User Manual

1. Essential System Environments

- **Required Software**:
    - Python 3.10 or higher
    - SQLite3
    - Node.js
- **Python Libraries**:
    - Flask
    - JSON
    - bcrypt

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2. Deployment Instructions

Step-by-Step Instructions:

Clone the repository:

 git clone

Navigate to the project directory:

 cd <project-directory>

Install dependencies:

 pip install -r requirements.txt

A certain way of file organization must also be followed as described and shown in the figure below:

- The main file will contain the Database and Python files
- 2 files must be created within this main file: static and templates
- Within "templates", the .html file must be placed
- Within "static" another 2 files must be created: css and js
- Within js, the .js file must be placed
- Within css, the .css file must be placed

The main file:

Name	Date modified	Type	Size
.git	12/7/2024 7:28 PM	File folder	
__pycache__	12/8/2024 11:58 AM	File folder	
instance	12/7/2024 7:51 PM	File folder	
static	12/7/2024 5:59 PM	File folder	
templates	12/7/2024 5:59 PM	File folder	
venv	12/6/2024 6:43 AM	File folder	
app	12/9/2024 12:14 AM	Python Source File	17 KB
config	12/7/2024 1:34 PM	Python Source File	1 KB
cookbook_dtb	12/7/2024 8:05 PM	File	0 KB
cookbook_dtb	12/9/2024 12:14 AM	Data Base File	52 KB
cookbook_dtb.db-x-user-7-user_passwor...	12/9/2024 12:15 AM	BIN File	1 KB
requirements	12/9/2024 12:16 AM	Text Document	1 KB

The "templates" file:

Name	Date modified	Type	Size
index	12/8/2024 10:05 PM	Brave HTML Docu...	8 KB

The "static" file:

Name	Date modified	Type	Size
css	12/7/2024 5:59 PM	File folder	
js	12/7/2024 5:59 PM	File folder	

The "css" file:

Name	Date modified	Type	Size
style	12/8/2024 9:32 PM	Cascading Style S...	7 KB

The "js" file:

Name	Date modified	Type	Size
script	12/8/2024 10:04 PM	JavaScript File	27 KB

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3. How to Use

Features Overview:

1. **User Login**
   - Upon launch of the website, a login page will appear
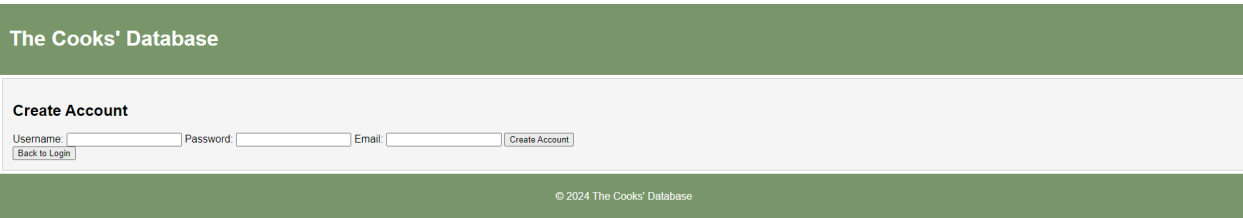
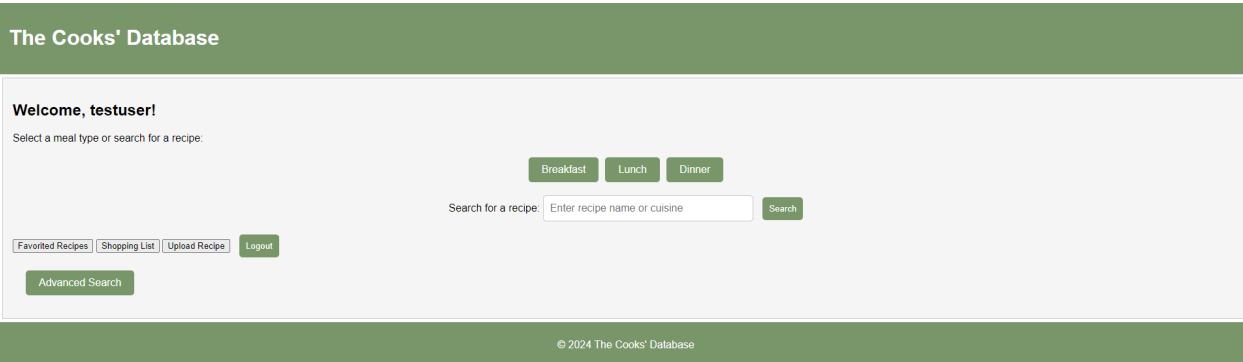**The Cooks' Database**

