SANELE'S RECIPE BOOK APPLICATION

USER MANUAL

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Introduction

Welcome to Sanele's Recipe Book Application! This user manual is designed to help you navigate and utilize the features of the application efficiently. Whether you're an experienced cook or just starting your culinary journey, this guide will assist you in making the most out of Sanele's Recipe Book.

Purpose of Manual

The purpose of this manual is to provide clear and concise instructions on how to use each feature of Sanele's Recipe Book Application. It will guide you through the functionalities of the various buttons and windows, ensuring you can enter, manage, and view your recipes with ease.

Overview of Product

Sanele's Recipe Book Application is a comprehensive tool for managing your recipes. It allows you to:

- Enter and save new recipes with detailed ingredients and steps.
- Display recipes to view their details and check off ingredients and steps as you cook.
- Scale recipes to adjust ingredient quantities based on your needs.
- Reset recipes to their original quantities if they've been modified.
- Filter recipes by ingredients, food groups, or calories to find what you need quickly.
- Clear the entire recipe book if you wish to start fresh.
- Exit the application when you are done.

Target Audience

This manual is intended for all users of Sanele's Recipe Book Application. Whether you're a home cook looking to organize your favourite recipes or a culinary enthusiast wanting to try new dishes, this guide will help you utilize the application's features effectively.

Getting Started

Welcome to Sanele's Recipe Book Application! This section will guide you through the initial steps to get started with the application, including system requirements and installation instructions. By following these steps, you'll be able to install and launch the application smoothly.

System Requirements

To ensure optimal performance of Sanele's Recipe Book Application, your system should meet the following requirements:

Hardware Requirements

- Processor: 1 GHz or faster
- RAM: 2 GB or more
- Hard Disk Space: 500 MB free space
- Display: 1024 x 768 resolution or higher

Software Requirements

- Operating System: Windows 7 or later
- .NET Framework: Version 4.7.2 or later
- Windows Presentation Foundation (WPF): Installed with .NET Framework

(Microsoft, 2024)

INSTALLATION INSTRUCTIONS

Installation Instructions

Follow these steps to install Sanele's Recipe Book Application on your computer:

Step 1: Download the Application

1. Visit the repository where Sanele's Recipe Book Application is hosted on GitHub.
2. Download the installation package (typically a .exe file).

Step 2: Install .NET Framework (if not already installed)

1. Download the .NET Framework 4.7.2 or later from the [Microsoft .NET Download](#) page. (Microsoft, n.d.)
2. Run the installer and follow the on-screen instructions to complete the installation.

Step 3: Run the Installer

1. Locate the downloaded installation package for Sanele's Recipe Book Application.
2. Double-click the file to launch the installer.
3. Follow the on-screen instructions to install the application:
   o Accept the license agreement.
   o Choose the installation directory (or use the default path).
   o Click "Install" to begin the installation process.
4. Wait for the installation to complete. This may take a few minutes.

Step 4: Launch the Application

1. Once the installation is complete, you will see a shortcut icon for Sanele's Recipe Book Application on your desktop or in your Start menu.
2. Double-click the icon to launch the application.

Step 5: First-time Setup

1. Upon first launch, the application may prompt you to set up initial preferences or configurations.
2. Follow the prompts to complete the setup.

Now you are ready to start using Sanele's Recipe Book Application! Explore the various features, enter your favourite recipes, and enjoy a seamless cooking experience.

If you encounter any issues during installation, refer to the troubleshooting section in this manual or contact support for assistance.

(Microsoft, 2024)

Colour Code and Themes

Colour Code and Themes

The colour scheme of Sanele's Recipe Book Application features a monochromatic palette of warm browns, evoking a cozy and inviting atmosphere reminiscent of fresh baked cookies and happiness. This choice not only creates a harmonious visual experience across the application but also aligns with the comforting associations of cooking and homemade recipes. The use of browns enhances the application's visual identity, ensuring a consistent and welcoming interface that fosters a positive user experience.

- Color Scheme: Utilizes a warm and monochromatic palette of browns (Background="#efebe9"), enhancing the application's cozy and inviting aesthetic.
- Typography: Employs Cambria font family and bold weights (FontWeight="Bold") for clear readability and emphasis.
- Button Design: Features buttons with a height of 40 pixels, bold text (FontWeight="Bold"), and a contrasting color scheme (Background="#3e2723", Foreground="White") to ensure they stand out as actionable elements.

