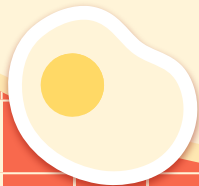




02



Interface Changes



Usability Testing Takeaways

Efficiency

Relevant context and recipes.

Take into account the information participants said they felt were most valuable on the app.

Discarding unnecessary steps.

Things like double scan confirmation could become more intuitive.

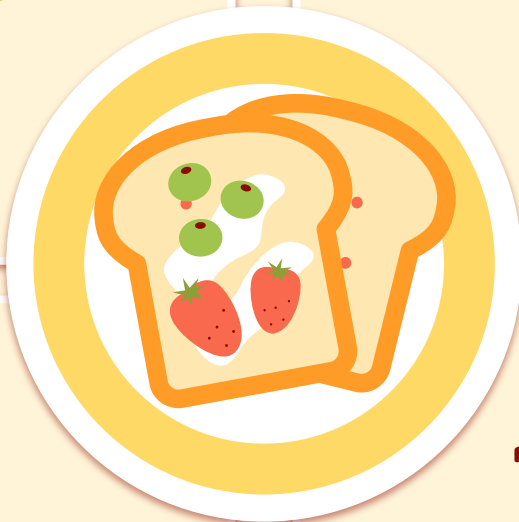
Learnability

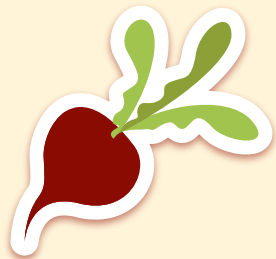
Scanning and browsing.

Make sure to include sufficient onboarding to make central functionality (scanning) clear.

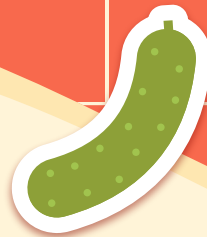
Ordering of tasks.

Giving the user the option to see recipes before reading the context, in case they have already or would not prefer to.



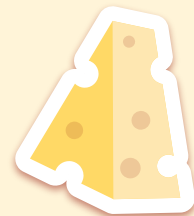
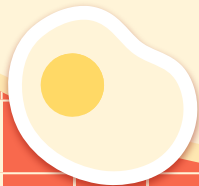


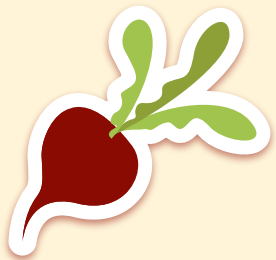
Onboarding



Our updated prototype includes **onboarding**, where users can make an account for the app and save their dietary restrictions.

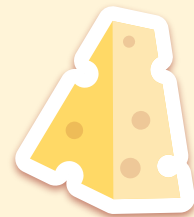
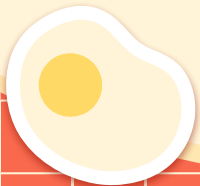
Onboarding also includes **tutorials** on important features of the app.

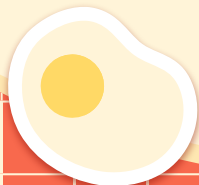
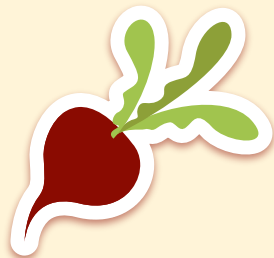




Creating an account.

To be able to save your preferences.





9:41

Welcome

Let's start Dishcovering new food!

Next →

9:41

Dishcovery

<

Account Information

Let's create your unique login.

Username

E.g. dishlover123...

Email

E.g. dishlover@dish.com

Password

Enter your password here.

Confirm Password

Enter your password here.

Next →

9:41

Dishcovery

<

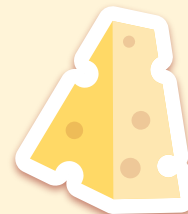
Account Information

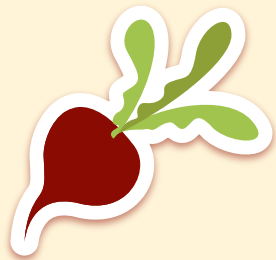
Let's create your unique login.

Your Name

E.g. Defne!

Next →

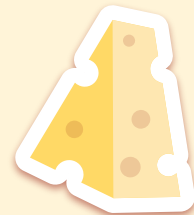
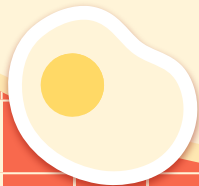




Setting up dietary preferences.



As part of our onboarding process.



9:41

Dishcovery

<

Looking good,
Defne!

Now, food.

Do you have any dietary preferences?

Animal Products

☐ Vegan

☐ Vegetarian

☐ Pescetarian

☐ Flexitarian

☐ No Red Meat

☐ Dairy-Free

☒ Meatless Mondays ✓

Allergies

Religious preferences

Next →

9:41

Dishcovery

Let's get into specifics.

Cuisines of Interest

☐ Mediterranean

☐ Southeast Asian

☐ East Asian

☐ Latin American

☐ Balkan

☒ Middle Eastern ✓

☐ Trying anything new!

