

Recipe app (Django version)

Development process



*All usernames, passwords or other similar information shown in this presentation is fictive and for illustrative purpose only

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01

Setting up the development environment

Skills used

Research

WHY WAS THIS STEP IMPORTANT

Organizing the development environment for efficient and well-oriented work from the beginning is not only necessary, but is also one of the keys to ensure smooth workflow and limit avoidable time loss due to inefficient project initialization.

WHAT WAS THE GOAL

Setting up the development environment (to ensure the project is properly initialized). More precisely, I:

- Created a new virtual environment for the web app
- Installed Django
- Generated a requirements file
- Created the Github repository

```
Installing collected packages: tzdata, typing-extensions, sqlparse, backports.zoneinfo, asgiref, Django
Successfully installed Django-4.2.6 asgiref-3.7.2 backports.zoneinfo-0.2.1 sqlparse-0.4.4 typing-extensions-4.8.0 tzdata-2023.3
```

```
[notice] A new release of pip is available: 23.2.1 -> 23.3.1
[notice] To update, run: python.exe -m pip install --upgrade pip
```

```
(achievement2-practice) C:\Users\alexa\Envs\achievement2-practice\Scripts>django-admin --version
4.2.6
```

02



Creating the project
structure and **setting up**
Django admin interface

Skills used

Code writing
Debugging

WHY WAS THIS STEP IMPORTANT

Creating the project structure was important at this stage to establish the foundations of the web application, and be able to build on it afterward to allow users to create accounts, access recipes and perform other actions within the web app.

WHAT WAS THE GOAL

Creating the project structure, launching the Django server and creating a superuser (for admin access).

INITIAL PROJECT STRUCTURE

```
▼ SRC
  ▼ recipe_project
    __init__.py
    asgi.py
    settings.py
    urls.py
    wsgi.py
    manage.py
```

DJANGO SERVER LAUNCHED



The install worked successfully! Congratulations!

You are seeing this page because `DEBUG=True` is in your settings file and you have not configured any URLs.



Django Documentation
Topics, references, & how-tos



Tutorial: A Polling App
Get started with Django



Django Community
Connect, get help, or contribute

SUPERUSER CREATION IN DJANGO ADMIN INTERFACE

Home › Authentication and Authorization › Users

Start typing to filter...

AUTHENTICATION AND AUTHORIZATION

Groups + Add

Users + Add

Select user to change

Action: ----- Go 0 of 1 selected

<input type="checkbox"/>	USERNAME	EMAIL ADDRESS	FIRST NAME	LAST NAME	STAFF STATUS
<input type="checkbox"/>	alexa				<input checked="" type="checkbox"/>

1 user

FILTER

↓ By staff status

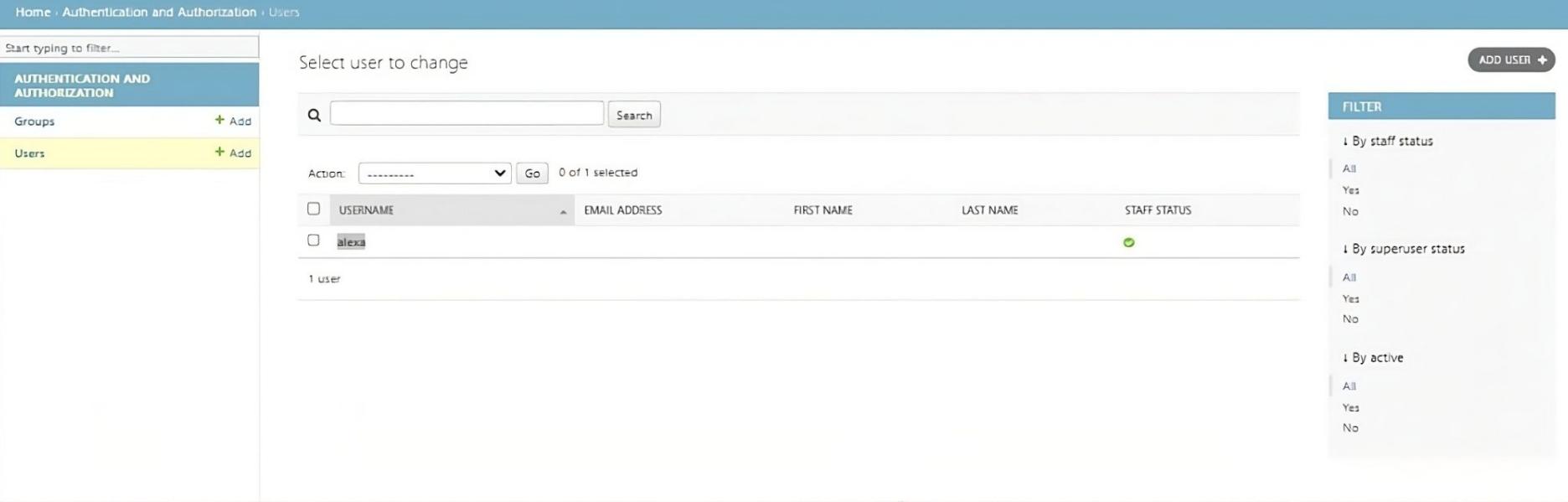
All
Yes
No

↓ By superuser status

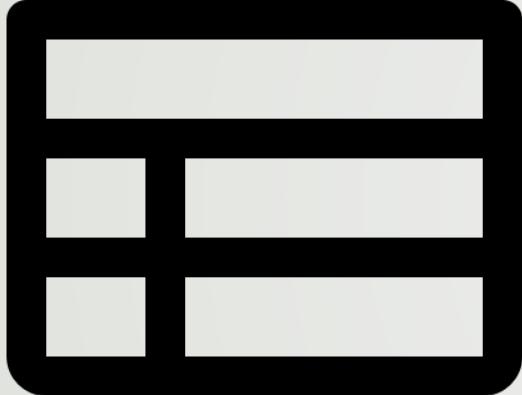
All
Yes
No

↓ By active

All
Yes
No



03



Creating models, and **writing / running** automated tests

Skills used

Research
Problem solving
Coding
Debugging

WHY WAS THIS STEP IMPORTANT

In the context of Django, models serve as the backend representation of database tables, determining what users see on the frontend. It was therefore essential to define key backend elements, such as database entities, fields, and relationships, at this stage of the application's development.

WHAT WAS THE GOAL

Preparing a detailed outline of the final product and determining what type of functionalities the web application should have (e.g.: what should be displayed by the application, what should be the web app flow, who are the target users, etc).

Creating the different apps for the project (*Accounts* and *Recipes*).

- Creating the models in the *models.py* file within each app, and register the models in their respective *admin.py*
- Migrating everything to convert the models into database tables

Updating the interface of the default Django admin panel to make it more suitable for the project needs, based on the newly created models:

- Adding new input fields
- Adding more complete information displays
- Adding conditional logics
- Adding advanced searching / filtering features

WHAT WAS THE GOAL (SUITE)

Writing automated tests to uncover and prevent potential bugs (while also allowing to save time in the long run and increase code reliability).

```
(a2-ve-recipeapp) C:\Users\alexa\Documents\python\recipe-app-cli\Achievement 2\2.2\A2_Recipe_App\src>python manage.py test
Found 11 test(s).
Creating test database for alias 'default'...
System check identified no issues (0 silenced).
.....
Ran 11 tests in 0.014s
OK
Destroying test database for alias 'default'...

(a2-ve-recipeapp) C:\Users\alexa\Documents\python\recipe-app-cli\Achievement 2\2.2\A2_Recipe_App\src>
```

04



Creating the frontend welcome page

Skills used

Research
Problem solving
Code writing
Debugging

WHY WAS THIS STEP IMPORTANT

Structuring the views and templates, as well as creating a first frontend welcome page for the web app, was important at this point to start displaying information on users UIs and pave the way for more advanced frontend features later during development.

WHAT WAS THE GOAL

Creating the first welcome page view, connecting it to a new HTML template, and linking it to a URL.