#3E2723
(62,39,35)

#795548
(121,85,72)

#EFEBE9
(239,235,233)
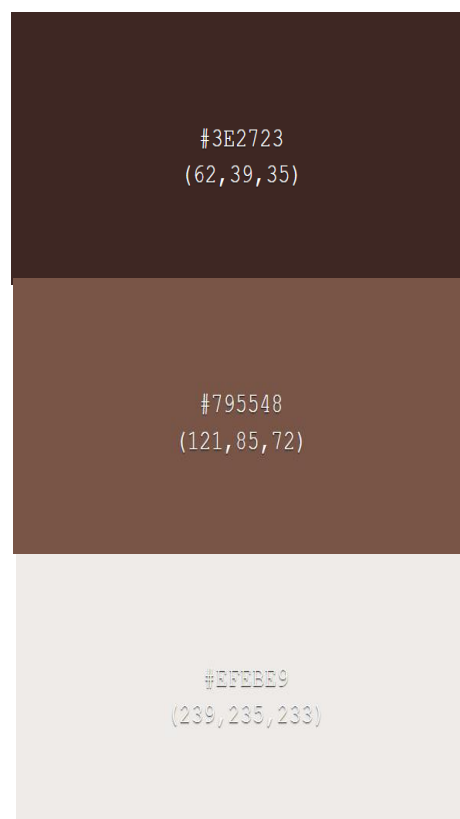
UI DESIGN

UI DESIGN

MainWindow.xaml
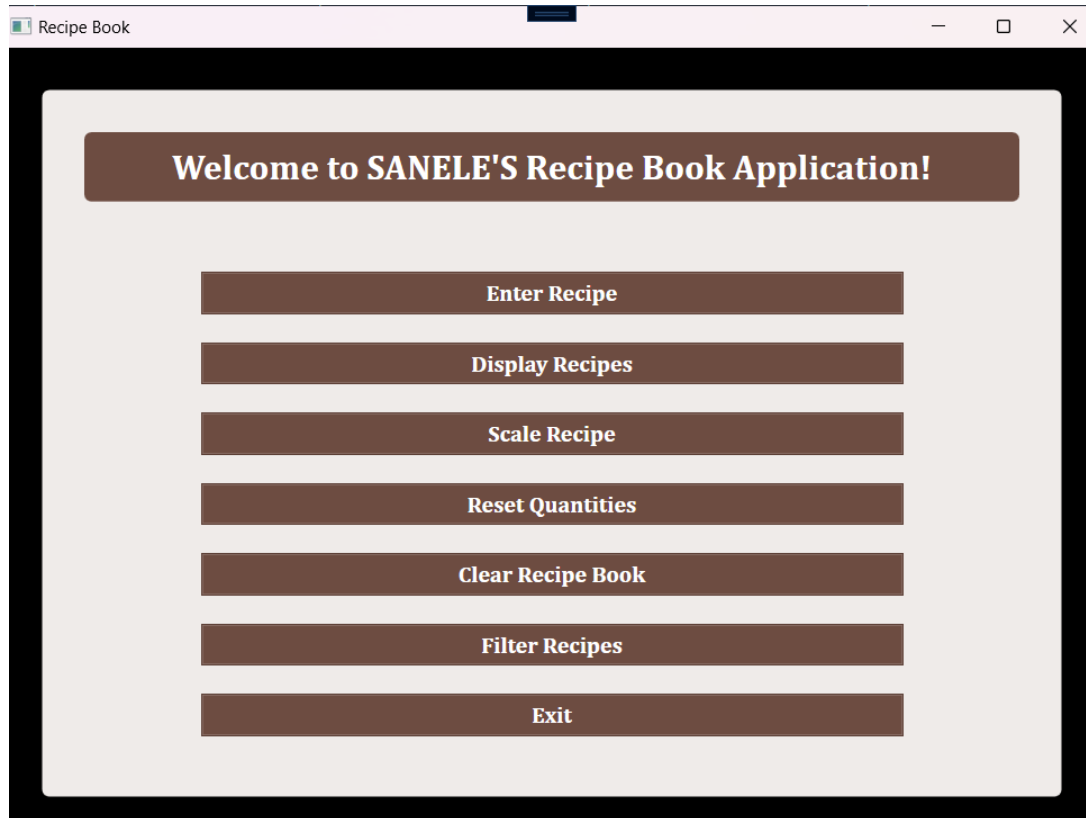
Functionalities of Each Button

Enter Recipe:

When you click the "Enter Recipe" button, a new window will appear allowing you to input the recipe name, list of ingredients, and preparation steps. You can save the recipe or click the back button to return to the main window without saving.

Add Ingredient:

Clicking the "Add Ingredient" button opens a new window where you can enter the ingredient name, quantity, unit of measurement, calories, and food group. All fields must be completed to proceed. Use combo boxes for selecting units, ingredients, and food groups.

