

User Manual for Recipe Application

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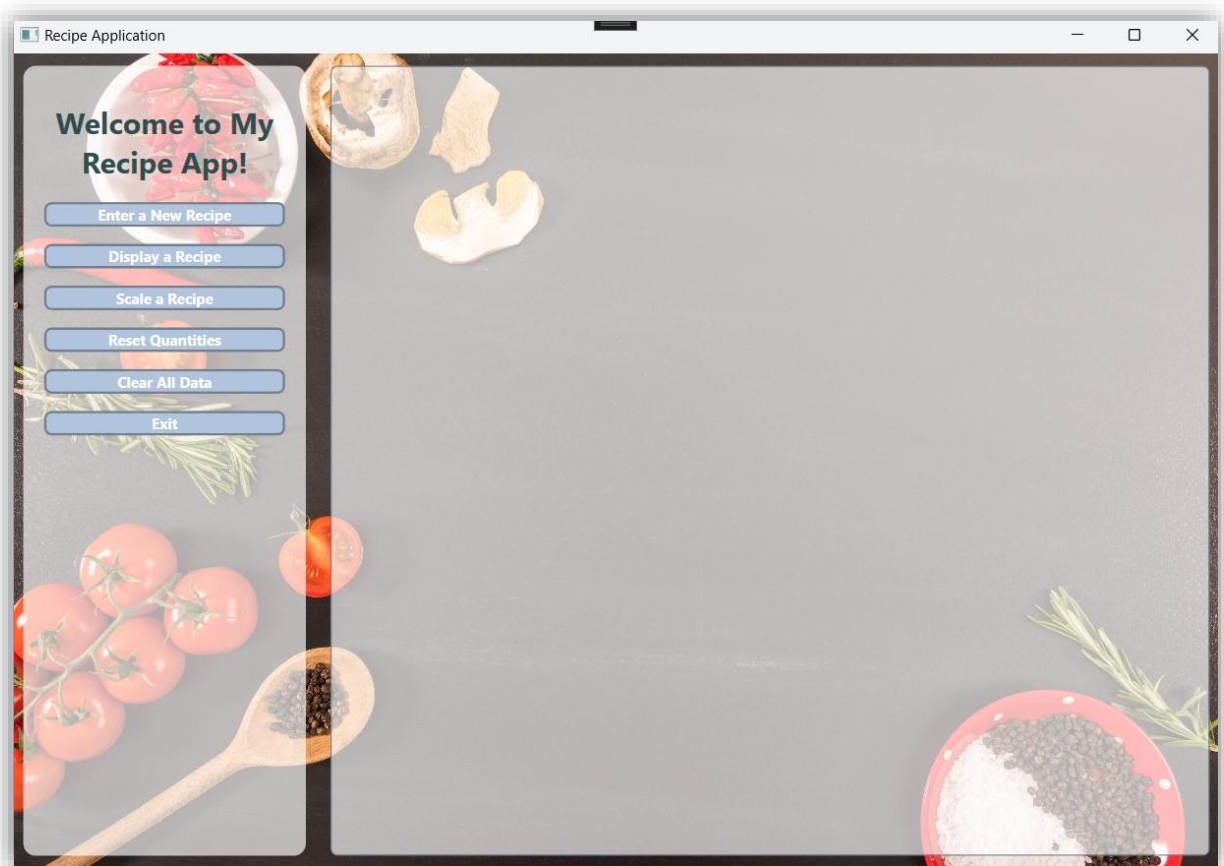
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Introduction

Welcome to the user guide for my Recipe Application! Cooking will become easier and more enjoyable as you follow this guide through the features of my application. Easily manage, view, scale, and reset recipes with our easy to use application, ensuring that you don't miss anything out when cooking. Let's get started and learn how to maximize your culinary endeavours!

Main Menu

Upon launching the Recipe Application, you will be greeted with the main menu. Here, you will find several options to navigate through the application's features:



- 1. Enter a new Recipe:** To add a new recipe to the program, select this option. A user-friendly interface will assist you in entering all the required information about your recipe, such as ingredients and cooking steps.
- 2. Display a Recipe:** Click this button to see every recipe that's presently saved within the app. A list of recipes will be displayed to you in alphabetical order, each with important information like the number of ingredients and steps. To view a recipe's ingredients and steps, click on it.

