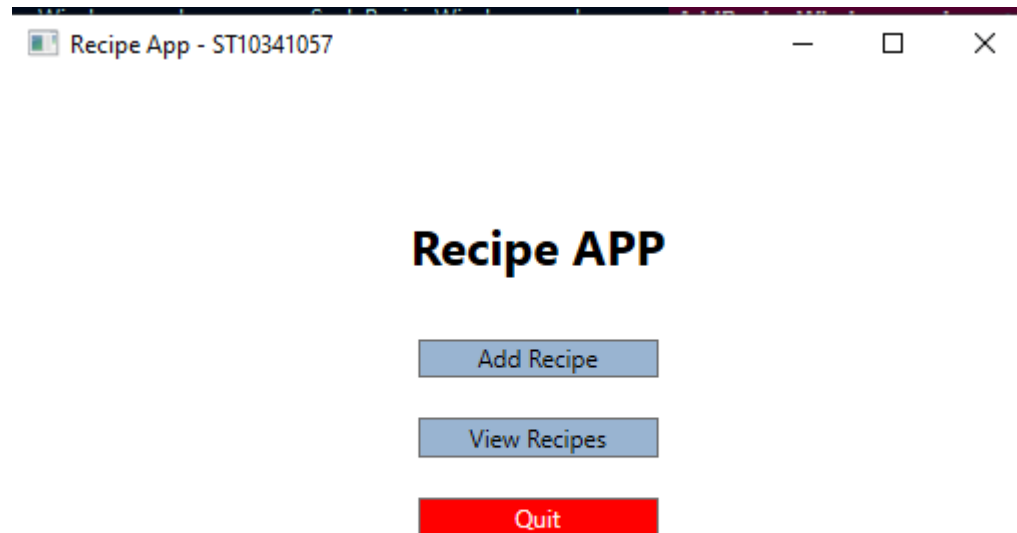


RecipeAppWPF User Manual

Gladwin Bapela- ST10341057

Introduction



RecipeAppWPF is a Windows Presentation Foundation (WPF) application designed to help users manage their recipes. With this application, you can add new recipes, view a list of all recipes, see detailed information about each recipe, and scale ingredient quantities as needed.

Installation and Setup

Prerequisites

- .NET 8.0 Core SDK or later
- Visual Studio 2022 or later

Installation

1. Clone the Repository:

```
bash
Copy code
git clone ST10341057/RecipeAppPOE at RecipeAppGUI \(github.com\)
Open the Project:
```

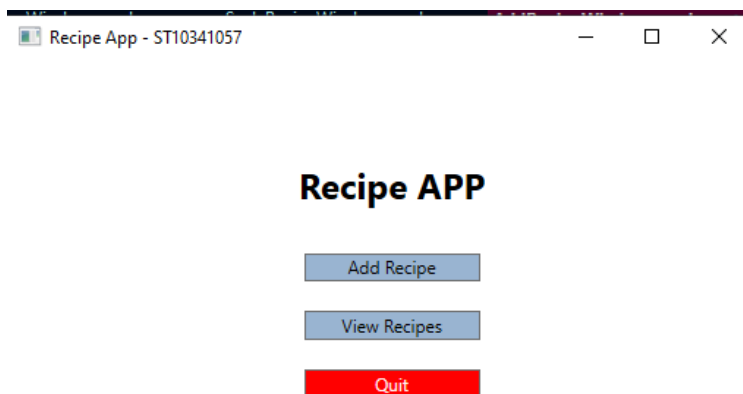
- Open the project in Visual Studio.
- #### 2. Build the Project:
- Build the project to restore the dependencies.

Running the Application

1. **Start the Application:**
 - o Run the RecipeAppPOE.sln file to start the application.
2. **Main Menu:**
 - o The main menu offers three options: Add Recipe, View Recipes, and Quit.

Using the Application

Main Menu



-
- **Add Recipe:** Opens the window to add a new recipe.
 - **View Recipes:** Opens the window to view the list of recipes.
 - **Quit:** Closes the application.