☐ Scandinavian

☒ American ✓

Cooking experience

☐ Novice

☐ Expert

☐ Home chef

Spice tolerance

☐ 🔥🔥🔥

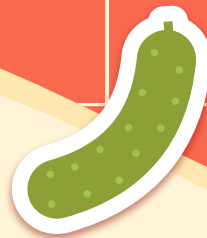
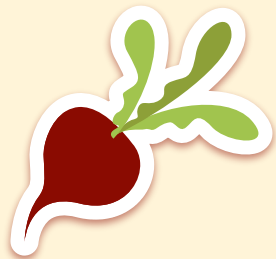
☐ 🔥🔥

☐ 🔥

☐ 🔥

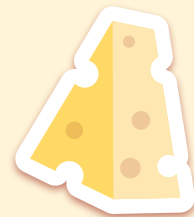
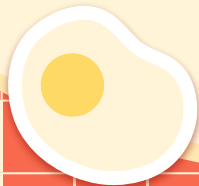
☒ No spice

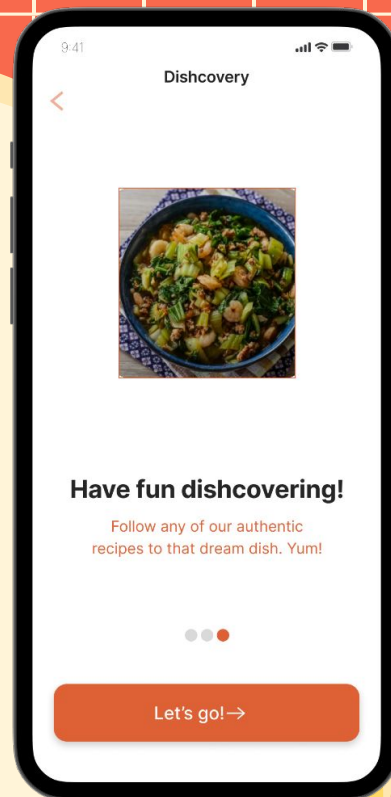
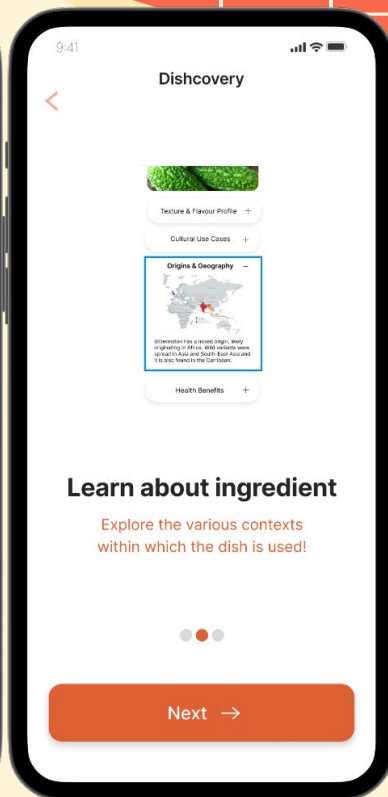
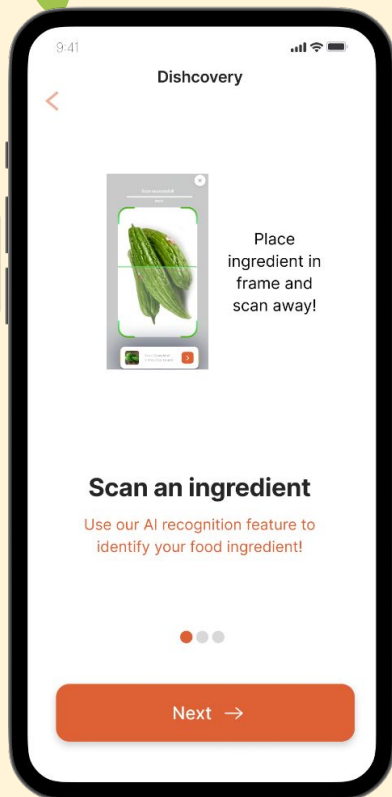
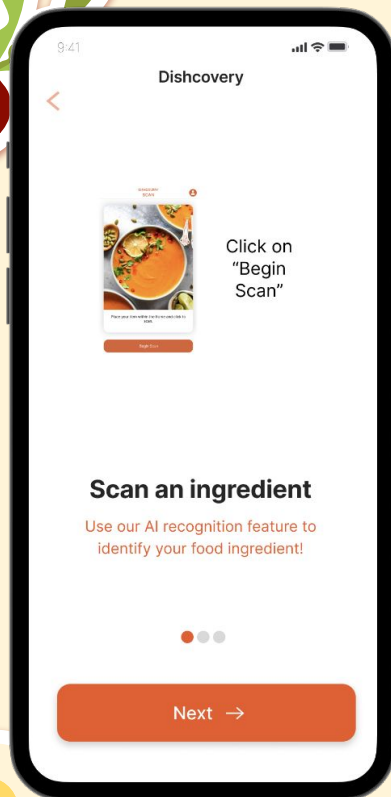
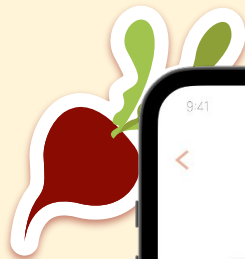
Next →

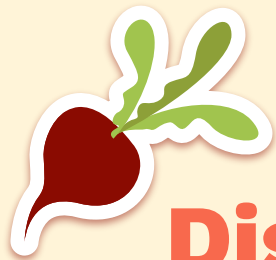


Tutorials

To make the central functionality of our app clear.