3. **Scale a Recipe:** Using this option, you can scale a recipe according to a given factor such as 0.5, 2 and 3. The Scale Recipe function allows you to easily scale your recipes to fit your needs, whether you're changing the serving size or just want to try different amounts.
4. **Reset Quantities:** This feature allows you to return the ingredient amounts in a recipe to their starting points. It's useful if you want to start over or fix any errors in the quantity modifications you made.
5. **Clear All Data:** Choose this option if you want to remove all the recipe data that has been saved by the application. Take caution, as there is no way to reverse this action, as it would permanently remove all recipes.
6. **Exit:** Finally, click on this option to exit the Recipe Application.

Entering Recipes

Navigate to the "Enter a new Recipe" button from the main menu and click on this option. This will open the interface for adding a new recipe.

Recipe Application

Welcome to My Recipe App!

- Enter a New Recipe
- Display a Recipe
- Scale a Recipe
- Reset Quantities
- Clear All Data
- Exit

Enter Recipe Details

Recipe Name
Pancakes

Number of Ingredients
6

Number of Steps
5


Add Ingredients

Add Steps

Save Recipe

Fill in Recipe Details: You'll be prompted to enter details about your recipe, such as its name, number of ingredients, and number of steps. Provide a descriptive name

for your recipe to easily identify it later. After clicking the on the “Add ingredients” you will be prompted that number of times to enter all the ingredients details and can then move onto the steps after the ingredients have been entered.