Add Recipe

Add Recipe - ST10341057

—

□

×

Recipe Name:

Ingredients:

Ingredient Name:

Quantity:

Unit (e.g grams):

Calories:

Food Group:

Add Ingredient

Steps:

Step Description:

Add Step

Back

Save Recipe

1. Enter Recipe Name:
 - Type the name of the recipe in the "Recipe Name" field.
2. Add Ingredients:
 - Enter ingredient details (name, quantity, unit, calories, food group) in the respective fields.
 - Click the **Add Ingredient** button to add the ingredient to the recipe.
3. Add Steps:
 - Enter each step of the recipe in the "Step" field.
 - Click the **Add Step** button to add the step to the recipe.
4. Save Recipe:
 - Click the **Save Recipe** button to save the recipe.

View Recipes

1. Recipe List:

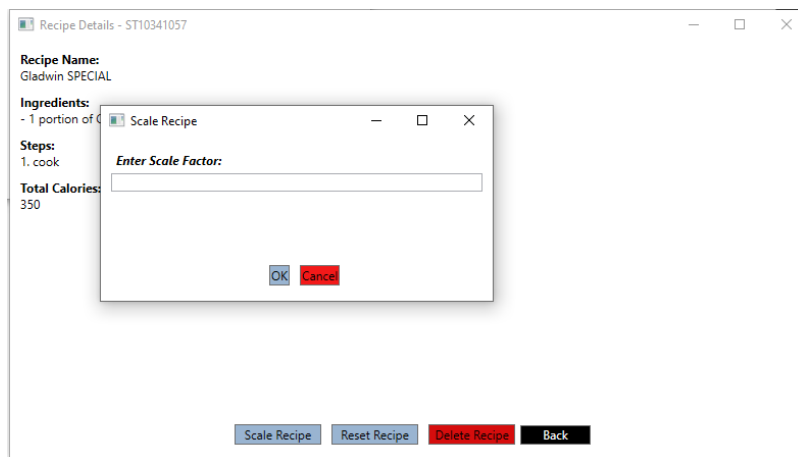
The screenshot shows a window titled "View Recipes - ST10341057". It contains a "Filter Recipes" section with three input fields: "Ingredient:", "Food Group:", and "Max Calories:". Below these fields are two buttons: "Apply Filter" (blue) and "Back" (black). Below the buttons is a list box containing the text "Gladwin SPECIAL".

- The window displays a list of all recipes.
 - Select a recipe from the list to view its details.
2. View Recipe Details:

The screenshot shows a window titled "Recipe Details - ST10341057". It displays the following information:
Recipe Name:
Gladwin SPECIAL
Ingredients:
- 1 portion of Chicken Breast (350 calories) (meat)
Steps:
1. cook
Total Calories:
350
At the bottom, there are four buttons: "Scale Recipe" (blue), "Reset Recipe" (blue), "Delete Recipe" (red), and "Back" (black).

- The details window displays the selected recipe's name, ingredients, steps, and total calories.
- Options available in the details window:
 - **Scale Recipe:** Opens a window to scale the recipe's ingredient quantities.
 - **Reset Quantities:** Resets the ingredient quantities to their original values.
 - **Clear All Data:** Clears all ingredients and steps from the recipe.

Scale Recipe



1. **Enter Scale Factor:**
 - o Enter the scale factor (e.g., 0.5 for half, 2 for double) in the "Scale Factor" field.
2. **Apply Scaling:**
 - o Click the **Scale** button to apply the scaling to the recipe's ingredients.

Closing the Application

- Click the **Quit** button in the main menu to exit the application.

Troubleshooting

- **Application Not Starting:** Ensure that all dependencies are installed and the project builds successfully.
- **Errors or Crashes:** Check the error messages for details and ensure that all input fields are correctly filled.
- **Missing Features:** Ensure that all required files are included in the project and correctly referenced.