- Defining the view in the *views.py* file within the *Recipes* app
- Defining the HTML file within the *templates* folder in *Recipes* app
- Specifying the path in the *urls.py* file within the *Recipes* app
- Updating the *urls.py* file in the main *recipe_project* by registering the view to *urlpatterns*

INITIAL BASIC WELCOME PAGE

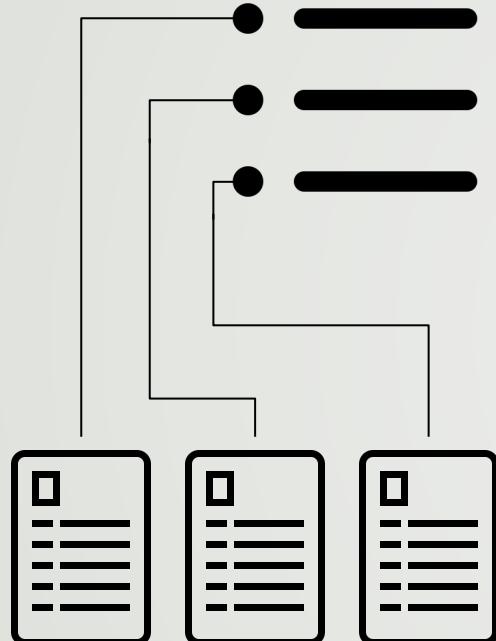
Welcome to your recipe app

Create your own original recipes

Search for recipes by ingredients

And more!

05



Implementing more advanced features on backend/frontend

Skills used

Research
Problem solving
Code writing
Debugging

WHY WAS THIS STEP IMPORTANT

Continuing the development of the app backend and frontend was essential to display information from the database to users and implement more functionalities required for the final product, such as different visuals for signed-in users vs unsigned users.

WHAT WAS THE GOAL

Updating the models to ensure all relevant attributes are there before entering the data and creating templates more extensively. Creating new recipes with the updated models to have some data to work with during further development.

Implementing logic to handle user-submitted images in database.

Creating frontend web pages that access and display database data (recipes).

- A main/initial page displaying recipes as a list of items with a few details on each.
- A second page displaying a recipe details when that recipe is clicked by users on the main/initial page presenting each recipe as a list of items.

INITIAL BASIC RECIPES LIST PAGE

Temporary logo

[Home](#) [Recipes](#) [About](#)

7 continents, 195 countries, millions of recipes, an infinite wealth of culinary and cultural delights



Pizza italiana



Tacos al pastor



Masala tea



Poutine



Chocolate cake



Orange juice

INITIAL BASIC RECIPES DETAILED PAGE

Temporary logo

[Home](#) [Recipes](#) [About](#)



Bacon poutine

canadian	hard
dinner	5
50	15.0

[Share recipe](#)

WHAT WAS THE GOAL (SUITE)

Creating a *Submit* page, to allow users to submit recipes they would like to share publicly on the web app.

- A logic has been implemented to send the submitted recipes from users to the web app owner by email, so that the submitted suggestions can be reviewed before going public. This has been put in place as a protection measure to ensure only relevant and quality content is displayed on the web app.

Creating a *Profile* page for signed-in users.

- This page is meant for signed-in users only, who can go on this personalized space and see all their recipes marked as favorite, as well as their own private recipes (which they can create within this page through a simple form).

Creating links between pages.

Adding tests corresponding to the new functionalities added and ensure that all of them pass.

INITIAL BASIC SUBMIT PAGE

Submit a recipe

Recipe name:

Cooking time:

Description:

Special note:

Number of portions:

Recipe estimated cost:

Origin country: Afghanistan

Recipe category: Appetizer

Pic: No file chosen

Ingredient Quantity Measurement unit Substitute Substitute special note

Allergen

Step Instruction

Cooking tool (ex: measure cup)

Similar/complementary recipe name Similar/complementary url

INITIAL BASIC PROFILE PAGE



[Home](#) [Recipes](#) [About](#) [Logout](#)

Welcome to your profile page

Personal recipes

Create a recipes

These recipe will only be seen by you and won't be public

Created recipes

No created recipes available.

Favorite recipes

No favorite recipes yet.

Account settings

INITIAL BASIC PROFILE PAGE



[Home](#) [Recipes](#) [About](#) [Logout](#)

Welcome to your profile page

[Create recipe](#)

Create your own recipes

These recipe will only be seen by you and won't be public

Recipe Name:

Description:

Special note:

Cooking Time:

Number of Portions:

Estimated cost:

Origin country:

Recipe category:

Recipe picture: No file chosen

Ingredient Quantity Measurement unit Substitute Substitute special note

[Add Ingredient](#)

[Save](#)

DECISIONS MADE

To create a more complete web app, I decided to significantly update my models at this stage, by adding several new attributes. These new elements were subsequently displayed on the frontend to allow users to access all the information they could expect when surfing on the web app.

I also decided to set up a page allowing users (unsigned and signed) to submit recipes that they would like to share publicly on the web app, while considering an appropriate quality control measure for this.

Finally, I decided to allow users (signed only) to create their own recipes via their *Profile* page, but this time in a private way and accessible only to them, hence not requiring review and allowing instant recipe creation in their UI.

I've also decided to implement a logic allowing signed-in users to have the option to comment publicly the recipes on the web app.

06



Creating authentication forms
and **protecting** web application's
views

Skills used

Research
Problem solving
Code writing
Debugging

WHY WAS THIS STEP IMPORTANT

This step was important to allow users to create an account and be able to connect/disconnect from it via the application interface. It was also important to protect the pages meant for signed-in users to ensure that only they had access to them.

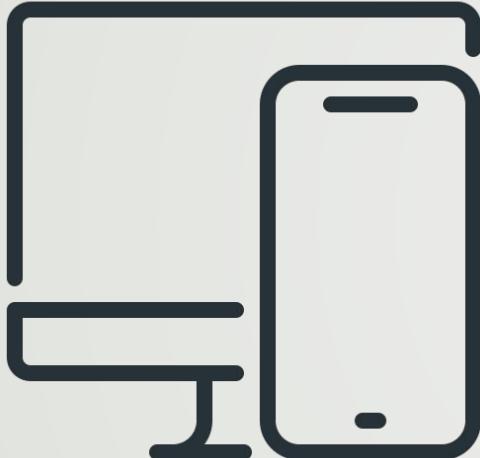
WHAT WAS THE GOAL

Implementing registration, login, forgotten password recovery and logout functionalities both on backend and frontend.

Protecting the pages only available to signed-in users (so that unregistered users cannot access it), using *LoginRequiredMixin* for Class-Based views and *login_required* decorator for Function-Based views.

- This way, if an unsigned user tries to access a page reserved for signed users, he is automatically redirected to the login page

07



Enhancing the user experience using JS and CSS

Skills used

Research
Problem solving
Code writing
Debugging

WHY WAS THIS STEP IMPORTANT

This step was important to implement all the features that allow a web app to be visually attractive, suitable for all screens, and present options to facilitate navigation and use of content. Investing time on these details can be crucial, as it's what can make the difference between a user's preference for one app over another.

WHAT WAS THE GOAL

Improving the user experience by making the web app more dynamic using JavaScript, and visually more attractive via Bootstrap and CSS, for both the unsigned users and signed-in users web app versions. Some features added in static files at this stage included:

- A complete responsive layout based on the Bootstrap grid system, making the web app suitable for any screen size
- High quality pictures for an eye-catching visual, along with thematic colors and fonts
- Search and advanced search options, using JavaScript to dynamically change the page depending on the searches carried out
- Modals to display additional information as needed, or to allow users to quickly create new recipes
- And more

WELCOME PAGE - LARGE SCREEN



Home Recipes About

A tablespoon of discovery

YOUR ATLAS OF THE WORLD CUISINES

Log in

Sign up

See recipes

Download the app version

Why signing up?

