Name of GUI Application: Recipe Organizer

Purpose of the Application: The purpose of this application is to allow users to organize and store their favorite recipes in a digital format. Users will be able to add, edit, and delete recipes, as well as search for specific recipes based on keywords.

Reason for Creating the Application: The Recipe Organizer is being created to provide a convenient and efficient way for users to store and access their favorite recipes. This application will also help users save time and reduce clutter by eliminating the need for physical recipe cards or books.

Goals for the Application:

* Allow users to add, edit, and delete recipes
* Allow users to search for recipes based on keywords
* Provide a user-friendly interface that is easy to navigate
* Implement secure coding best practices to ensure the safety of user data
* Provide thorough documentation and a user manual for easy use

Target Audience: The target audience for this application is anyone who enjoys cooking and wants to keep their recipes organized in a digital format. This includes individuals of all ages, genders, and socioeconomic characteristics who are interested in cooking and maintaining a collection of their favorite recipes.

Outline:

Window 1:

Title: Recipe Organizer

Buttons:

View Recipes: Opens Window 2

Add Recipe: Opens a new window to allow users to input recipe information

Exit: Closes the application

Window 2:

Title: Recipe List

Displays a list of all recipes in the user's collection

Buttons:

View Recipe: Opens a new window to display the full recipe information

Edit Recipe: Opens a new window to allow users to edit the selected recipe information

Delete Recipe: Removes the selected recipe from the collection

Back: Returns to Window 1

Window 3:

Title: Add Recipe

Entry Boxes:

Recipe Name

Ingredients (multiple entry boxes can be added dynamically)

Instructions (text box)

Buttons:

Add Ingredient: Dynamically adds a new entry box for additional ingredients

Save Recipe: Saves the recipe to the user's collection and returns to Window 1

Cancel: Discards any changes and returns to Window 1

Window 4:

Title: Recipe Information

Displays the full recipe information, including ingredients and instructions

Buttons:

Edit Recipe: Opens a new window to allow users to edit the recipe information

Back: Returns to Window 2