Login

Username:

Password:

Login

Create Account

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   - There will be a "create account" button to create an account (Password will be encrypted using bcrypt)

○ Upon creation, entering in the new username and password will grant access to the website
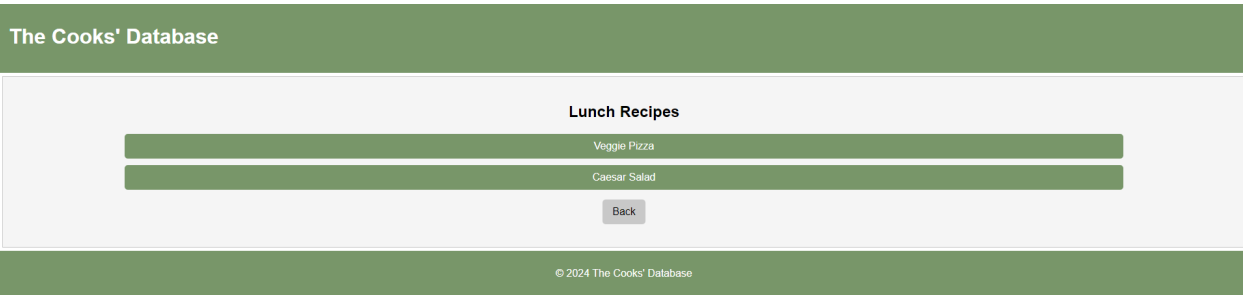