WELCOME PAGE SMALL SCREEN



SIGN UP PAGE - LARGE SCREEN



Home Recipes About

A tablespoon of discovery

SIGN UP

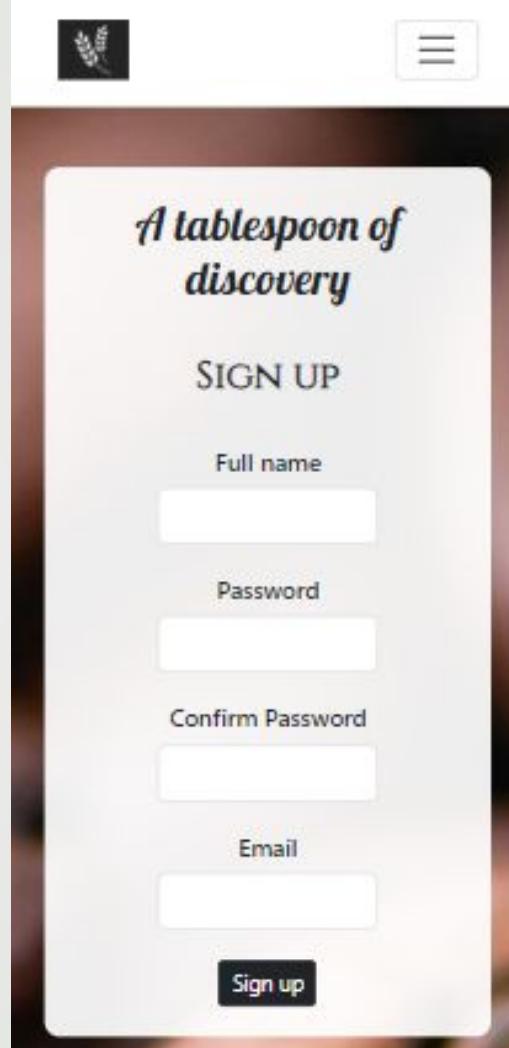
Full name

Password

Confirm Password

Email

SIGN UP PAGE SMALL SCREEN



LOG IN PAGE - LARGE SCREEN



Home Recipes About

A tablespoon of discovery

LOG IN

Email

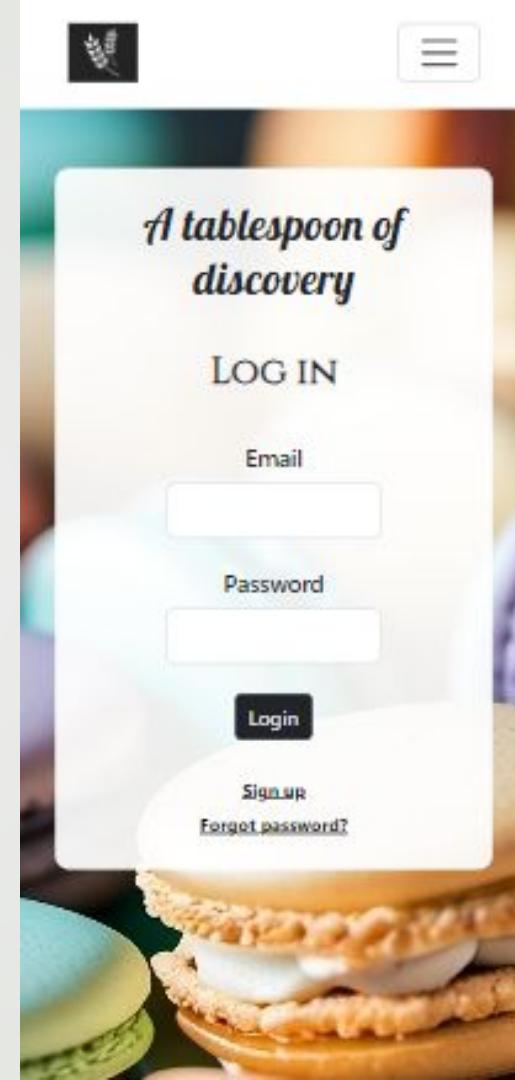
Password

Login

[Sign up](#)

[Forgot password?](#)

LOG IN PAGE SMALL SCREEN



ABOUT PAGE - LARGE SCREEN



[Home](#) [Recipes](#)

A tablespoon of discovery

OUR MISSION

To take people on a traveling journey one meal at a time, by offering a variety of accessible traditional recipes from all around the world.

OUR GOAL

We've designed our website specifically to open the world's gastronomic doors to food lovers. Our aim is to display as many recipes as possible from all corners of the globe, so that you can discover new flavors, new cuisines and simply immerse yourself in new cultures! Whether you're looking for an original quick meal for an evening with friends, a top-of-the-range meal for a romantic dinner or a simple family meal on a weekday, our cuisine atlas have the right recipes for you.

ABOUT PAGE SMALL SCREEN

A tablespoon of discovery

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THE NEXT PICTURES ARE FOR THE
UNSIGNED USERS WEB APP VERSION

RECIPES LIST PAGE (TOP SECTION)

NO PROFILE PAGE AVAILABLE IN NAVIGATION BAR
LARGE SCREEN VERSION



Home About

Millions of recipes in the world for an infinite wealth of culinary and cultural delights

SEARCH RECIPES

Enter a recipe

Search

Advanced search

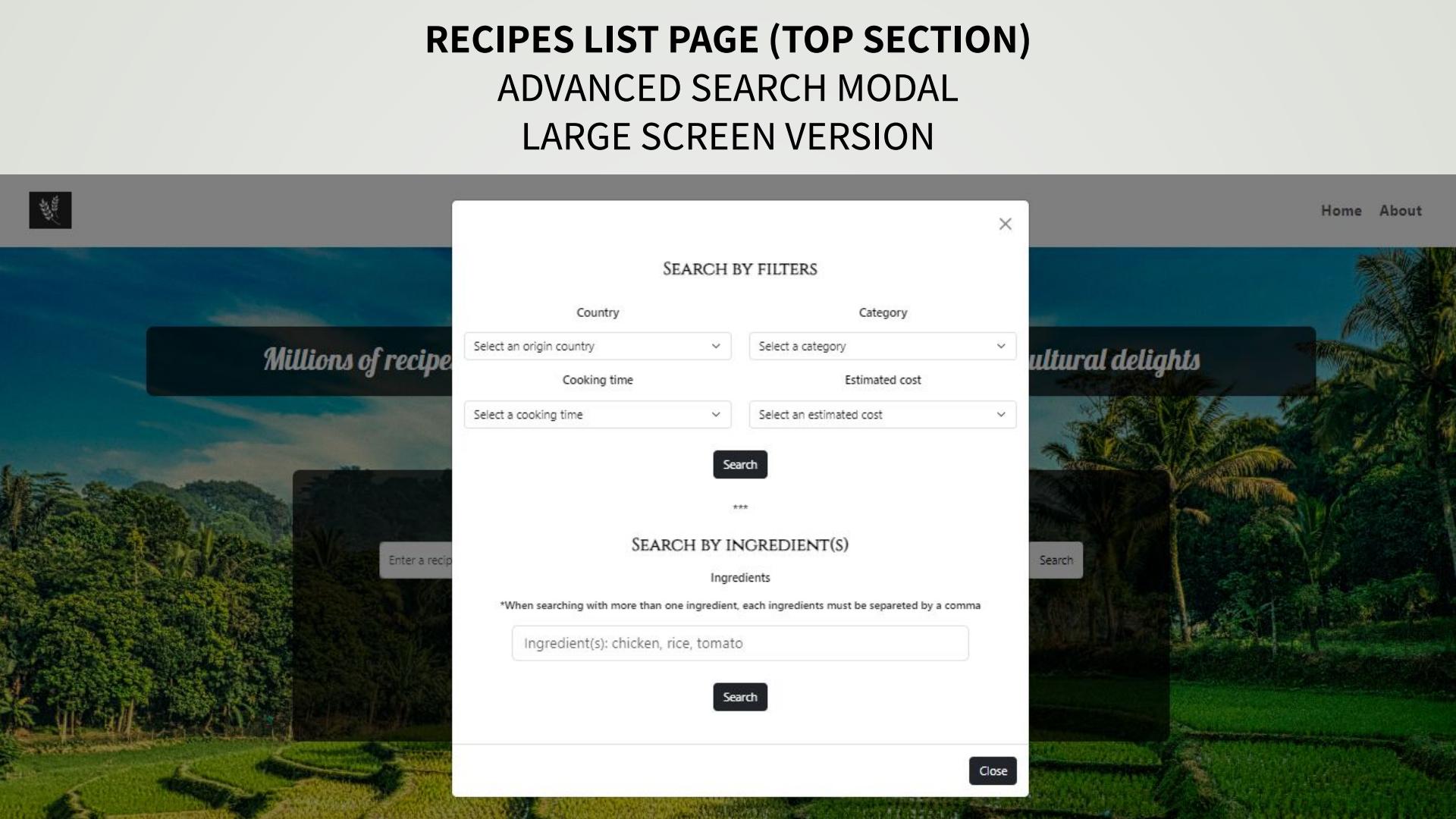
SUBMIT YOUR RECIPE

Submit recipe

RECIPES LIST PAGE (TOP SECTION)

ADVANCED SEARCH MODAL

LARGE SCREEN VERSION



The image shows a large, semi-transparent search modal centered over a scenic background of lush green rice terraces and palm trees under a bright sky.