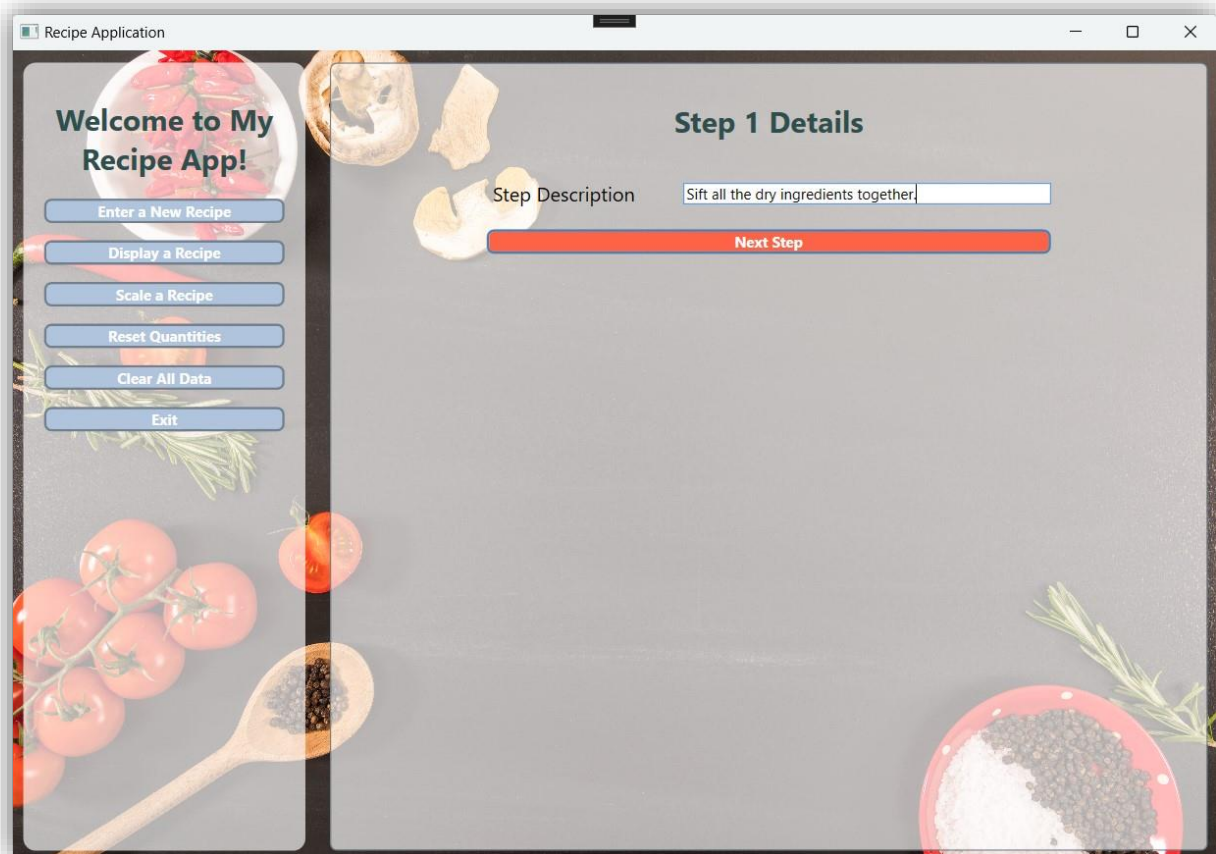


The screenshot shows a web application window titled "Recipe Application". The interface is divided into two main sections. On the left, under the heading "Welcome to My Recipe App!", there is a vertical list of seven blue buttons: "Enter a New Recipe", "Display a Recipe", "Scale a Recipe", "Reset Quantities", "Clear All Data", and "Exit". The right section is titled "Ingredient 1 Details" and contains a form for entering ingredient information. The form fields are as follows:

Field Label	Value
Ingredient Name	flour
Quantity	375
Unit of measurement	grams
Calories	30
Food Group	Starchy foods

Below the form fields is a prominent red button labeled "Next Ingredient". The background of the application window features a collage of various food items, including tomatoes, a wooden spoon with seeds, and a bowl of rice and lentils.

After successfully entering all the ingredients and their details you will be redirected to the recipe details page where you can click the button to “Add Steps”. When clicked you will be prompted x number of times depending on the number of steps you want to enter.



Once you've entered all the necessary details, click on the "Save Recipe" button to save your recipe. You can now access it later from the main menu under the "Display Recipe" option.

Display Recipes

Navigate to "Display a Recipe" button and from the main menu, click on this option. This will open a window showing the ability to filter recipes based on a ingredient name, food group and max calories of the left side and the displaying of all your available recipes on the right side with their total ingredients and steps.

Display Recipes

Filter Recipes

Enter the name of the ingredient:

Choose a food group:

Enter max number of calories:

Filter

Pancakes

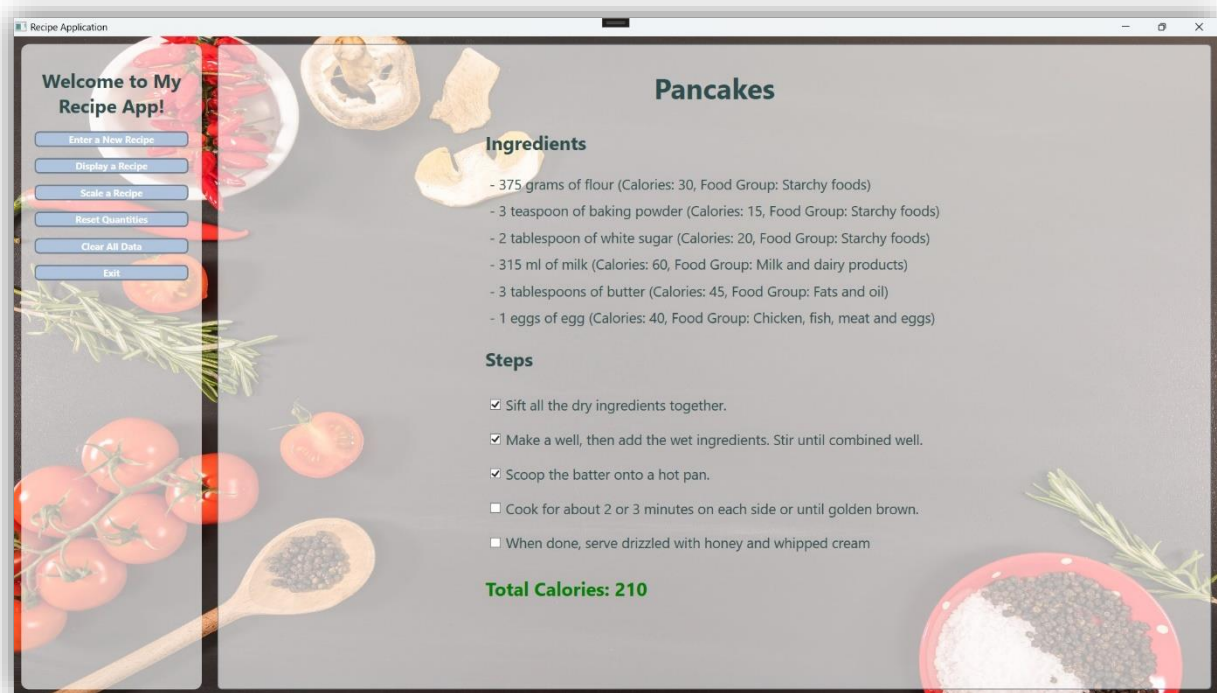
Available Recipes

Pancakes | Ingredients: 6 | Steps: 5

Regarding the filtering functionality, we can enter any ingredient name and it will search through and find if it matches any in the list of available recipes. If it finds an ingredient which is in a recipe after clicking on the filter button, the recipe will be successfully shown under the filter button and if not, it will say “no available recipes to display”. The same functionalities can be done for the food group, as a drop-down menu will appear for the user to choose from. Regarding the max calories, here the user will enter a max number of calories that the recipe should not exceed, and it will display all those recipes.