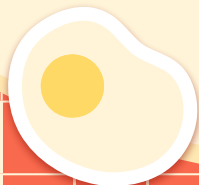


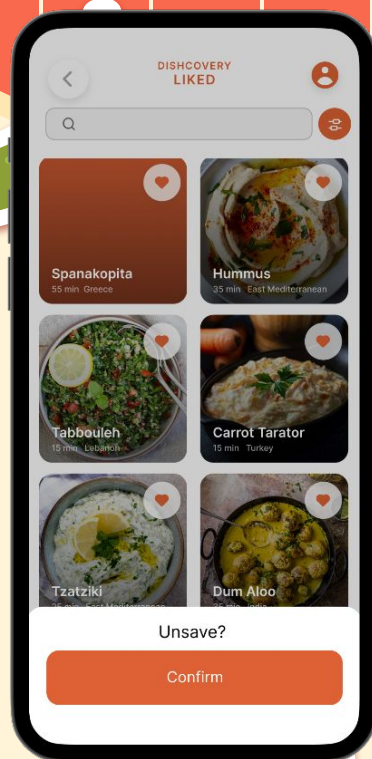
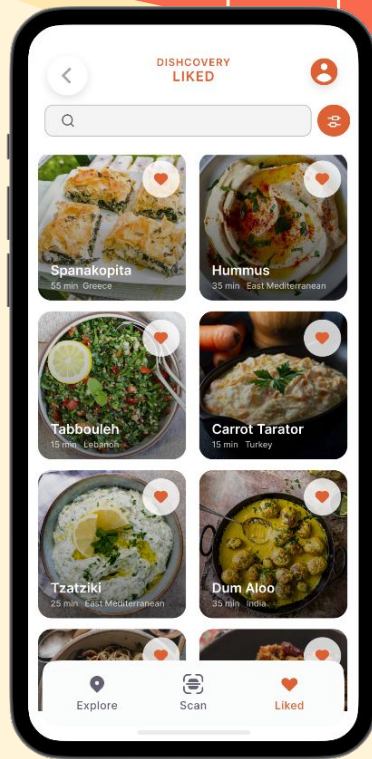
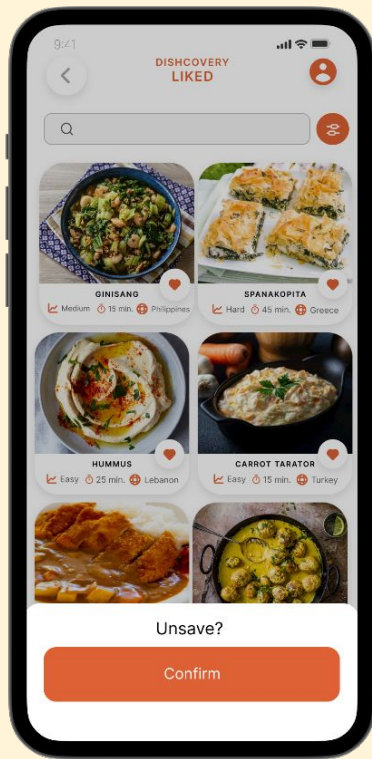
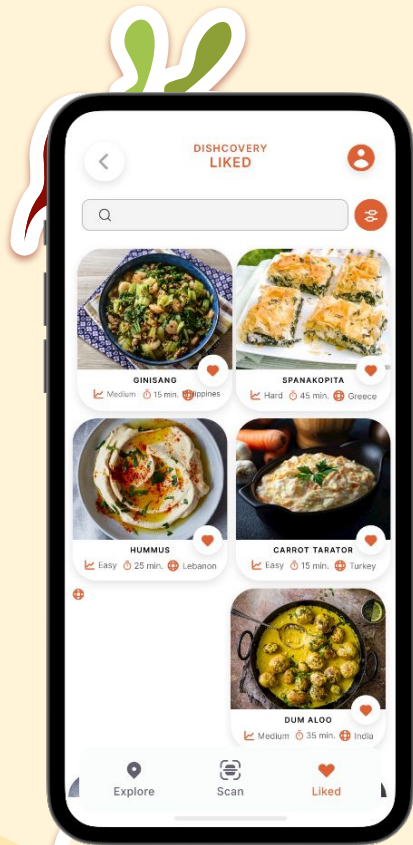


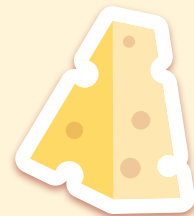
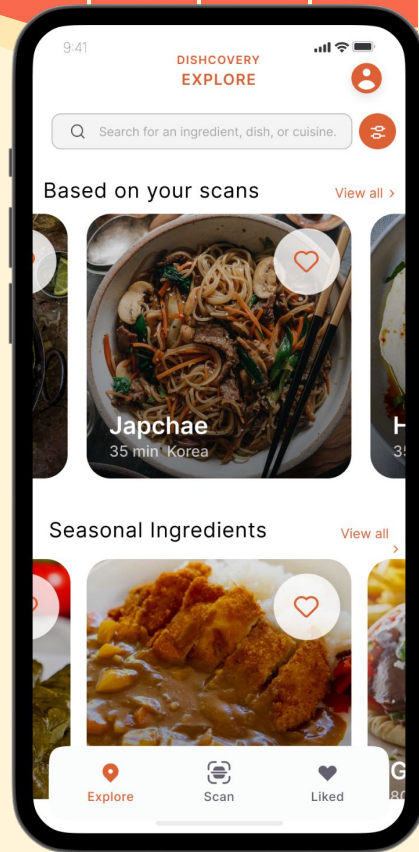
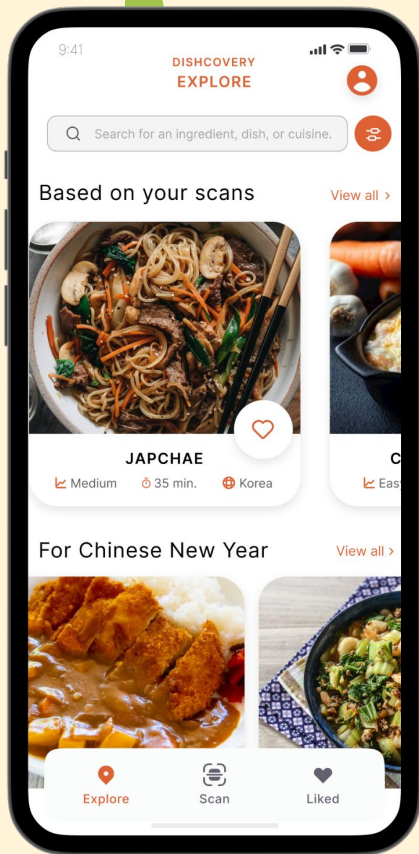
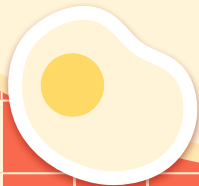
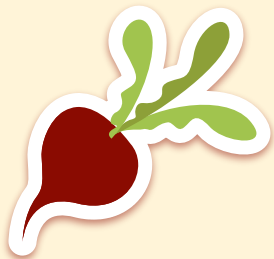


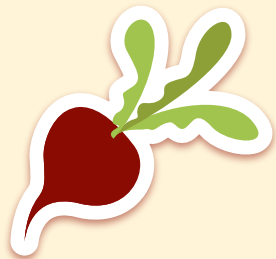
Dishcard Design

To make explore pages feel less cluttered.