Top Right: Home About

Modal Content:

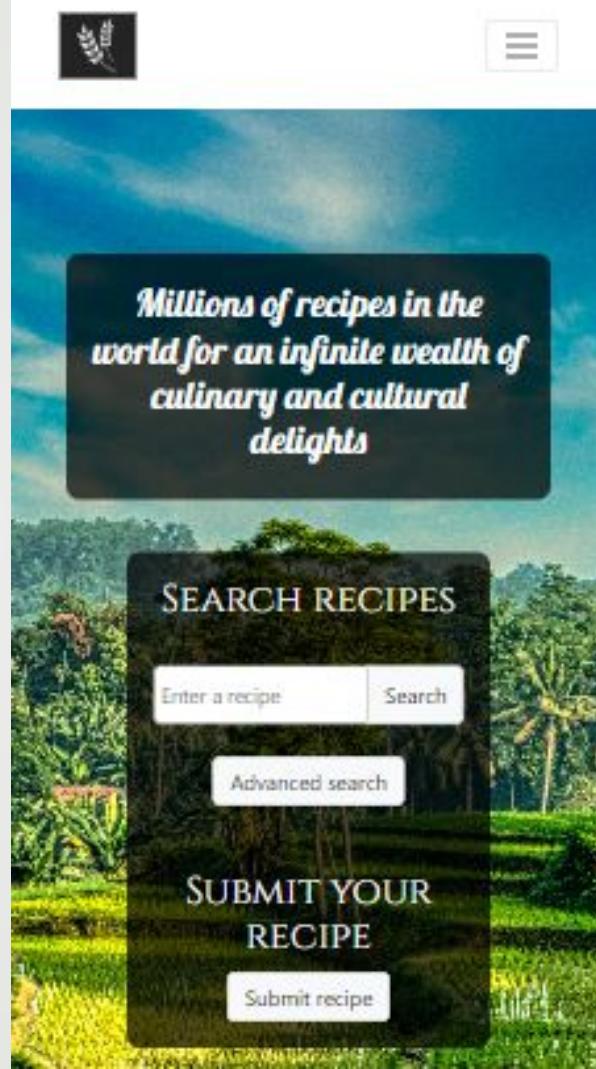
- SEARCH BY FILTERS**
 - Country: Select an origin country
 - Category: Select a category
 - Cooking time: Select a cooking time
 - Estimated cost: Select an estimated cost
- Search Button:** Search
- Text:** ***
- SEARCH BY INGREDIENT(S)**
 - Ingredients: Enter ingredients (e.g., chicken, rice, tomato)
- Text:** *When searching with more than one ingredient, each ingredients must be separated by a comma
- Search Button:** Search
- Close Button:** Close

Background Elements:

- Left Side:** Millions of recipe
- Bottom Left:** Enter a recip
- Bottom Right:** Search

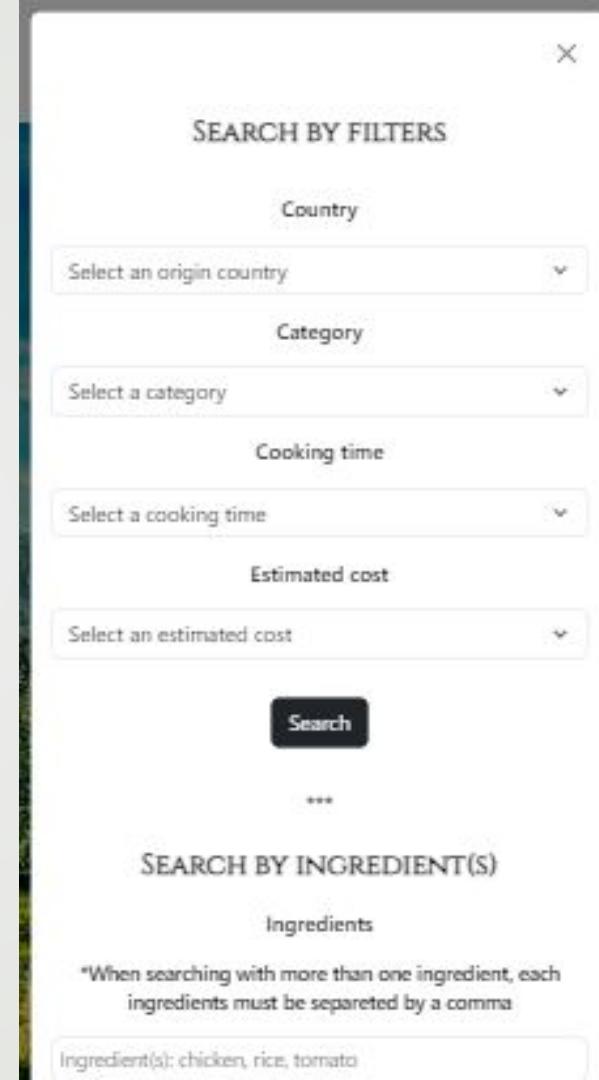
RECIPES LIST PAGE (TOP SECTION)

SMALL SCREEN VERSION



RECIPES LIST PAGE (TOP SECTION)

ADVANCED SEARCH MODAL SMALL SCREEN VERSION



RECIPES LIST PAGE (MAIN SECTION)

NOT POSSIBLE TO ADD RECIPES TO FAVORITE

LARGE SCREEN VERSION

NORTH AMERICA

■ Country | ☰ Difficulty | ≡ Category

[Submit recipe](#)

[Back to top](#)

TACOS AL PASTOR

■ mexican

☐ hard

≡ dinner

BACON POUTINE EXTRA

■ canadian

☐ hard

≡ snack

SHRIMP TACOS

■ mexican

☐ hard

≡ dinner

GUACAMOLE & SHRIMPS

■ mexican

AUTHENTIC GUACAMOLE

■ mexican

SOUTHWEST CHILI

■ american

Submit recipe

[Back to top](#)



RECIPES LIST PAGE (MAIN SECTION)

NOT POSSIBLE TO ADD RECIPES TO FAVORITE

SMALL SCREEN VERSION



RECIPES

DETAILED PAGE

LARGE SCREEN VERSION

NOT POSSIBLE
TO ADD RECIPES
TO FAVORITE



SOUTHWEST CHILI

american

dinner

45 min

hard

4 portions

\$ 20.0

SHARE RECIPE



DESCRIPTION

To see the complete page, [visit the web app](#).

RECIPES DETAILED PAGE

SMALL SCREEN VERSION

NOT POSSIBLE TO ADD
RECIPES TO FAVORITE

To see the complete page, visit the web
app.

The image shows a detailed view of a recipe card for "SOUTHWEST CHILI" on a mobile device screen. At the top left is a small icon of a stalk of wheat, and at the top right is a menu icon. Below the title is a large, appetizing photograph of a bowl of chili topped with sour cream and cilantro. To the right of the photo is a section titled "DESCRIPTION". Below the photo, the recipe title "SOUTHWEST CHILI" is displayed. Underneath the title are six horizontal cards containing recipe details: "american" (with a flag icon), "dinner" (with a plate icon), "45 min" (with a clock icon), "hard" (with a bar chart icon), "4 portions" (with a person icon), and "\$ 20.0" (with a dollar sign icon). At the bottom of the card is a "SHARE RECIPE" button.



SHARE RECIPE



RECIPES DETAILED PAGE (NOT POSSIBLE TO ADD ANY COMMENT)

LARGE SCREEN VERSION

COMMENT(S)

Written by **CanadianChef**

On Dec. 13, 2023, 7:34 p.m.