All of the recipes you entered into the application are listed on the right side under Available Recipes. Every recipe has its name displayed along with its total number of ingredients and steps.

Select a Recipe: To view the details of a specific recipe, click on its name in the list. This will open a detailed view of the selected recipe, showing its name, ingredients and all their details, cooking steps which can also be marked off when completed, and total calories. If the total amount of calories exceeds 300 then a warning message will appear and if the calories are under the limit, then no message will be displayed.



Examine Recipe Details: You can view the recipe's ingredients and steps by seeing it in its detailed view. The ingredients and steps are laid out in an understandable, neat manner, and the ingredients have been included along with their amounts, measurements, food groups and calories.

Check Total Calories: The recipe's complete calorie count can be seen at the bottom of the recipe view. This makes it easier for you to monitor the nutritional value of your meals.

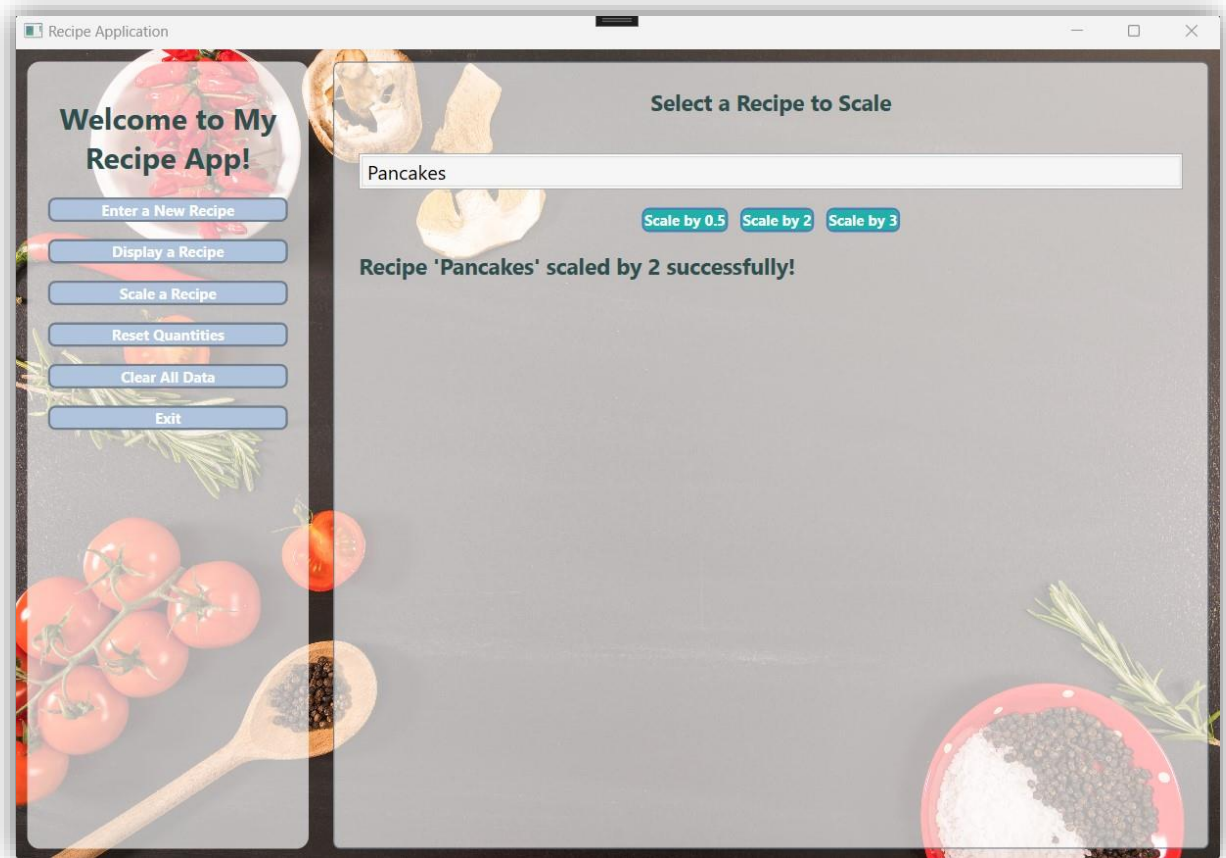
When you're finished viewing the recipe, you can now perform other functionality as in the main menu or even add more recipes as needed.