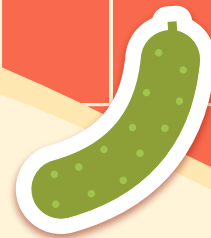






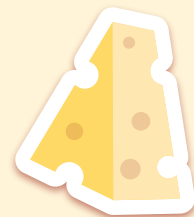
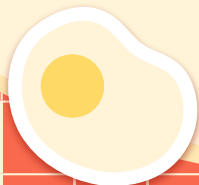


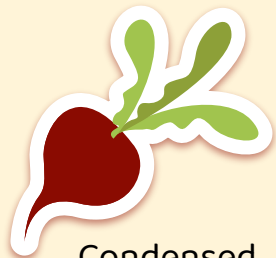
Scanning



After receiving feedback from our participants in the usability test, we removed the redundant “Begin Scan” screen.

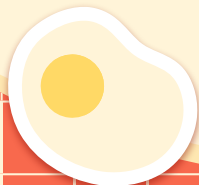
We also made changes to design of our remaining scan screen.



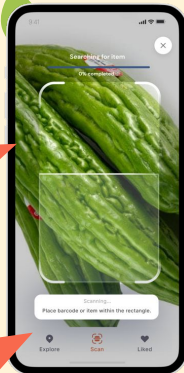


Condensed
information into
one section

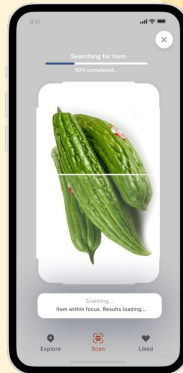
Removed
aggressive
shadows



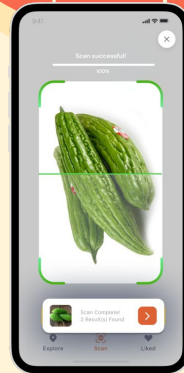
1.1.1: Item out of frame



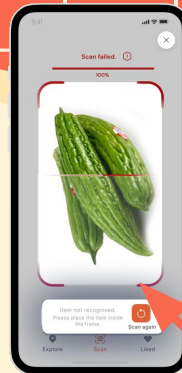
1.1.2: Scanning



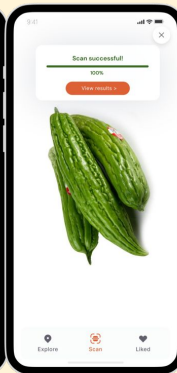
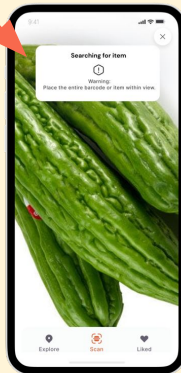
1.1.3.1: Scan successful

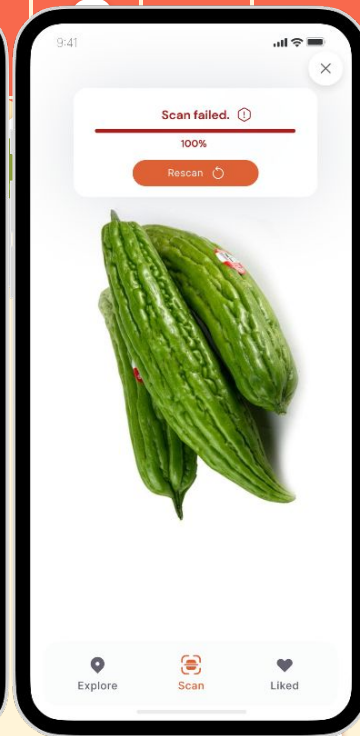
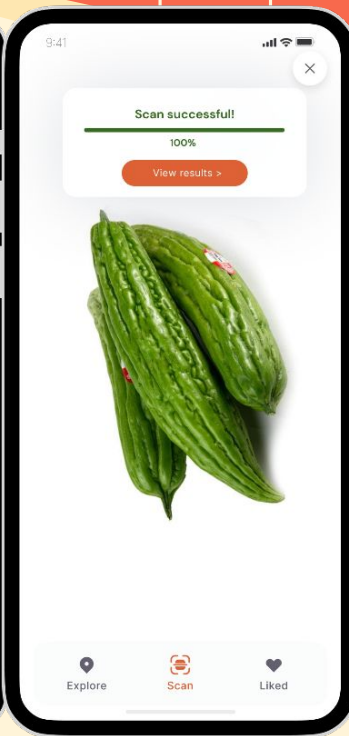
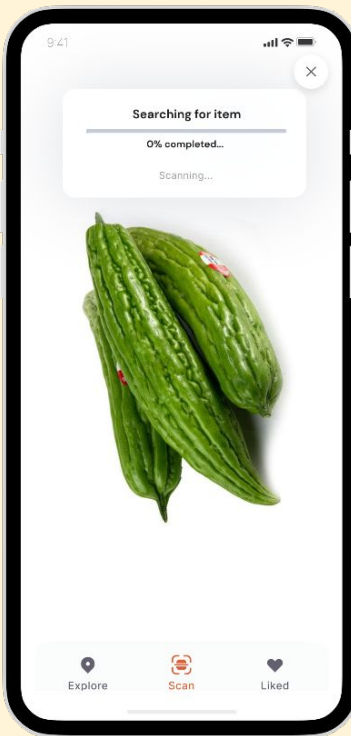
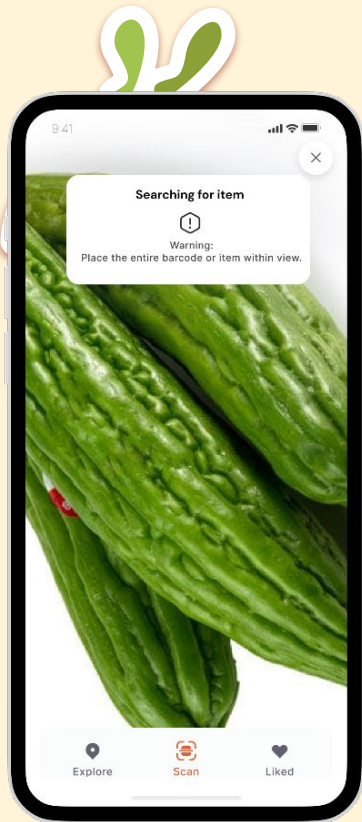