Modified on Dec. 13, 2023, 7:35 p.m.

This recipe is delicious! I cooked it for my kids last Saturday and they loved it.

Written by **NatyTheCook**

On Dec. 13, 2023, 8:23 p.m.

Same thing here! I made this as a surprise for a friend visiting from Texas and she loved it.

Written by **NatyTheCook**

On Dec. 13, 2023, 8:23 p.m.

I recommend :)

RECIPES DETAILED PAGE (NOT POSSIBLE TO ADD ANY COMMENT)

SMALL SCREEN VERSION

COMMENT(S)

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THE NEXT PICTURES ARE FOR THE
SIGNED-IN USERS WEB APP VERSION

RECIPES LIST PAGE (TOP SECTION)

PROFILE PAGE AVAILABLE IN NAVIGATION BAR

LARGE SCREEN VERSION



[Home](#) [Profile](#) [About](#) [Logout](#)

Millions of recipes in the world for an infinite wealth of culinary and cultural delights

SEARCH RECIPES

Enter a recipe

Search

Advanced search

SUBMIT YOUR RECIPE

Submit recipe

RECIPES LIST PAGE (TOP SECTION)

ADVANCED SEARCH MODAL

LARGE SCREEN VERSION

The background features a scenic view of lush green rice terraces and palm trees under a clear blue sky.

Home Profile About Logout

SEARCH BY FILTERS

Country	Category
Select an origin country	Select a category
Cooking time	Estimated cost
Select a cooking time	Select an estimated cost

Search

SEARCH BY INGREDIENT(S)

Ingredients

*When searching with more than one ingredient, each ingredients must be separated by a comma

Ingredient(s): chicken, rice, tomato

Search

Close

Millions of recipe

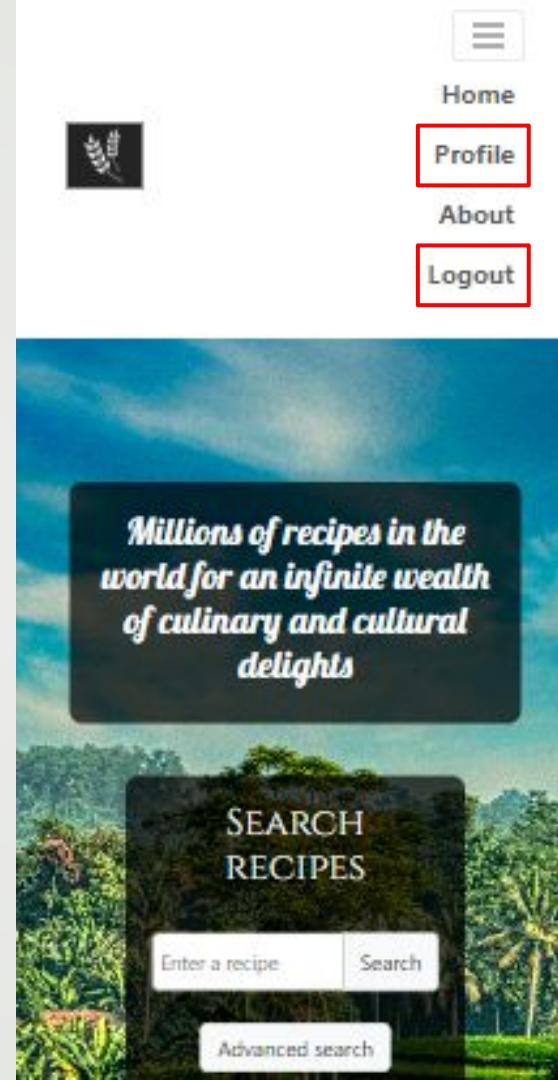
cultural delights

Enter a recip

Search

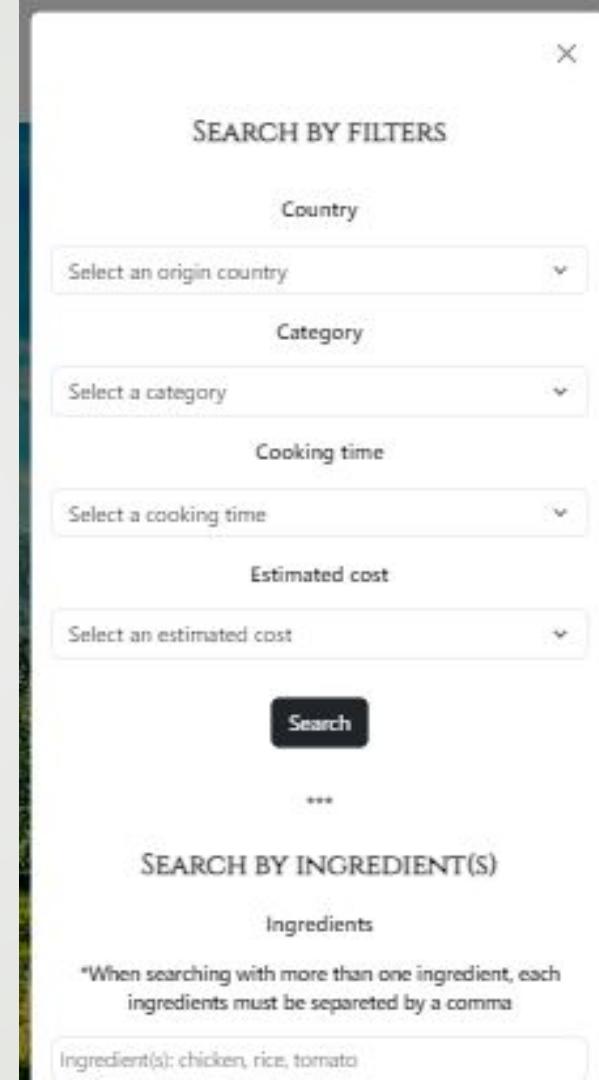
**RECIPES LIST PAGE
(TOP SECTION)**
PROFILE PAGE AVAILABLE IN
NAVIGATION BAR

SMALL SCREEN VERSION



RECIPES LIST PAGE (TOP SECTION)

ADVANCED SEARCH MODAL SMALL SCREEN VERSION



RECIPES LIST PAGE (MAIN SECTION)

POSSIBLE TO ADD/REMOVE RECIPES TO/FROM FAVORITE

LARGE SCREEN VERSION

NORTH AMERICA

| Country | Difficulty | Category

Submit recipe

[Back to top](#)

TACOS AL PASTOR



mexican

hard

dinner

BACON POUTINE EXTRA



canadian

hard

snack

SHRIMP TACOS



mexican

hard

dinner

[Remove from favorite](#)

[Add to favorite](#)

[Add to favorite](#)

GUACAMOLE & SHRIMPS

AUTHENTIC GUACAMOLE

SOUTHWEST CHILI

Submit recipe

[Back to top](#)

RECIPES LIST PAGE (MAIN SECTION)

POSSIBLE TO ADD/REMOVE
RECIPES TO/FROM FAVORITE

SMALL SCREEN VERSION





RECIPES DETAILED PAGE LARGE SCREEN VERSION

POSSIBLE TO
ADD/REMOVE
RECIPES
TO/FROM
FAVORITE



SOUTHWEST CHILI

american

dinner

45 min

hard

4 portions

\$ 20.0

SHARE RECIPE



Add to favorite

To see the complete page, [visit the web app.](#)

RECIPES DETAILED PAGE

SMALL SCREEN VERSION

POSSIBLE TO
ADD/REMOVE RECIPES
TO/FROM FAVORITE

To see the complete page, [visit the web app.](#)

SOUTHWEST CHILI

- american
- dinner
- 45 min
- hard
- 4 portions
- \$ 20.0

SHARE RECIPE

SHARE RECIPE

Add to favorite

DESCRIPTION

Embark on a culinary journey with the Southwest Chili, a flavorful homage to American comfort cuisine, specifically the rich tapestry of chili variations. Originating in the United States, chili has become a quintessential dish, deeply ingrained in American culinary traditions. This recipe introduces a delightful twist by incorporating creamy avocados and hearty sweet potatoes. In the heartland of chili culture, particularly

RECIPES

DETAILED PAGE

LARGE SCREEN VERSION

POSSIBLE TO ADD
A COMMENT
UNDER A RECIPE,
AND
UPDATE/DELETE A
POSTED COMMENT
(NEXT SLIDE)

ADD A COMMENT

Your comment here...