Display Recipe:

The "Display Recipe" button opens a window where you can select a recipe from an alphabetically ordered list. The details of the selected recipe will be displayed, including ingredients, steps, and total calories. A back button will return you to the main window.

Scale Recipe:

The "Scale Recipe" button opens a window where you can choose a recipe and specify a scaling factor (half, double, or triple) to adjust the recipe's quantities. The scaled recipe will be displayed below.

Reset Quantities:

Clicking "Reset Quantities" allows you to select a recipe from a dropdown list and reset it to its original ingredient quantities. The original recipe values will be displayed.

Filter Recipes:

The "Filter Recipes" button opens a window where you can filter recipes by ingredient, food group, or maximum calories. Use the dropdown and text box to enter your filter criteria and click "Apply Filter" to see matching recipes. The "Clear Filter" button will reset the filters.

Clear Recipe Book:

Clicking the "Clear Recipe Book" button prompts a confirmation message. Once confirmed, all recipes will be cleared from the application.

Exit:

The "Exit" button closes the application and stops it from running.

By following this manual, you will be able to efficiently navigate and use all the features of Sanele's Recipe Book Application.
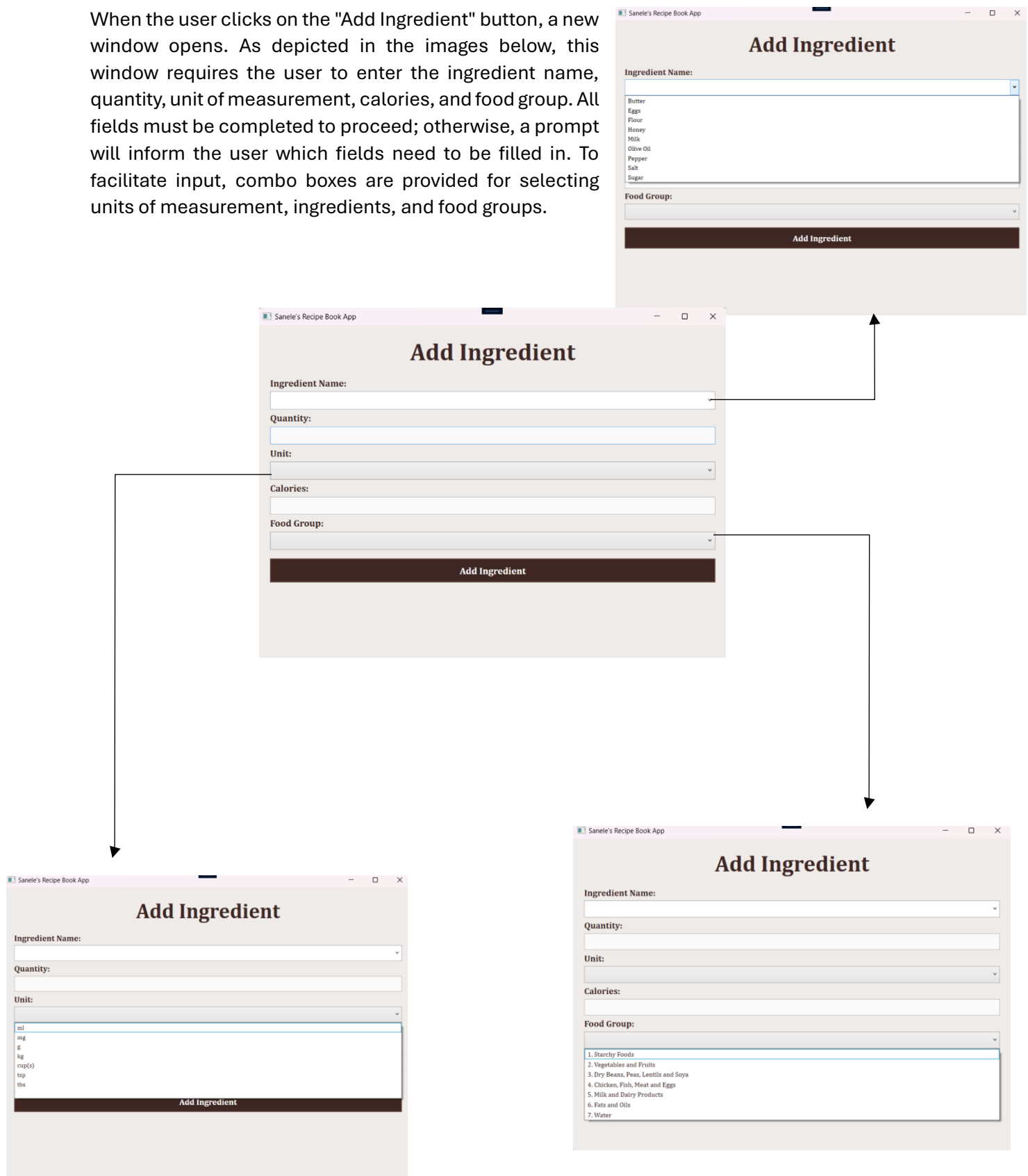
EnterRecipeWindow.xaml

When the user clicks on the "Enter Recipe" button, a new window will appear. This window allows the user to input the recipe name, list of ingredients, and preparation steps. After entering the required information, the user can choose to save the recipe or click the back button to return to the main window/menu screen.