Scaling Recipes

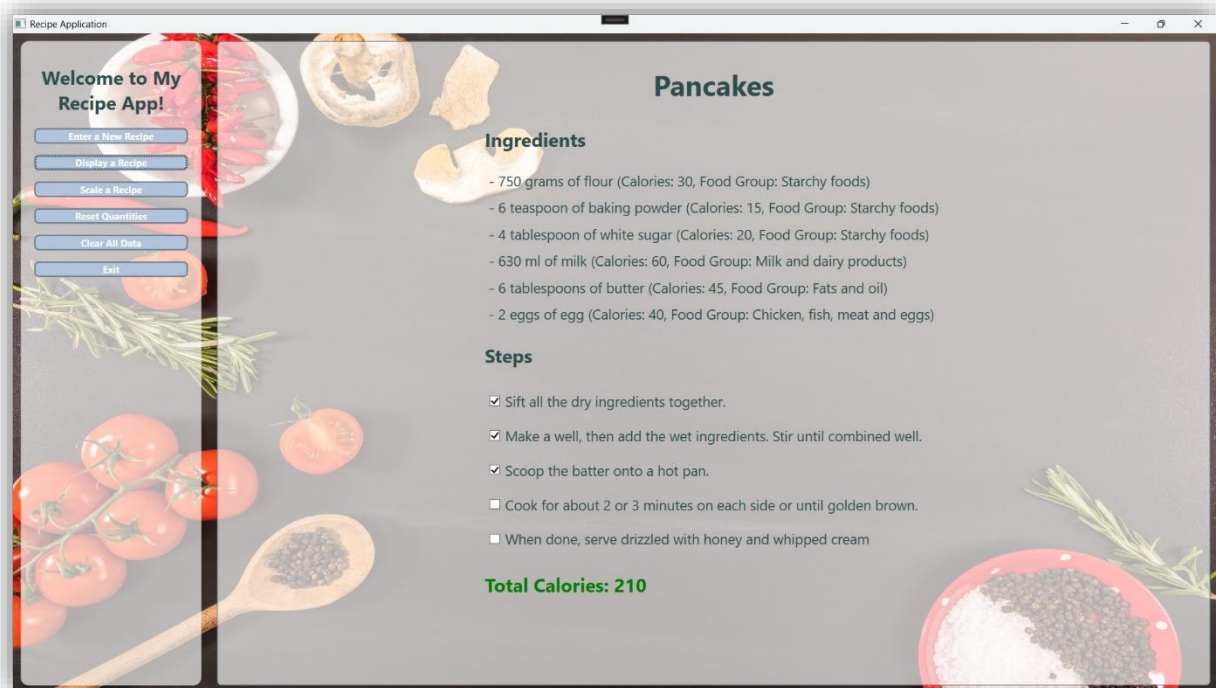
Navigate to the "Scale a Recipe" Button: Begin by locating and clicking on the "Scale a Recipe" button in the main menu of the application. This option is designed to help you adjust the quantities of ingredients in a recipe to suit your needs. When you click the "Scale a Recipe" button, a window on the right side will appear for you to select the recipe you wish to scale. You can choose the required scaling factor such as by half, by two or by three which appears after the recipe.

Choose the Scaling Factor: Once you've selected the recipe, you'll be allowed to choose a scaling factor. The application offers three options: scaling by half, by two, or by three. Select the desired scaling factor based on your preferences and requirements.

Once clicked on the chosen scaling factor for the recipe it will say a message that you have successfully scaled the recipe by that given factor. Based on the chosen factor, the program will then appropriately change the ingredient amounts to match your change.