Publish comment

A tablespoon of discovery

Want to share your own recipes with the world? Proud of one of your local recipe delight?

[Submit your recipe to our catalog right now quickly and easily.](#)

Submit recipe

COMMENT(S)

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[Delete](#)

[Update](#)

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I recommend :)

RECIPES DETAILED PAGE

SMALL SCREEN VERSION

POSSIBLE TO ADD A COMMENT
UNDER A RECIPE, AND
UPDATE/DELETE A POSTED
COMMENT (NEXT SLIDE)

ADD A COMMENT

Your comment here...

Publish comment

*A tablespoon of
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Want to share your own
recipes with the world?
Proud of one of your
local recipe delight?

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COMMENT(S)

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I recommend :)

PROFILE PAGE (TOP SECTION)

LARGE SCREEN VERSION



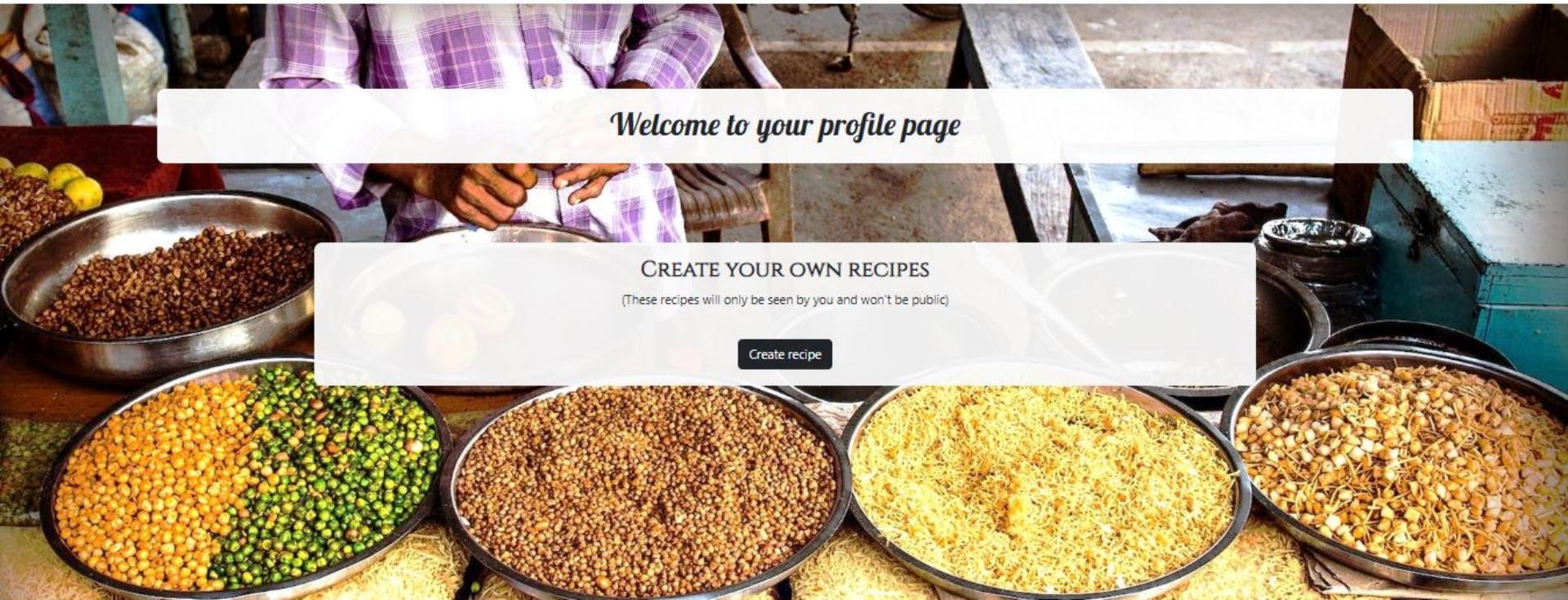
[Home](#) [Recipes](#) [About](#) [Logout](#)

Welcome to your profile page

CREATE YOUR OWN RECIPES

(These recipes will only be seen by you and won't be public)

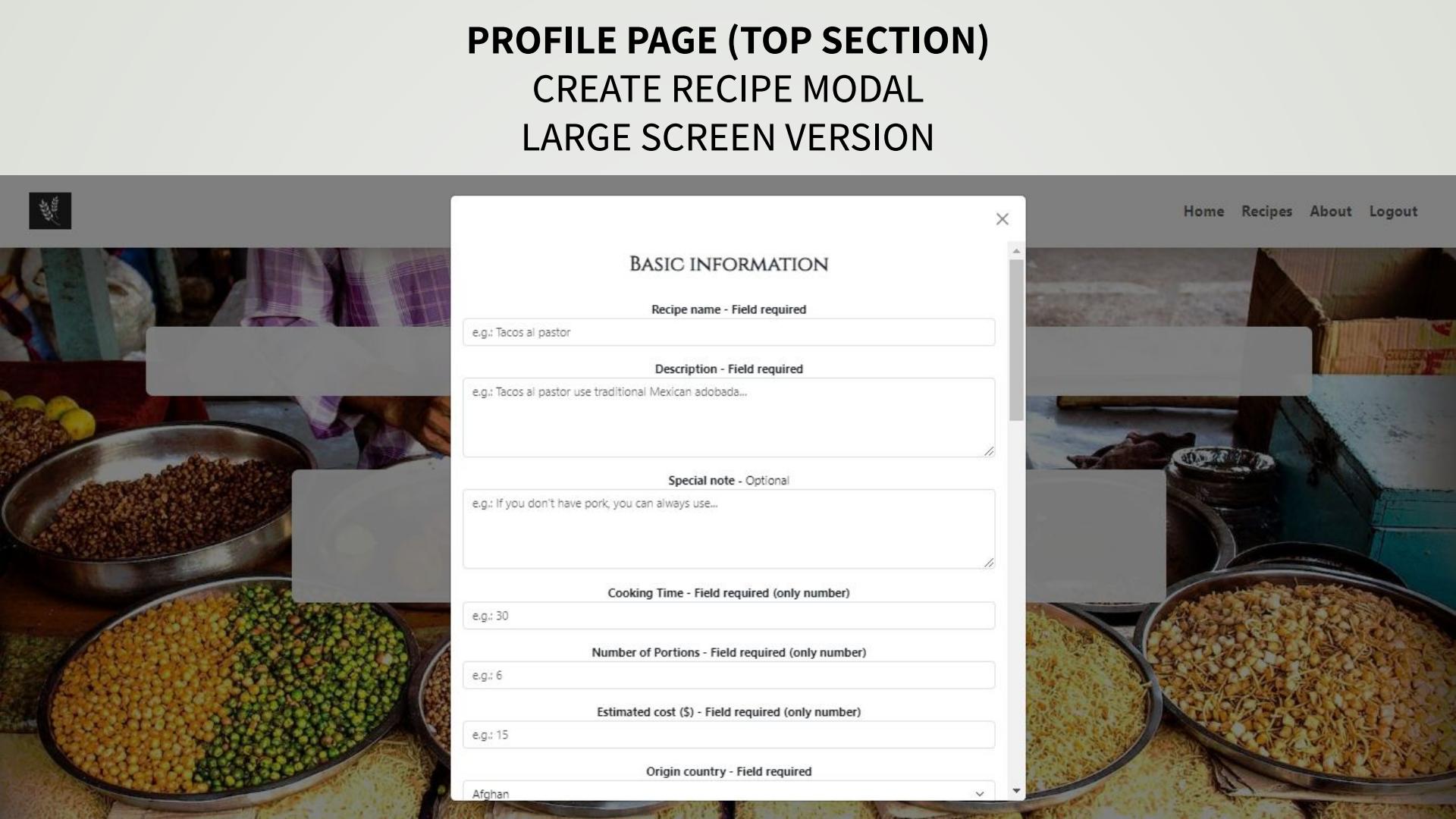
[Create recipe](#)