2. **Categorization:**
    ○ Within the center of the home page are 3 buttons
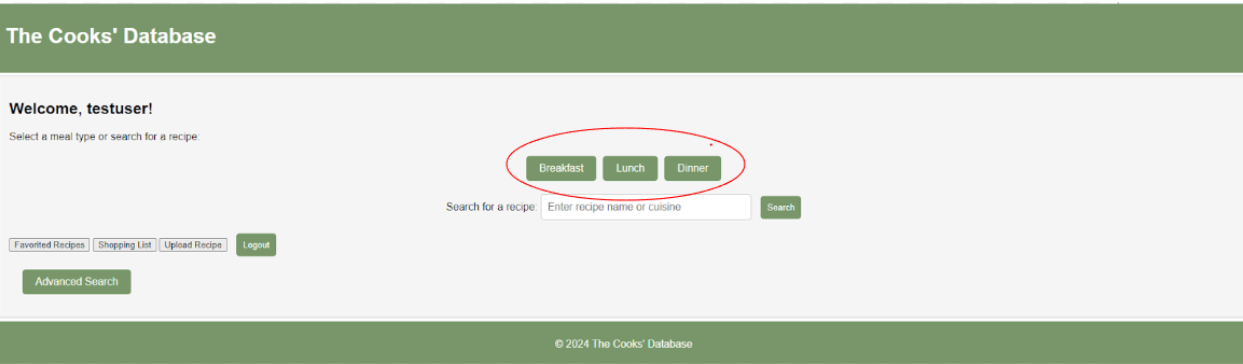
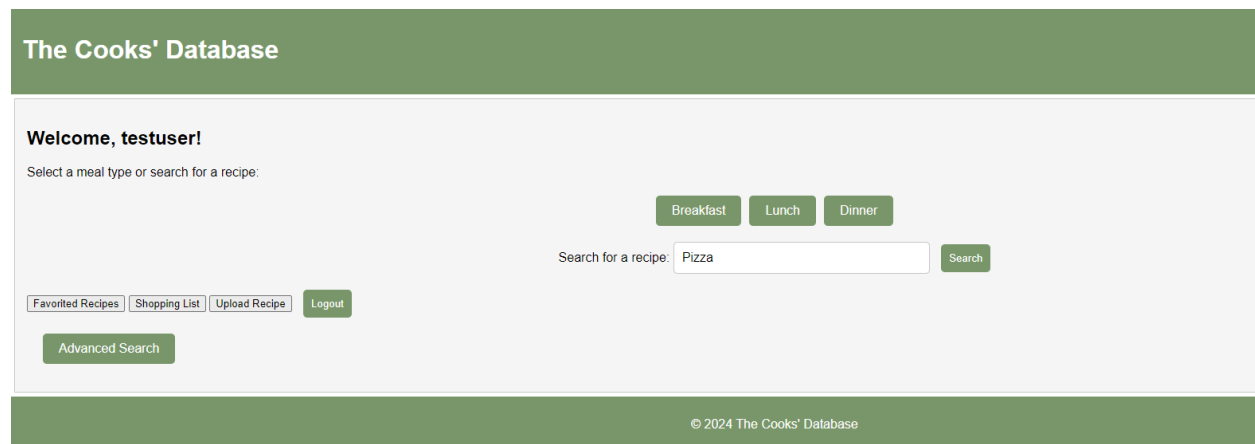○ Clicking each button will lead to a set of recipes for that given meal
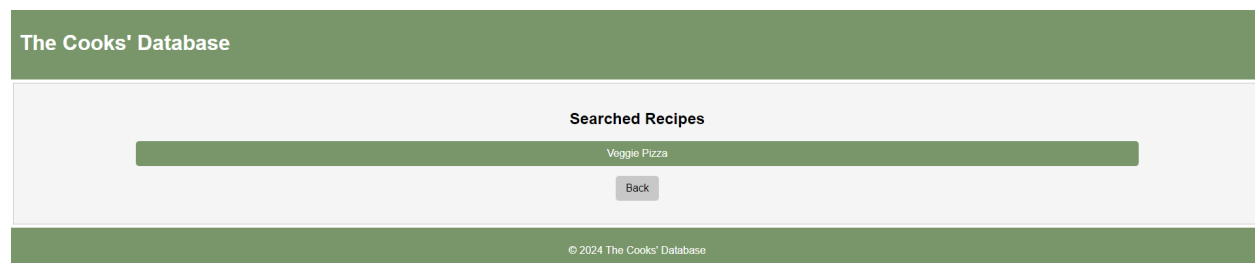
3. **Recipe Search**:
   ○ Navigate to the search bar in the center of the home page.

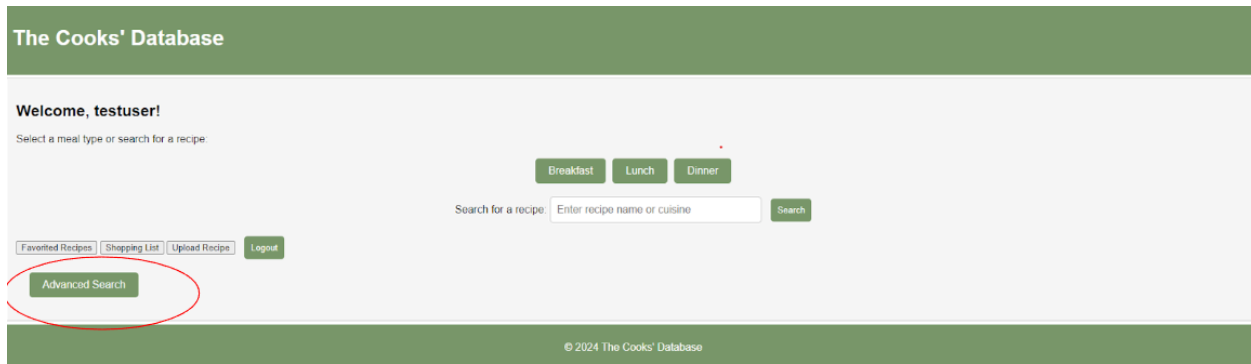   ○ Enter the name of the recipe you would like to search.