AddIngredientWindow.xaml

When the user clicks on the "Add Ingredient" button, a new window opens. As depicted in the images below, this window requires the user to enter the ingredient name, quantity, unit of measurement, calories, and food group. All fields must be completed to proceed; otherwise, a prompt will inform the user which fields need to be filled in. To facilitate input, combo boxes are provided for selecting units of measurement, ingredients, and food groups.

EnterRecipeWindow.xaml

Recipe Name:

The recipe name can be entered into the textbox.

List of Ingredients:

As ingredients are added to the recipe, they are displayed on the panel to the left. This panel contains the list of ingredients as well as their measurements.

Sanele's Recipe Book App

Enter Recipe

Recipe Name:

Brownies

INGREDIENTS:

Flour: 2 cup(s)
Milk: 250 ml
cocoa powder: 5 tbs

STEPS:

Click here to add an ingredient:

Add Ingredient

Click here to add a step:

Mix all ingredients together

Add Step

Save Recipe

Back

Adding a Step:

The user can enter an unlimited number of steps to the recipe. All they must do is enter the step, and to save, they must click on the "Add Step" button.

Enter Recipe

Recipe Name:

Brownies

Click here to add an ingredient:

Add Ingredient

Click here to add a step:

Add Step

INGREDIENTS:

Flour: 2 cup(s)
Milk: 250 ml
cocoa powder: 5 tbs

STEPS:

Step 1: Mix all ingredients together
Step 2: pour into a small oven tray
Step 3: Bake for 30 minutes at 180'C

Save Recipe

Back

Sanele's Recipe Book App

Save Button:

The save recipe button will save the recipe so that the user can display, scale, revert, and filter to find the recipe. This window will then close and take the user back to the main window.

Back Button:

The back button will clear the recipe details the user entered. It will not be saved, and the user will return to the main window.

DisplayWindow.xaml
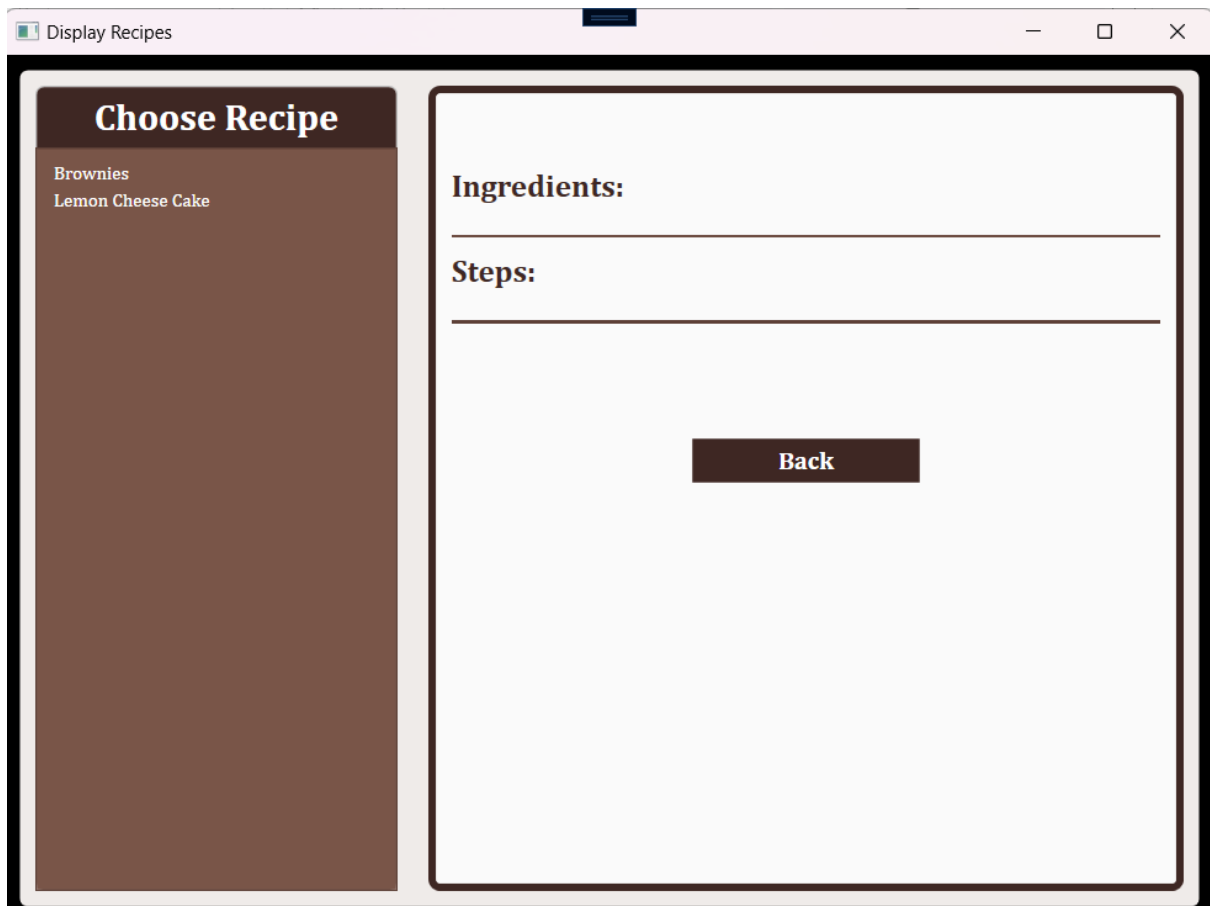
This is the display window. The user would be able to select a recipe from a list of alphabetically listed recipes on the left panel. Once they click on a recipe, the details will be displayed on the right panel.