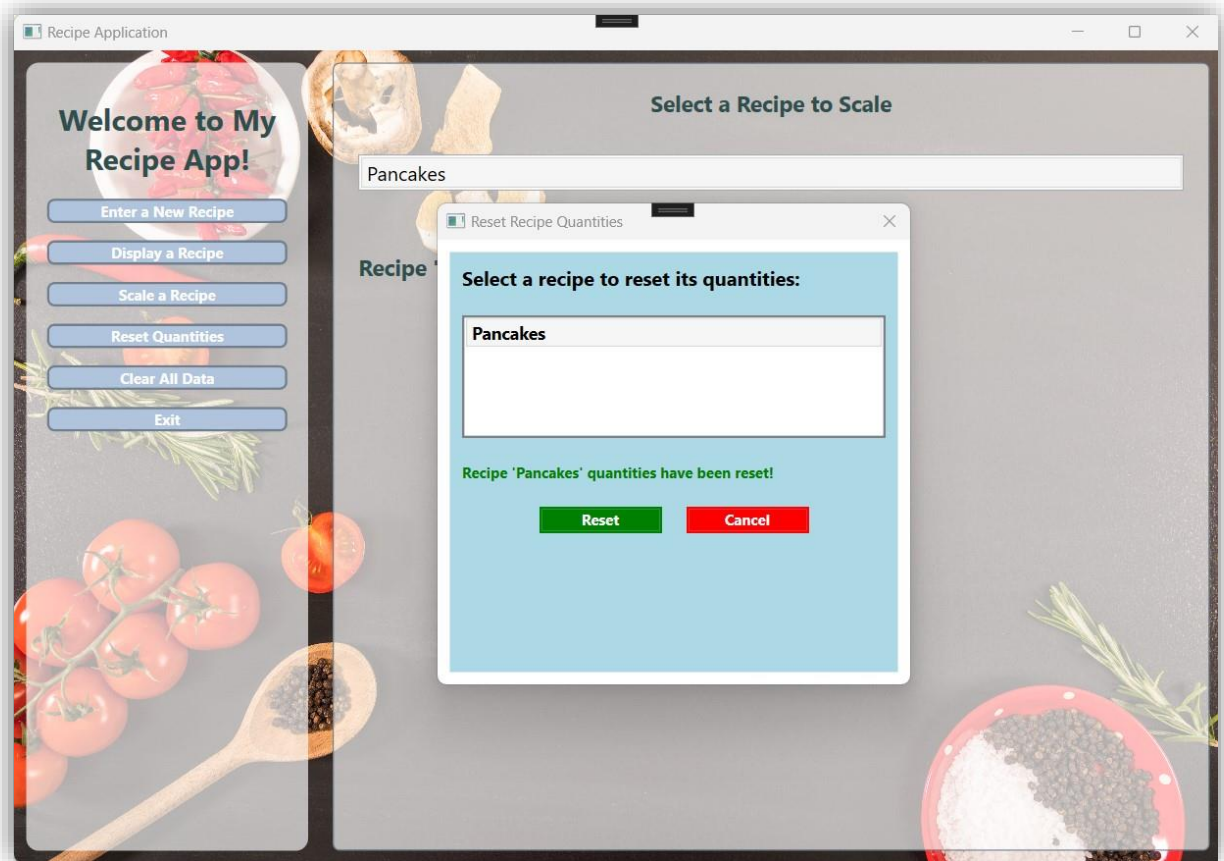
View Scaled Recipe: To then view the changes made to the recipe, navigate back to the main menu and click on the "Display a Recipe" button. Select the recipe you scaled, and the application will display the updated ingredient quantities based on the scaling factor you chose.



Resetting Quantities

You may easily reset the quantities in the Recipe Application to their initial values, which will allow you to change the amounts of ingredients in a recipe. How to reset amounts is as follows:

Go to the "Reset Quantities" button in the main menu. Then find and select the "Reset Quantities" button from the application's main menu. This feature is intended to help you in restoring the ingredient quantities in a recipe to their initial amounts.



Select the Recipe: After clicking the "Reset Quantities" button, a window will appear displaying a list of available recipes. Choose the recipe for which you want to reset the ingredient quantities by selecting it from the list.