   ○ Review the search results and click on a recipe for detailed information.

4. **Nutritional Fact Based Search**
   ○ On the bottom left of the home page is the "Advanced Search" button

The Cooks' Database

Welcome, testuser!

Select a meal type or search for a recipe:

Breakfast   Lunch   Dinner

Search for a recipe: [Enter recipe name or cuisine]   Search

Favorited Recipes   Shopping List   Upload Recipe   Logout

Advanced Search

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- ○ Clicking on it will show a search based on macro nutritional requirements that the user would like to filter based off

Search by Nutrition Facts

Protein (min):
0

Protein (max):
100

Fat (min):
0

Fat (max):
100

Carbs (min):
0

Carbs (max):
100

Calories (min):
0

Calories (max):
1000

Search

- ○ After entering the values, clicking search will filter the recipes based on the provided criteria

5. **Recipe Details and Nutrition Information**:
   ○ From search results, click a recipe to view its ingredients, cooking time, and nutritional facts.

   ○ Clicking on the "Add to Favorites" button will add the recipe to the User's favorites list

6. **Comments Management and Rating System**:
   ○ In the recipe details, click "View Comments" on the bottom left to see user feedback.

- ○ Add a new comment by clicking "Add Comment", entering a rating and comment text, then submitting.

7. **Favorites List**
   - ○ Users can have a list of their favorite recipes by clicking on the "Favorited Recipes" button
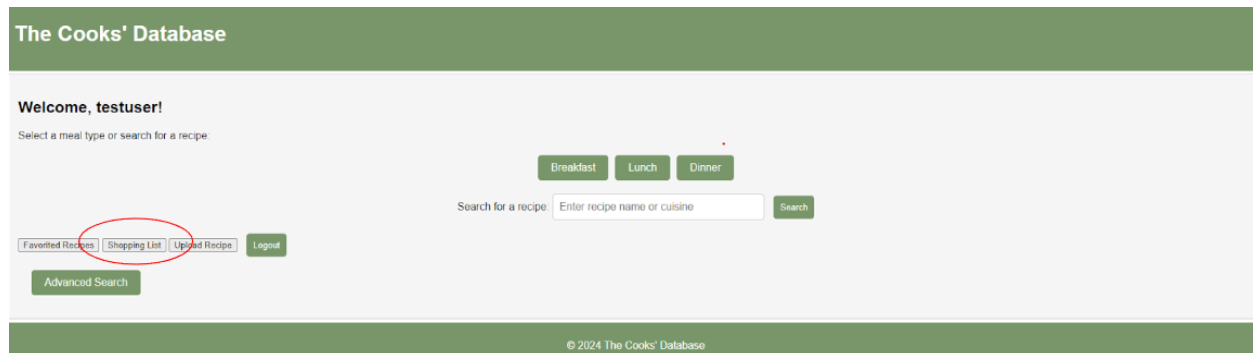

   - ○ This tab will list all of the user's favorites recipes

8. **Shopping List**
   - On the bottom left of the home page, there will be a "Shopping List" button

   - This tab will show a shopping list for the user based on the User's favorited recipes

9. **Recipe Upload**
   - On the bottom left of the page, there will be a "Upload Recipe" button for the user to upload their own recipe

○

○ Users can add ingredients to the recipe by clicking "Add Ingredient" and adding the name and the necessary amount

○ The user will have to fill in all of the respective textboxes with the information required and can submit recipe by clicking the "Upload Recipe" button