The back button will close this window, and the user will return to the main window.

Choosing a recipe:

The user can select a recipe from this panel on the left.

All recipes are listed in alphabetical order

Check boxes and steps syntax:

Check boxes are available for users to tick off the ingredients and steps as they cook/bake.

The steps are listed with numbers so users can easily identify where they are in their cooking process

Display Recipes — □ ✕

Choose Recipe

Brownies
Lemon Cheese Cake

Brownies
Ingredients:

☑ 2 cup(s) of Flour (120 calories, 1. Starchy Foods)
☑ 250 ml of Milk (50 calories, 5. Milk and Dairy Products)
☐ 5 tbs of cocoa powder (30 calories, 5. Milk and Dairy Products)

Steps:

☑ Step 1: Mix all ingredients together
☐ Step 2: pour into a small oven tray
☐ Step 3: Bake for 30 minutes at 180'C

Total Calories: 200

Back

Total Calories:

The total calories for each recipe will be calculated and displayed beneath each recipe.

A warning message will be displayed when the total calories exceed 300

Back Button:

This button will exit the display window and the main window will open.

Total Calories: 322
Warning: Calories exceed 300 calories!

ScaleRecipeWindow.xaml

Scale Recipe:

This is the scale recipe window. The user will be able to choose from the list of recipes they entered, as well as a scaling factor:

- 0.5 (half)
- 2 (double)
- 3 (triple)

Scale Recipe

Select a Recipe to Scale

Select Scale Factor

Back   Scale Recipe

Scaled Recipe Details:

Back Button:

The user will return to the main window.

Scale Recipe

Select a Recipe to Scale

fried chicken

Select Scale Factor

2 (double)

Back   Scale Recipe

Scaled Recipe Details:

```
Recipe: fried chicken

Ingredients:
1000 g of chicken (200 cal, 4. Chicken, Fish, Meat and Eggs)
60 mg of mixed spice (20 cal, 2. Vegetables and Fruits)
2 cup(s) of bread crumbs (50 cal, 1. Starchy Foods)
4 cup(s) of Olive Oil (200 cal, 6. Fats and Oils)
250 g of Flour (10 cal, 1. Starchy Foods)
500 g of Milk (10 cal, 5. Milk and Dairy Products)

Steps:
Step 1: combine the mixed spice and flour
Step 2: coat the chicken in the mixture
Step 3: dip the chicken pieces in milk
```

Display:

The scaled recipe will display below as shown in the image.