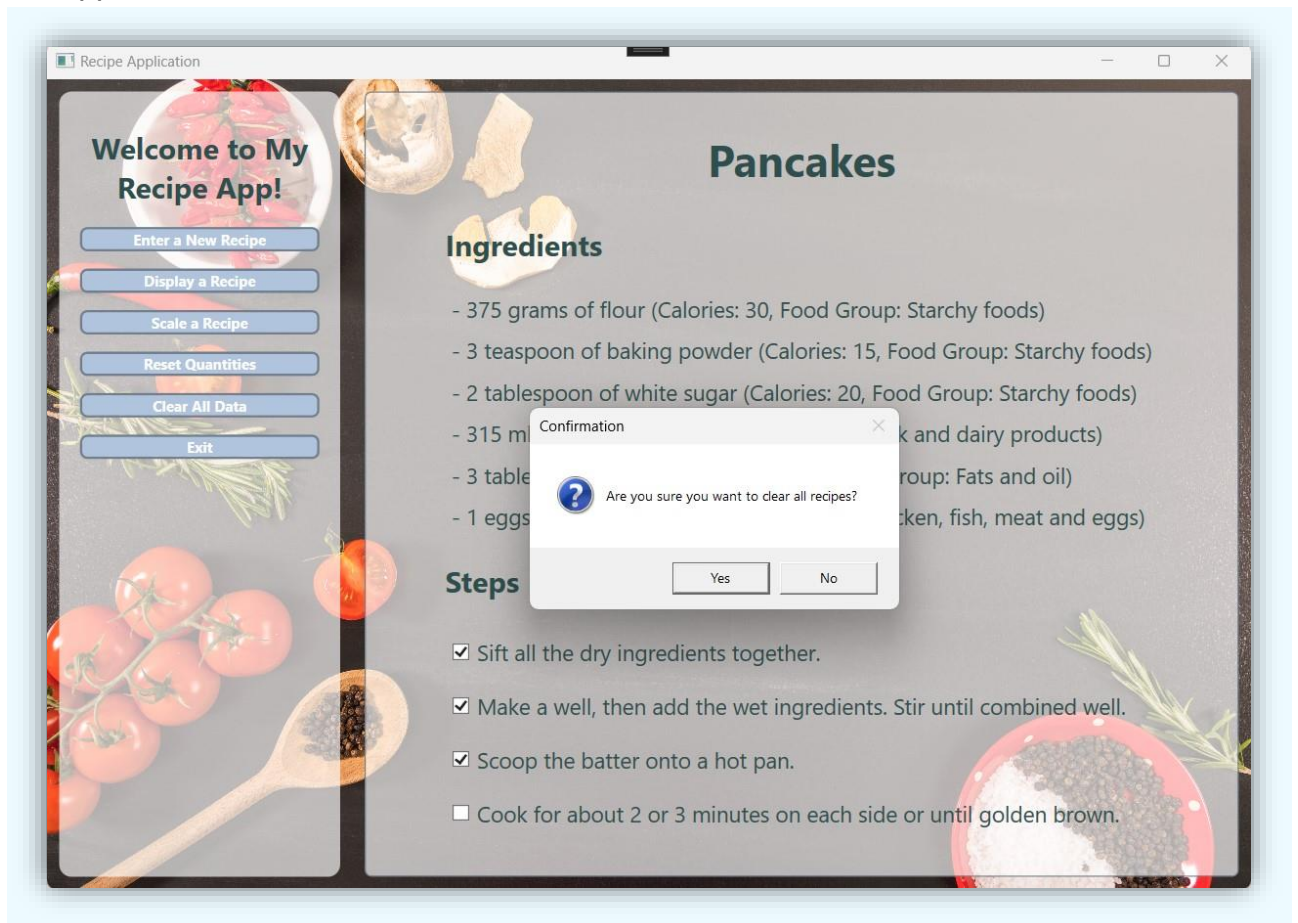
Confirm Reset: Once you've selected the recipe, confirm your choice to reset the ingredient quantities or cancel to avoid resetting the values back to their original. Click the "Reset" button to proceed. The application will then restore the quantities of all ingredients in the selected recipe to their original values.

View Updated Recipe: Return to the main menu and click on the "Display a Recipe" button to view the revised recipe with the reset quantities. Select the recipe you reset, and the application will display the original ingredient quantities as initially entered.

Clearing data

Clearing data in the Recipe Application allows you to remove all recipes from the application, providing a fresh start for managing your recipes.

Navigate to the "Clear Data" Button: Locate and click on the "Clear Data" button in the main menu of the application. This option is intended to clear all recipe data from the application.



Confirm Clearing Data: After clicking the "Clear Data" button, a confirmation prompt will appear asking if you're sure you want to clear all recipes. Click "Yes" to proceed with clearing the data or "No" to cancel the operation.