PROFILE PAGE (TOP SECTION)

CREATE RECIPE MODAL

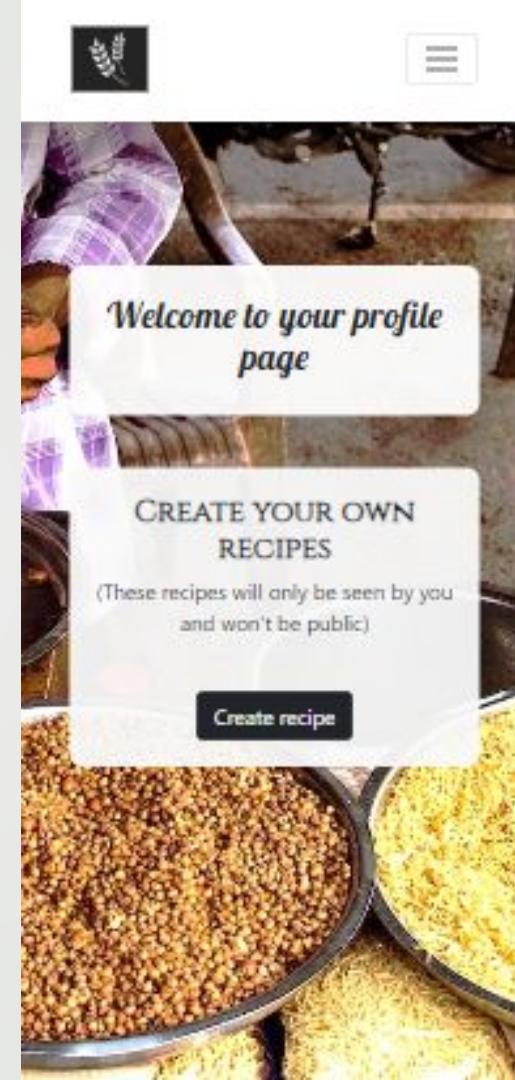
LARGE SCREEN VERSION



A large, semi-transparent modal window is centered over the background image. The modal has a dark gray header bar with the text "BASIC INFORMATION" and a close button "X". Below the header are five input fields with placeholder text and labels:

- Recipe name - Field required**
e.g.: Tacos al pastor
- Description - Field required**
e.g.: Tacos al pastor use traditional Mexican adobada...
- Special note - Optional**
e.g.: If you don't have pork, you can always use...
- Cooking Time - Field required (only number)**
e.g.: 30
- Number of Portions - Field required (only number)**
e.g.: 6
- Estimated cost (\$) - Field required (only number)**
e.g.: 15
- Origin country - Field required**
Afghan

PROFILE PAGE (TOP SECTION) SMALL SCREEN VERSION



PROFILE PAGE (TOP SECTION)

CREATE RECIPE MODAL

SMALL SCREEN VERSION

X

BASIC INFORMATION

Recipe name - Field required
e.g.: Tacos al pastor

Description - Field required
e.g.: Tacos al pastor use traditional Mexican adobada..

Special note - Optional
e.g.: If you don't have pork, you can always use...

Cooking Time - Field required (only number)
e.g.: 30

Number of Portions - Field required (only number)
e.g.: 6

Estimated cost (\$) - Field required (only number)
e.g.: 15

PROFILE PAGE (MAIN SECTION)

CREATED RECIPES

LARGE SCREEN VERSION

CREATED RECIPES

■ Country | ■ Difficulty | ■ Category

[Back to top](#)

ONION THIN CRUST PIZZA

■ italian
■ hard
■ vegetarian



[Delete](#)

TACOS AL PASTOR

■ mexican
■ hard
■ dinner



[Delete](#)

MASALA TEA

■ indian
■ hard
■ cafe/tea



[Delete](#)

BACON POUTINE EXTRA

CHOCOLATE CAKE

ORANGE JUICE

CREATED RECIPES

■ Country

■ Difficulty

■ Category

[Back to top](#)

PROFILE PAGE (MAIN SECTION)

CREATED RECIPES

SMALL SCREEN VERSION



PROFILE PAGE (MAIN SECTION)

FAVORITE RECIPES

LARGE SCREEN VERSION

FAVORITE RECIPES

■ Country | ■ Difficulty | ≡ Category

[Back to top](#)

BANDEJA PAISA

■ colombian

■ hard

≡ dinner



[Remove](#)

TACOS AL PASTOR

■ mexican

■ hard

≡ dinner



[Remove](#)

MASALA TEA

■ indian

■ hard

≡ cafe/tea



[Remove](#)

MOZZARELLA SANDWICH

SHRIMP PAD THAI

FAVORITE RECIPES

■ Country

■ Difficulty

■ Category

[Back to top](#)

PROFILE PAGE (MAIN SECTION) FAVORITE RECIPES SMALL SCREEN VERSION



[Remove](#)



SUBMIT RECIPE PAGE (AVAILABLE FOR BOTH UNSIGNED AND SIGNED-IN USERS)

LARGE SCREEN VERSION



[Home](#) [See recipes](#) [Profile](#) [About](#) [Logout](#)

Submit a recipe

BASIC INFORMATION

Recipe name - Field required

e.g.: Tacos al pastor

Description - Field required

e.g.: Tacos al pastor is a traditional mexican dish...

Special note - Optional

e.g.: If you don't have pork, you can always use...

Cooking Time - Field required (only number)

e.g.: 30

Number of Portions - Field required (only number)



SUBMIT RECIPE PAGE (AVAILABLE FOR BOTH UNSIGNED AND SIGNED-IN USERS) SMALL SCREEN VERSION

The image shows a mobile application interface for submitting a recipe. At the top, there is a logo of a stylized plant or grain and a menu icon with three horizontal lines. The main title is "Submit a recipe" in a large, bold, italicized font. Below it, the section "BASIC INFORMATION" is labeled. There are four input fields:

- Recipe name - Field required**
e.g.: Tacos al pastor
- Description - Field required**
e.g.: Tacos al pastor is a traditional mexican dish...
- Special note - Optional**
e.g.: If you don't have pork, you can always use...
- Cooking Time - Field required (only number)**
e.g.: 30

DECISIONS MADE

I decided on the implementation of all JS and CSS elements, based on what I believed users might want to have while surfing on this web app. To achieve this, I took inspiration from other web apps, and from other projects on which I have worked in the past. I also asked some future users to give me their comments on the product at a certain point, and I then made changes based on their valuable feedbacks.

08



Making the web app
downloadable on desktop and
mobile

Skills used

Research
Problem solving

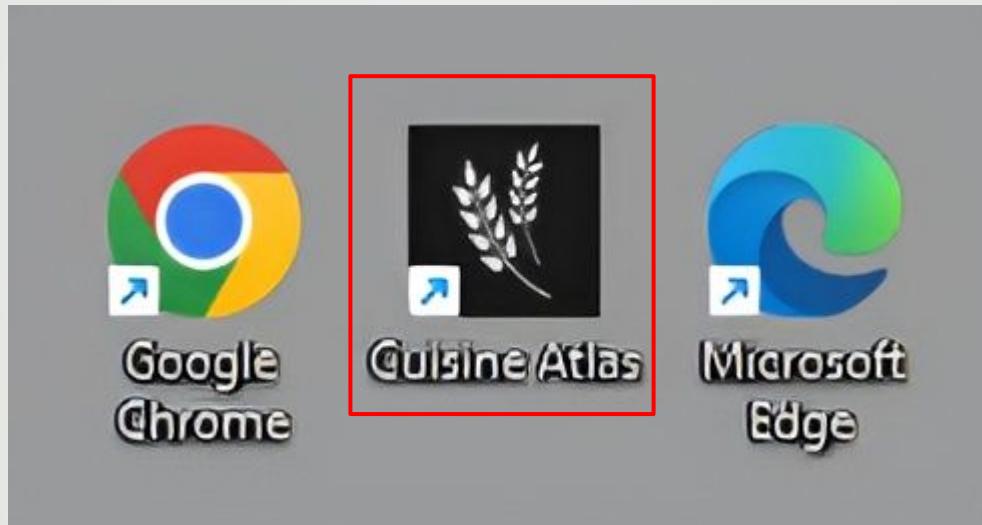
WHY WAS THIS STEP IMPORTANT

Allowing users to access a web app or website directly from their desktop or mobile improves the experience and makes using the product easier.