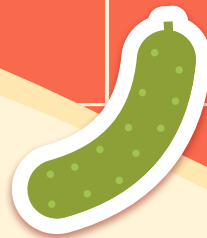
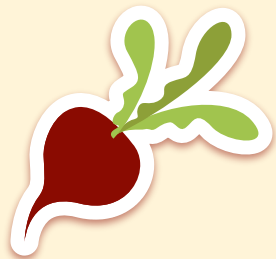
1.1.3.2: Scan failed



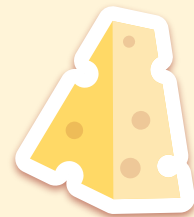
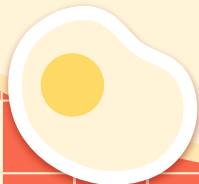
Removed
rectangle that
served no
function.



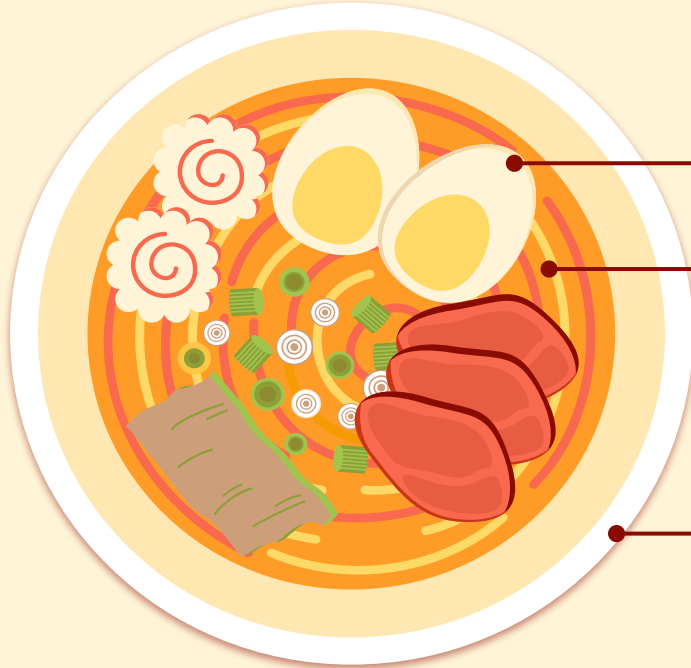




Task Flows



Recap of our Task Flows



1

Search

For an unfamiliar food item through scanning.

2

Contextualise

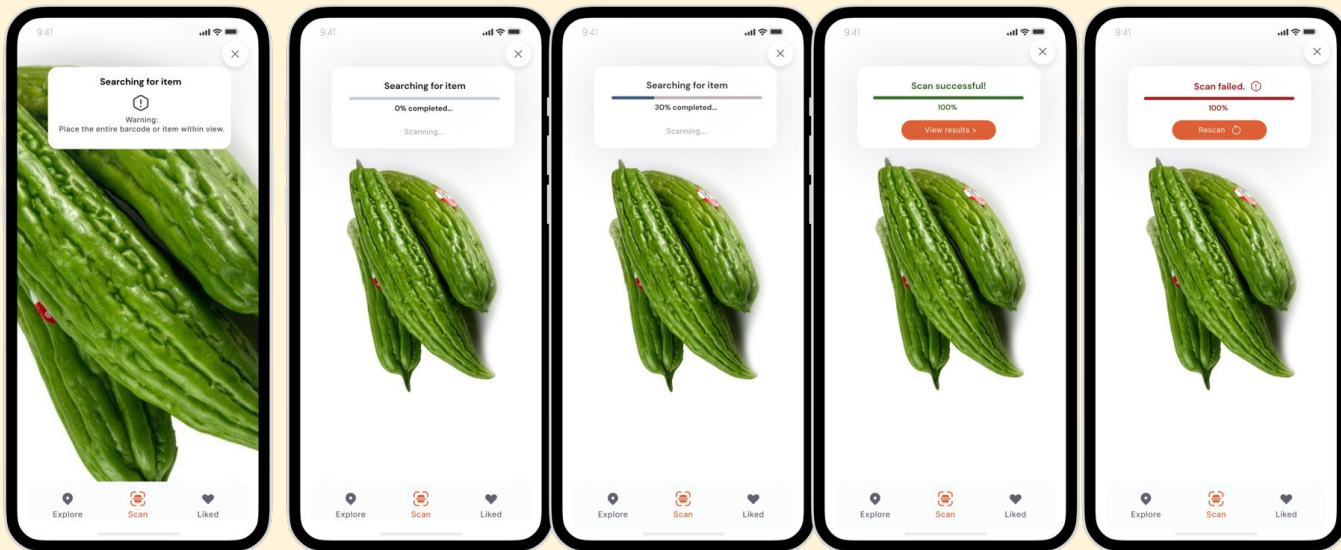
Using the information provided in the app.