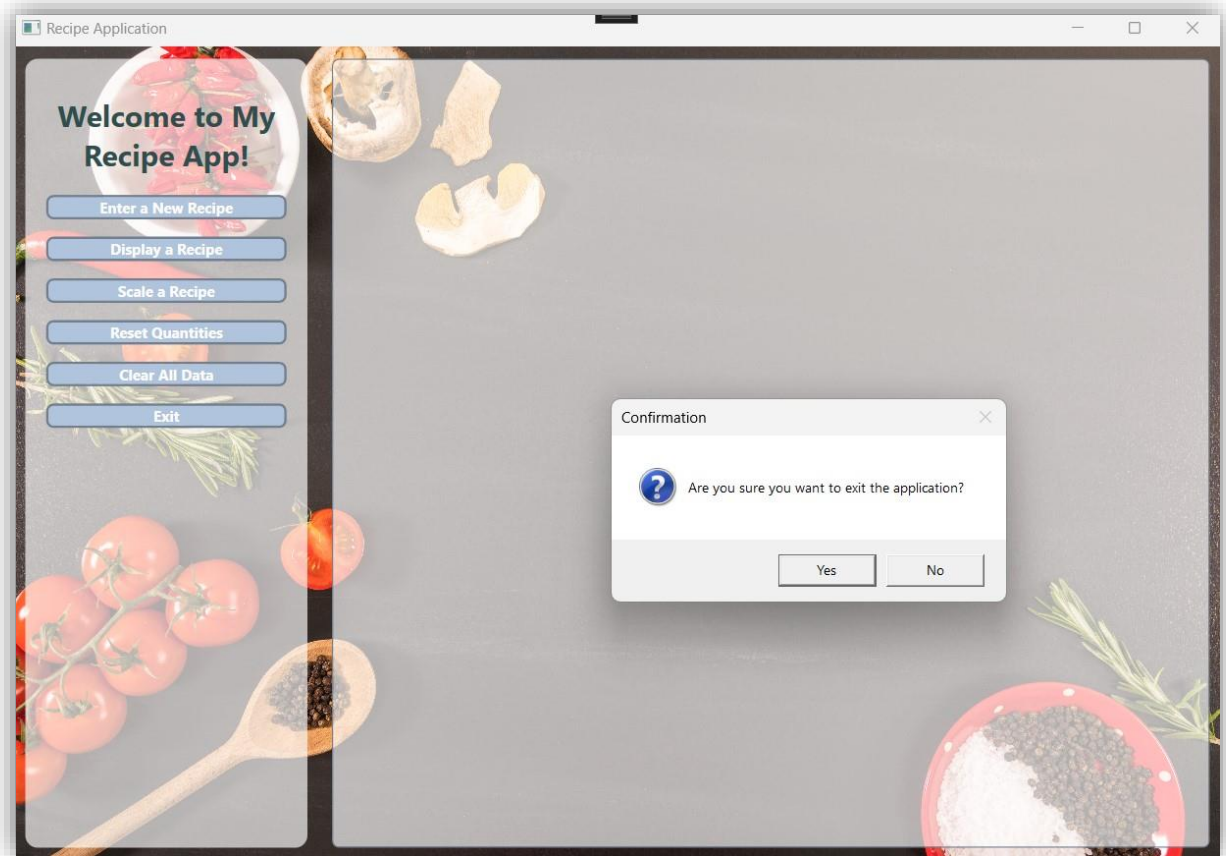
View Confirmation Message: Once you've confirmed the action, a message will appear indicating that all recipe data has been cleared successfully. And if you want to view any recipes now, when the "Display a Recipe" button is click it should say that there are no available recipes to display.

Exiting the Application

To exit the Recipe Application, follow these simple steps:

Click on the "Exit" button: Locate the "Exit" button in the main menu of the application.

Confirm Exit: Upon selecting the "Exit" button, a pop-up window will ask you to confirm that you wish to close the program. Click "Yes" to continue with the application's exit, or "No" to stop it.



Application Closed: The Recipe Application will then close, and you'll be taken back to your desktop or the code section for the Recipe Application in your code editor.

Conclusion

In conclusion, the Recipe Application makes it easy to manage your cooking ideas. It's simple to use and has lots of helpful features like adding and viewing recipes, changing ingredient amounts, clearing everything, and closing the app. This application assists you in organizing and working with your recipes, regardless of your level of experience in the kitchen. I hope that this guide has made it easier for you to understand and use the application. Have fun in the kitchen!