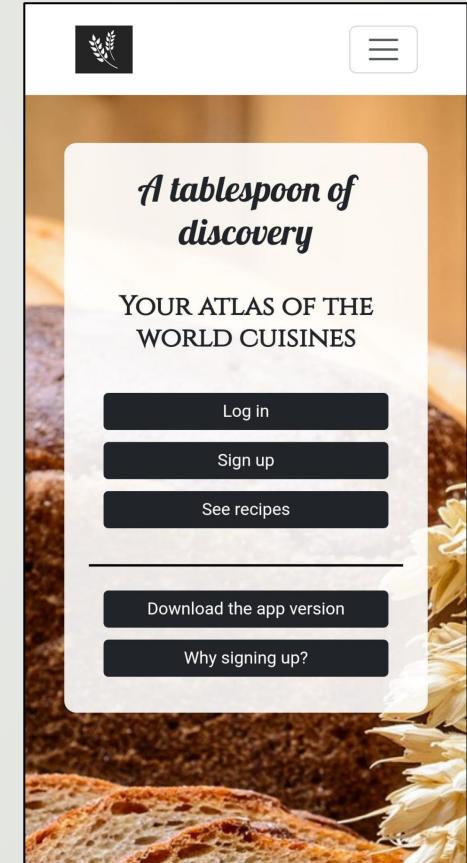
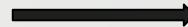
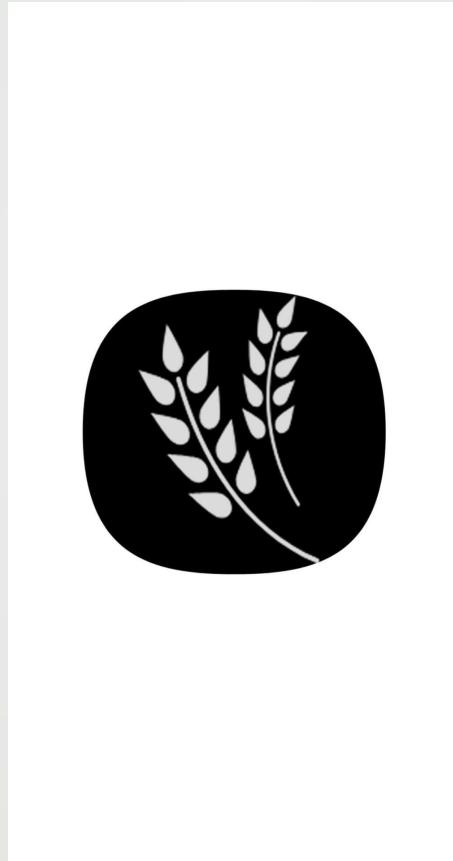
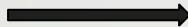
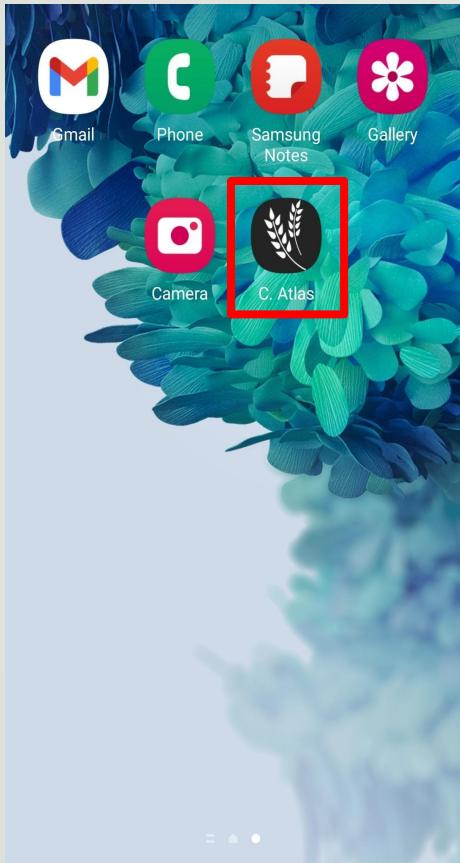
WHAT WAS THE GOAL

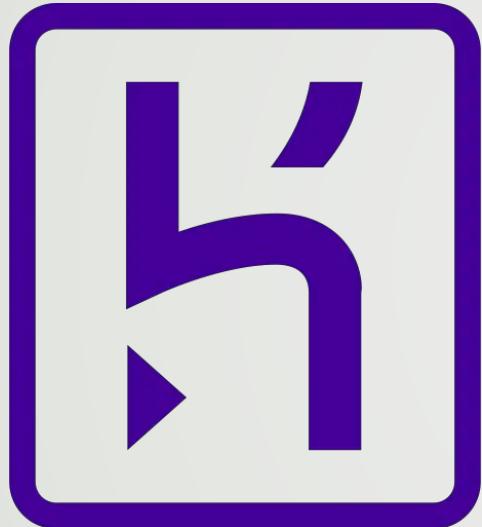
Implementing code to allow users to download the web app on their desktop or their mobile in a very simple way.

APP INSTALLED ON DESKTOP



APP INSTALLED ON MOBILE





Deploying the web app

Skills used

Research

WHY WAS THIS STEP IMPORTANT

Making the web app accessible to the world was essential to ensure that users could use it.

WHAT WAS THE GOAL

Deploying the web app on a web server (Heroku). In order to do so, I:

- **Updated the app to make it ready for hosting**
 - This included adding a Procfile file to the directory, installing Gunicorn (the HTTP server for WSGI), configuring a new database set up (since the default SQLite database can't be used on Heroku), installing WhiteNoise package to allows Django to serve static files and so on.
- **Configured the hosting service client and server (Heroku)**
 - This included changing the default name of the app generated by Heroku, setting up the Config Vars, and running tests to make sure everything behaved as expected.



10

Finalizing code revision and
refactoring

Skills used

Critical thinking

WHY WAS THIS STEP IMPORTANT

Ensuring that the codes are optimized, and that the final product is in its best version was a logic thing to do by the end of this project.

WHAT WAS THE GOAL

Reviewing each code to make sure everything was optimized as much as possible in order to facilitate future modifications, additions or adjustments to the web app.

Adding comments and clarification points in the code where important for the benefit and better understanding of anyone else who may work on this project later.

CHALLENGES OR SPECIAL POINTS OF CONSIDERATION

I positioned myself from the point of view of future colleagues who could work on this project. How can I make this project and these codes as clear as possible to promote its easy appropriation? I reviewed each file to bring improvements in certain places and add comments where I thought it could be useful.

README .

md

11

Completing the README document

Skills used

Communication
Content writing

WHY WAS THIS STEP IMPORTANT

Ensure the project is well documented and easily accessible by anyone interested.

WHAT WAS THE GOAL

Updating and completing the README file located in the Recipe app Django repository. The goal was to ensure that all relevant information regarding this project is accessible under these four categories:

- Project description
- User interfaces
- Technical aspects
- App dependencies

CHALLENGES OR SPECIAL POINTS OF CONSIDERATION

Finding the right balance between giving the right level of information, while remaining as synthetic as possible. To help me, I made a first draft, which I then modified at times. I also drew inspiration from other READMEs I've consulted for similar projects and for which I found that the information presented was relevant.

DECISIONS MADE

I wrote the README documentation from A to Z, in terms of content, presentation and structure.

README SAMPLE - FULL VERSION ON GITHUB

README

Python recipe app (Django version)

Table of content

- [Project description](#)
- [User interfaces](#)
- [Technical aspects](#)
- [App dependencies](#)

Project description

This project (A tablespoon of discovery - Cuisine Atlas) is a full-stack web application built with Django. This recipe web app was created to serve as a central hub for international cuisine lovers. Users can go on the web app and access many recipes from all around the globe, search for recipes by name or via advanced search, and even submit their own recipe. Users can also create an account for a more complete experience, such as being able to create their own private recipes, add recipes to their favorite and comment recipes publicly.

This web app can be broken down in the five following points:

- Who — For any users who would like to access international recipes and try different dishes in a simple and