**User Manual: RecipeSystemPOE**

1.  System Requirements To use the Recipe System application, ensure that your system meets the following requirements:

- Windows operating system (compatible with WPF applications)

- .NET Framework installed

3.  Getting Started To launch the Recipe System application, double-click on the executable file or run it from the command line. The application window will open, displaying a user interface with two main columns.
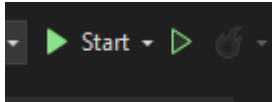


4.  User Interface Overview The Recipe System user interface consists of the following elements:

4.1. Left Column The left column of the interface allows you to add and filter recipes. It contains the following components:

- Enter Recipe Name: A label and text box where you can enter the name of a recipe.

- Add Recipe Button: Click this button to add the recipe with the entered name.

- Enter Recipe Ingredient Name: A label and text box to enter the name of an ingredient for the selected recipe.

- Enter Recipe Ingredient Calories: A label, a slider, and a text box to specify the calories of the ingredient.

- Choose Ingredient Food Group: A label and a drop-down menu to select the food group of the ingredient.

- Select Recipe Before Adding Ingredient Button: Click this button to add the ingredient to the selected recipe.

- Filter Recipes: A label indicating the start of the filter section.

- Filter by Ingredient Name: A label and a text box to filter recipes based on ingredient names.

- Filter by Food Group: A label and a drop-down menu to filter recipes based on food groups.

- Filter by Maximum Calories: A label, a slider, and a text box to filter recipes based on maximum calorie values.

- Apply Filter Button: Click this button to apply the specified filters.

Enter Recipe Name:

Add Recipe

Enter Recie Ingredient Name:

Enter Recipe Ingredient Calories:

0

Choose ingredient Food Group:

Select recipe before adding Ingredier

**Filter Recipes:**

by Ingredient Name:

by Food Group:

by Maximum Calories:

0

Apply Filter

- 

4.2. Right Column The right column of the interface displays the list of recipes and their details. It contains the following components:

- Recipe List: A list view showing the names of all the recipes

Recipe Name

**Recipe Details:**

- Recipe Details: A label indicating the start of the recipe details section.

- Recipe Name: A label displaying the name of the selected recipe.

- Ingredients List: A list box showing the ingredients of the selected recipe, including their names, calories, and food groups.

- Total Calories: A label displaying the total calories of all the ingredients in the selected recipe.

5. **Adding a Recipe To add a recipe, follow these steps:**

- Enter the name of the recipe in the "Enter Recipe Name" text box.

- Click the "Add Recipe" button.



Enter Recipe Name:

Jalof Rice

Add Recipe

- The recipe will be added to the list in the right column.



Recipe Name

Jalof Rice

6. **Adding an Ingredient to a Recipe To add an ingredient to a recipe, follow these steps:**

- Select a recipe from the recipe list in the right column.

- Enter the name of the ingredient in the "Enter Recipe Ingredient Name" text box.

- Set the calorie value using the slider or enter it manually in the adjacent text box.

- Choose the food group of the ingredient from the "Choose Ingredient Food Group" drop-down menu.

- Click the "Select recipe before adding Ingredient" button.

Enter Recie Ingredient Name:

Rice

Enter Recipe Ingredient Calories:

338

Choose ingredient Food Group:

Dairy

Select recipe before adding Ingredier

- **The ingredient will be added to the selected recipe's ingredient list.**

**Recipe Details:**

**Jalof Rice**

Ingredient Name: Rice
Calories: 338
FoodGoup: Dairy

**Total Calories: 338**

×

Warning: This recipe exceeds 300 calories!

OK

7.  Filtering Recipes To filter recipes based on specific criteria, follow these steps:

- Enter an ingredient name in the "Filter by Ingredient Name" text box to filter recipes that contain that ingredient.

- Select a food group from the "Filter by Food Group" drop-down menu to filter recipes belonging to that food group.

- Use the slider or enter a maximum calorie value in the "Filter by Maximum Calories" section to filter recipes based on their calorie content.

- Click the "Apply Filter" button to apply the specified filters.

- The filtered recipes will be displayed in the recipe list in the right column.

8. Viewing Recipe Details To view the details of a recipe, follow these steps:

- Select a recipe from the recipe list in the right column.

- The name of the selected recipe will be displayed in the "Recipe Name" label.

- The ingredients of the selected recipe will be displayed in the ingredients list box, including their names, calories, and food groups.

- The total calories of all the ingredients in the selected recipe will be displayed in the "Total Calories" label.

9. Troubleshooting If you encounter any issues or errors while using the Recipe System application, try the following steps:

- Make sure you have entered the correct information in the appropriate fields.

- Check your internet connection if any online resources or services are used by the application.

- Restart the application and try again.

- If the problem persists, contact customer support for further assistance.

10. Conclusion The Recipe System application provides an intuitive user interface for managing recipes and their ingredients. By following the instructions in this user manual, you can effectively add, filter, and view recipes, making it easier to organize and plan your meals. Enjoy using the Recipe System application!