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ResetRecipeWindow.xaml

Reset Window and Recipe Selection:

There will be a dropdown where the user can choose from a list of all the recipes.
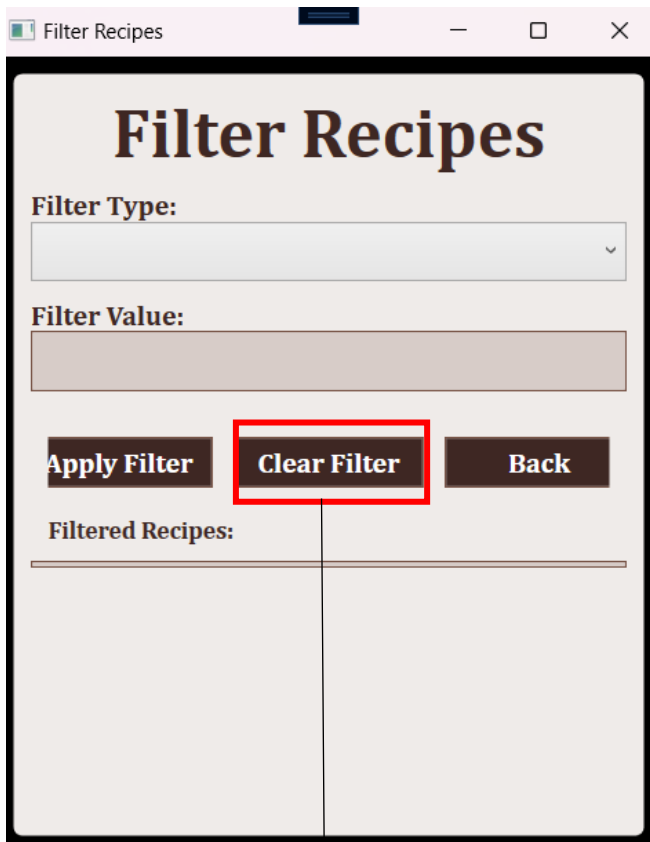
This recipe will be the one getting reset to the original quantities

Display:

Displays the whole recipe with the original values.

FilterRecipeWindow.xaml

Filter Recipes:

This is the filter recipes window. The user can find a recipe they are looking for by searching for specific things included in the recipe.
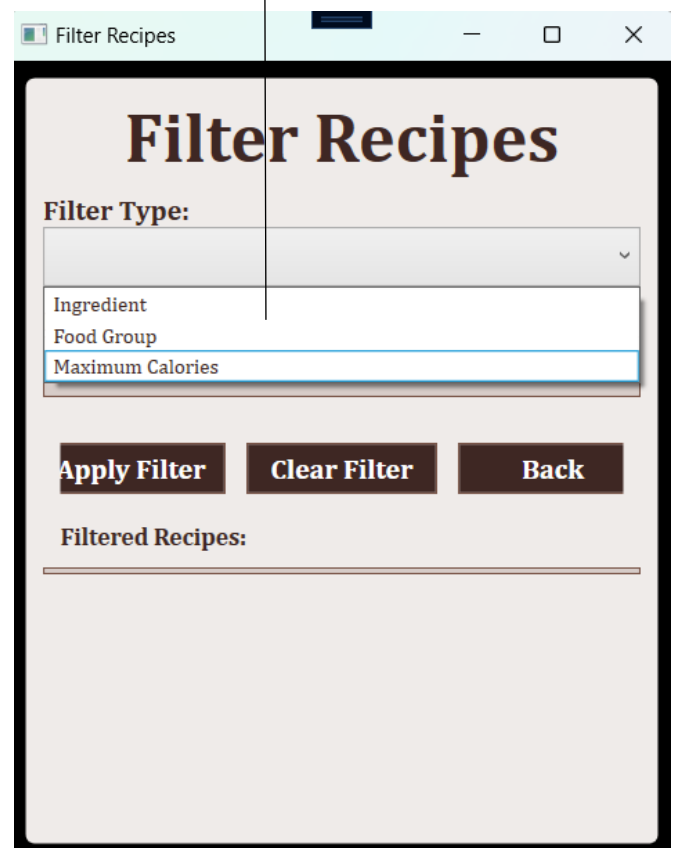
Such as:

- Ingredient
- Food group
- Maximum calories

A dropdown function is available for easy access to this feature, as will as a text box to enter the value the user would like to search for after clicking the "Apply Filter" button.

Clear Filter:

This will make the combo box and text box values empty for the user to make another selection.

It will also remove any instances of recipes that have been used with the first filter.

Filter by Ingredient:

Filters to find the recipes that contains the same letters, or the word provided in the text box relating to the recipe.

Filter Recipes

Filter Type:
Ingredient

Filter Value:
flour

Apply Filter   Clear Filter   Back

Filtered Recipes:
Brownies
fried chicken

Filter by Food Group:

Finds recipes that contains letters or words from the specified and stored food groups.