3

Authentic Cooking

Through recipes the user finds and/or saves.

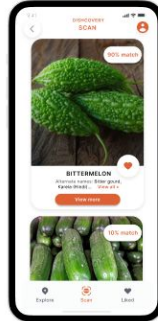
Scanning an ingredient.



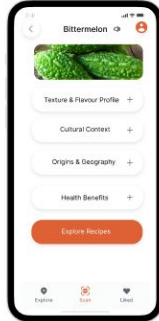
Ingredient context.

We kept this mostly the same, but have room to make more changes in the next iteration.

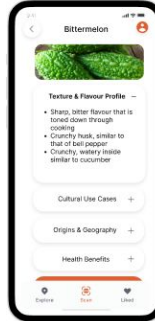
2.1: A name to the face



2.2: Ingredient context landing



2.2.1: Texture & Flavour



2.2.2: Cultural Use Cases



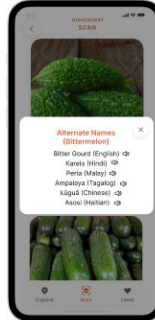
2.2.3: Origins & Geography



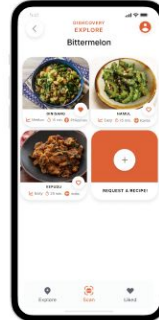
2.2.4: Health Benefits



2.3: Alternate Names

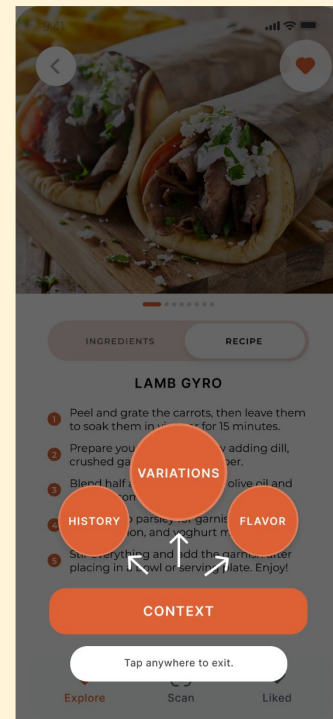
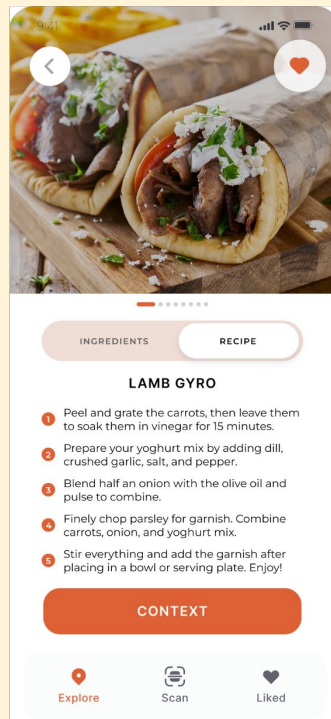
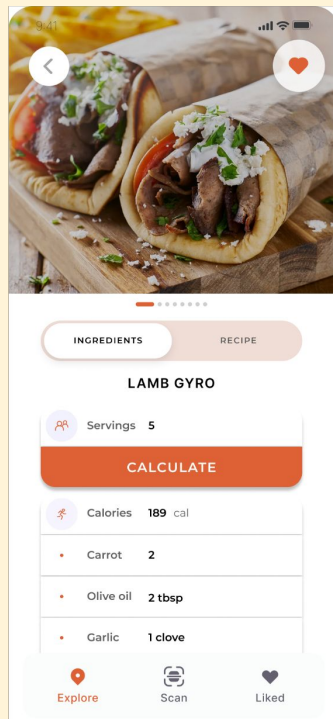
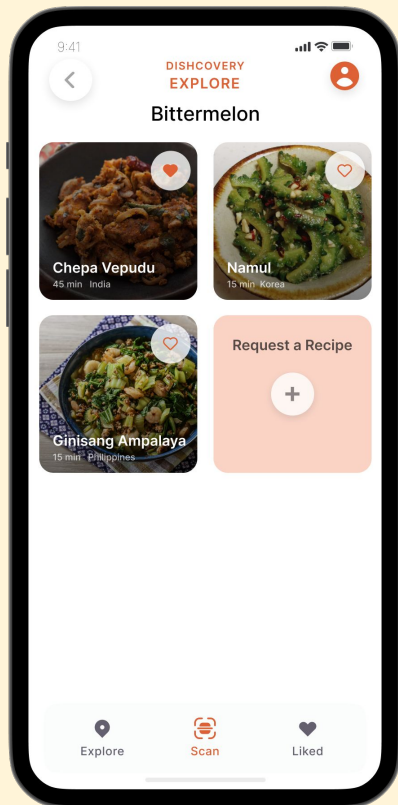


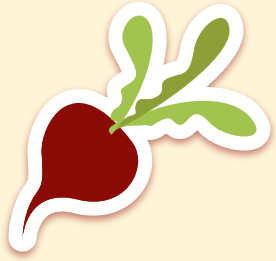
2.4: Recipes using ingredient



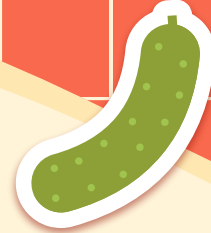


Cooking with that ingredient.



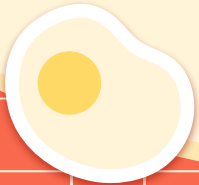


Backend

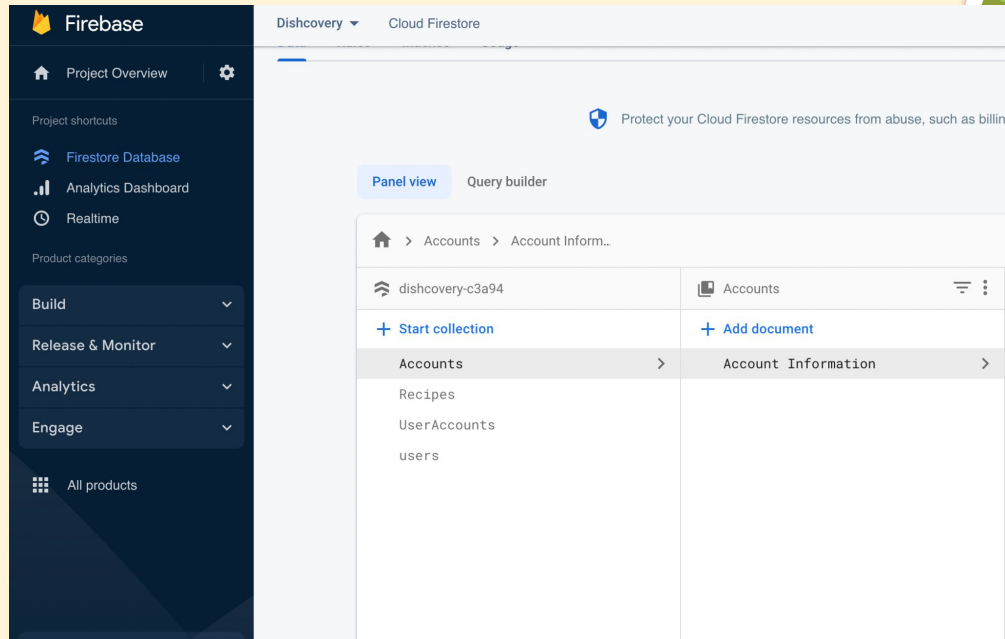


We used Firebase for our User Authentication and Database.

Recipes and User Information are currently stored in our Database.



Backend



Firestore

Project Overview

Project shortcuts

- Firestore Database
- Analytics Dashboard
- Realtime

Product categories

- Build
- Release & Monitor
- Analytics
- Engage

All products

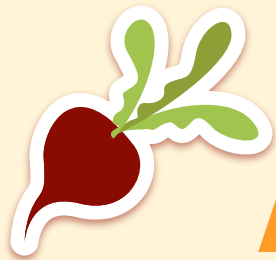
Dishcovery Cloud Firestore

Protect your Cloud Firestore resources from abuse, such as billing

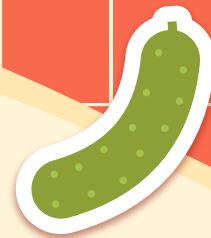
Panel view Query builder

Home > Accounts > Account Inform...

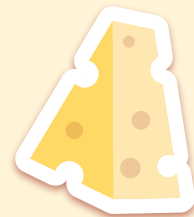
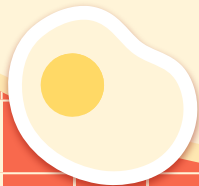
dishcovery-c3a94	Accounts
+ Start collection	+ Add document
Accounts	Account Information
Recipes	
UserAccounts	
users	

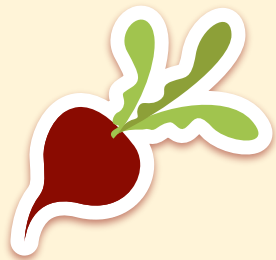


Authentic recipe sourcing

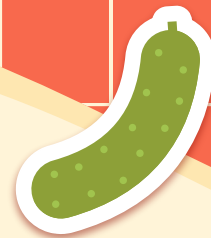


How we collected our initial data from real people with real experiences with authentic cooking.





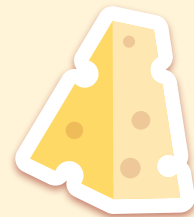
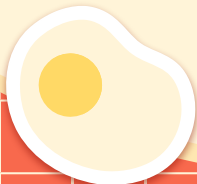
Method

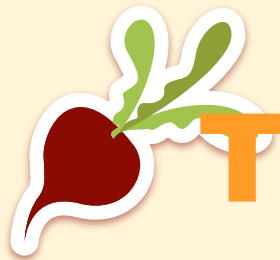


We sent out a Google Form to as many people as possible and asked them to share with friends and family.

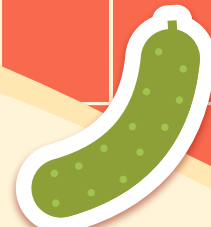
We asked for a link to the closest recipe they could find online to their desired dish.

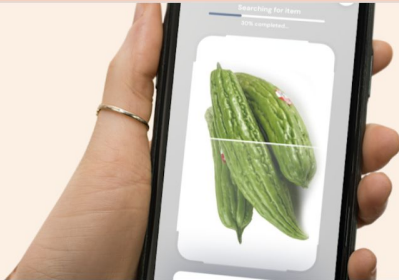
This ensured that the recipe sourcing process wasn't too high-effort for these participants.





The Google Form





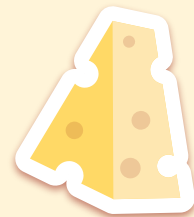
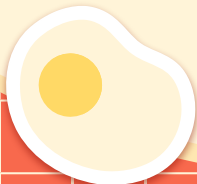
Dishcovery
Your cultural culinary
assistant

Recipe Sourcing for Dishcovery

We'd love your help in sourcing any **authentic recipe** that feels close to home.

(Optional) Your name.

Short answer





Recipe Sourcing for Dishcovery (Responses) ☆ 📁 ☁

File Edit View Insert Format Data Tools Extensions Help

↶ ↷ 🖨️ 📄 100% ▾ \$ % .0 .00 123 ▾ Default (Ar... ▾ 10 ▾ B I S A 🔍 🏠 🔄 ▾ ☰ ▾ ⬇ ▾ |P| ▾ ↗ ▾ ..