Filter Recipes

Filter Type:
Food Group

Filter Value:
milk

Apply Filter   Clear Filter   Back

Filtered Recipes:
Brownies
fried chicken
Lemon Cheese Cake

Filter Recipes

Filter Type:
Maximum Calories

Filter Value:
200

Apply Filter   Clear Filter   Back

Filtered Recipes:
Brownies
Lemon Cheese Cake

Filter by Maximum Calories:

Finds recipes that have less than the inputted number of calories.

Clear Recipe book
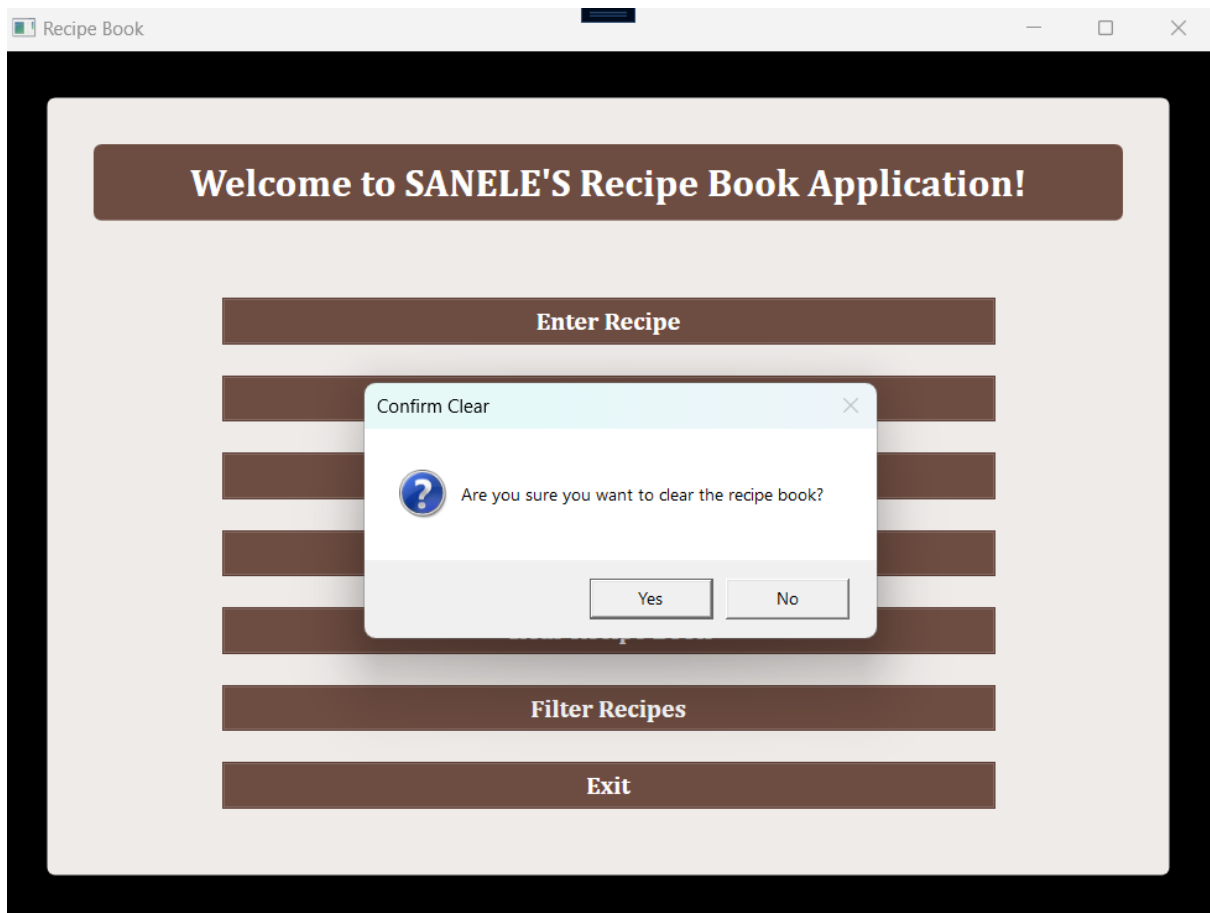

When the user clicks on the "Clear Recipe Book" button, they will get a confirmation message. After approving, all the recipes will be cleared, and there will be nothing to display, reset, scale, or filter.