A1 ▾ *fx* Timestamp

	A	B	C	D	E	F
1	Timestamp	(Optional) Your name.	Name of dish	Where it's from	Link to the closest recipe	(Optional) If you'd like to v (Opti
2	2/1/2023 16:41:02		Chiles en Nogada	Mexico	https://cooking.nytimes.com/recipes/1020418-chiles-en-nogada	
3	2/1/2023 16:47:27		Bibimbap	Korea	https://www.maangchi.com/recipe/bibimbap	
4	2/1/2023 16:47:45		Bulgogi	Korea	https://www.maangchi.com/recipe/bulgogi	
5	2/1/2023 16:49:27		Japchae	Korea	https://www.maangchi.com/recipe/japchae	
6	2/1/2023 16:49:43		Kimchi jjigae	Korea	https://www.maangchi.com/recipe/kimchi-jjigae	
7	2/1/2023 21:43:44	Olivia	Tomato and Egg	China	https://cooking.nytimes.com/recipes/1018570-chinese-stir-fry	
8	2/2/2023 4:29:42		Effusive Soup	Nigeria	https://cheflaskitchen.com/egusi-soup-recipe/	
9	2/2/2023 13:36:34	Maha	بليله Balelah	I believe syria	https://www.supermama.r	Chick
10	2/2/2023 14:07:35		Saleeg	Saudi Arabia	http://www.cookingwithalia.com/saleeg-saudi-rice-dish/	
11	2/2/2023 14:14:25	Sumayyah Alsabri	Kabsah	Saudi Arabia	https://m.facebook.com/mishobaeshen/videos/330830301	
12	2/2/2023 21:50:06		Moussakas	Greece	https://www.mygreekdish.com/recipe/mousakas/	
13	2/2/2023 21:50:29		Mosaiko	Greece	https://www.kopiaste.org/2016/11/kormos-easy-chocolate-	
14	2/2/2023 21:50:50		Kolokithokeftedes	Greece	https://www.mygreekdish.com/recipe/kolokithokeftedes-fri	
15	2/2/2023 21:51:11		Tiropita	Greece	https://www.mygreekdish.com/recipe/tiropita-greek-feta-ch	
16	2/2/2023 21:52:56		Fakes	Greek	https://thegreekfoodie.com/greek-lentil-soup-recipe/	

04

Future Trajectory





Wizard of Oz

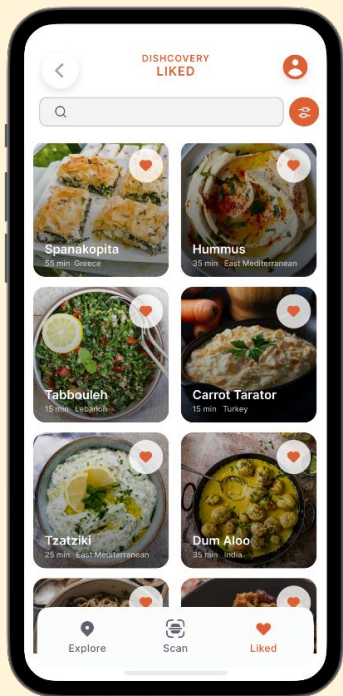
Scanning

- We are currently having issues with the scan feature, and are working to resolve them.
- The API does still work but we need to sort out issues with React dependencies and brainstorming a way to use the API long-term

Data Fetching

- Recipes and User data are successfully stored in the Firebase, but need some work to fetch the data so it can populate
- We've been manually sourcing recipes from people and their families.

Hard Coded



Liked Recipes

- Liked recipes from an example user are still hard coded. After we improve our backend and successfully fetch user data, we will populate this from the database.

Recipe Recommendations

- The recipes on the Explore Tab are currently hardcoded.



More that we hope to implement

- Dietary preferences informing “smart” recommendations (explained later)
- More permanent image recognition solution than API key.
- Sourcing more recipes from real people but also researching and adding recipes ourselves every week.
- Completing the continuation of the “Context” under recipe screens and devising more ways for sourcing and presenting recipe context.



How we're managing tasks



Week 6

Kanban board

To Do

Create onboarding on Figma.

Define

fix scan feature
→ does not complete scan
or indicate success

Atena Abongweza Otiwa

Start on Firebase

In Progress

Send out recipe form to
mailing lists.

Help resolve React Native
• Expo dependencies

Define

App redone from scratch
issues: dependencies
fixed, but scan not
working

Atena Abongweza Otiwa

change dishcard for
recipes to new model
• on app

Atena Abongweza Otiwa

Completed

expo dependencies fixed

Atena Abongweza Otiwa

change dishcard for
recipes to new model
• done on figma

Atena Abongweza Otiwa

onboarding navigation
flow skeleton done on app

Atena Abongweza Otiwa

Backlog

Redesign components

Define

Kanban
board





Future Technical Work



Improve Backend

Remove hard coding and fetch data effectively.



Recipe Recommendations

Use AI for the Explore Tab in order to recommend recipes relevant to the user.

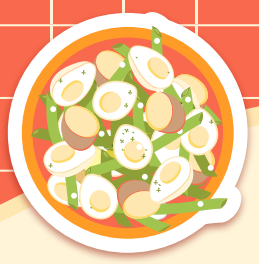


User settings

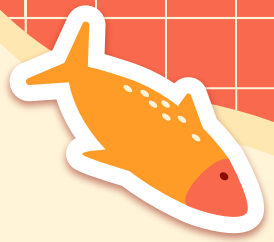
Allow for in-app adjustments of user settings and dietary restrictions apart from onboarding

THANK YOU!





Appen-dish



Updated Figma link:

<https://www.figma.com/file/tyDILZR1T2Z7Fmq4NTKeey/Dishcovery-Version-3?node-id=52%3A2419&t=Thj1HgKMRUSz18IB-1>