MainWindow.xaml
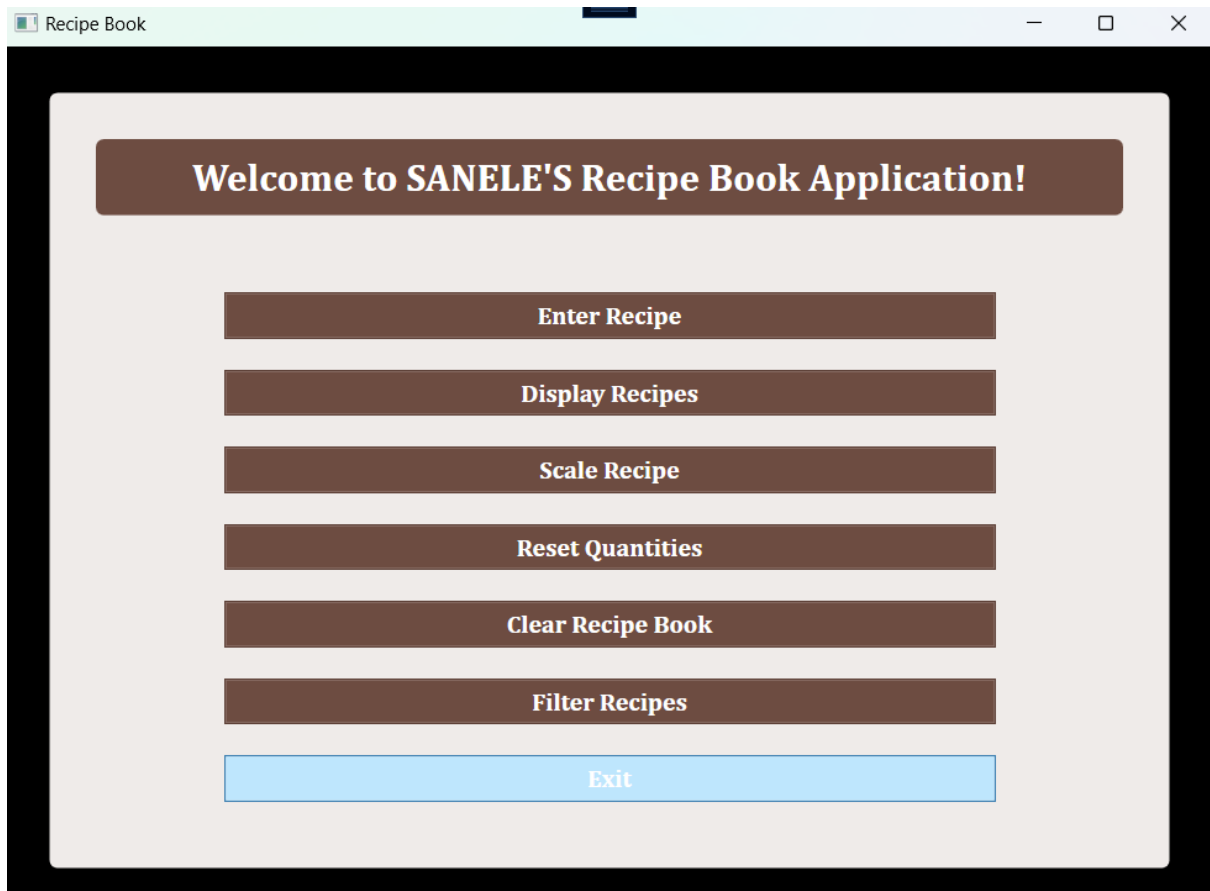
The "Exit" button will close the application and stop it from running.

TROUBLESHOOTING

TROUBLESHOOTING

Installation Issues:	Solution:
1. Application Doesn't Launch After Installation	Ensure that the .NET Framework 4.7.2 or later is installed on your system. Reinstall the application and check for any error messages during installation.
2. Error Messages During Installation	Verify that you have administrative privileges to install software on your computer. Temporarily disable antivirus software, as it may interfere with the installation process.
Application Usage Issues:	Solution:
1. Blank Screen or Unresponsive Interface	Restart the application and check if the issue persists. Ensure that your system meets the minimum hardware and software requirements specified in the user manual.
2. Unable to Add Ingredients or Save Recipes	Ensure that all mandatory fields are filled out in the ingredient and recipe entry forms.
3. UI Elements Not Displaying Correctly	Adjust your screen resolution to ensure that all UI elements are visible and properly aligned. Check for any recent updates to your operating system that may have affected display settings.

CONCLUSION

CONCLUSION

In conclusion, Sanele's Recipe Book Application offers a comprehensive solution for organizing and managing your recipes with ease. This user manual has provided detailed insights into the functionalities and usage of each feature, ensuring that users can navigate the application effectively. From entering new recipes to scaling, resetting, and filtering them, every aspect of recipe management is covered to enhance your culinary experience. The warm, monochromatic coloUr scheme and intuitive user interface design further contribute to a pleasant and inviting user experience, reminiscent of the comfort found in freshly baked treats. By following this guide, users can maximize their use of the application, making cooking and recipe management a seamless part of their daily routines.

APPENDIX

APPENDIX

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