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420‐331‐VA : Application Development (Sec‐02)

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Thursday, May 16, 2024

Recipes Holder

User Manuel

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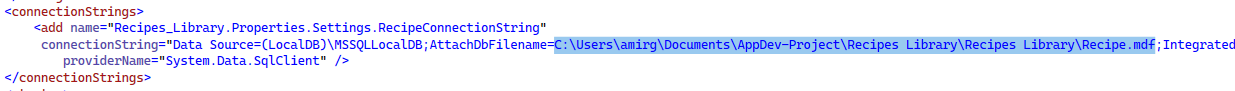
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# Introduction:

**Recipe Holder** is an application designed to store recipes and view, modify and add any recipes in the application. This program provides features such as the ability to select a recipe and view all ingredients and steps that go with that recipe. As well as the ability which allows the user to add recipes. Finally the ability to modify any recipe of the user’s choice, they can add or delete an ingredient as well as add or delete a step.

# Setup:

The user should access the App.Config file and set the “ConnectionString” to the path of the database. This will endure that the user doesn’t lose any data after restarting the application.



# Interactive Features:

Recently, more and more people care about their health and diet plans. Recipe Holder app provides the ability to look for simple and healthy meals, along with all their ingredients with only the click of a few buttons. Some of the major features this application includes are:

- The **current time** is constantly displayed at the top of the screen.

- The **view recipe button** opens a new form .

- This form allows the user to **view all ingredients along with their quantity and units for a selected recipe.**

- This form also allows the user to **view steps for a selected recipe.**

- A **timer** that allows the user to keep track of the time they’ve spent cooking the recipe.

- The **add recipe button** opens a new form .

- This form allows the user to **add a new recipe**.

- This form also allows user to **add an Ingredient that hasn’t been added before.**

- The **modify recipe button** opens a new form.

- This form allows the user to **create a step for an existing recipe.**

- This form also allows the user to **delete a step from an existing recipe.**

- This form also allows the user to **add an ingredient to an existing recipe with its quantity and unit.**

- This form also has a button to add ingredient **opens a form to write the ingredient name and then another form for its quantity and unit.**

- This form also allows the user to **delete an ingredient from a recipe.**

-This form also allows the user to **delete a recipe from the application.**

- The **language select** allows the user to use the application in one of the predetermined languages.

# Graphical User Interface:

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# Basic UI:

This application is programmed using the C# language and comes with a very simple user interface and has a light design. The UI is many forms, and the user can switch between the forms from the home page with the click of a button.

# Application Features:

## Home Page:

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In the **Home page**, the user can choose a language along with the page they would like to go to. They have the option to go to the view page via the “View Recipes” button, the creation page via the “Create a Recipe” button, and the modify page via the “Modify a Recipe” button.

## View Page:

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### ListBox Database:

The view page of this application accesses the recipe database. The recipe database is used to fill the ListBox with recipe names from the Recipes table inside the recipe database. Based on the selected recipe in the ListBox both the ingredients TextBox and the Steps TextBox fill up with their respective values. It does this by accessing the recipe id from the ListBox and gets the related recipe ids in the Steps table and the RecipeIngredients table.

### Timer:

The timer is a userControl which makes use of 3 buttons, one that starts the timer, another that stops the timer at its current time, and a final one that resets the timer back to 00:00:00.00. The timer was made using a stopwatch object.

## Create Page:

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### Adding Recipe:

The creation page of this application accesses the recipe database. The user is required to name the recipe and give it a cook time in their respective TextBoxes. After that the user is required to list the ingredients, their quantity, and their units, they’re also required to list the steps and their order in their respective data grid view.

### Exception Handling:

- The user must give the recipe name.

- The user must give the cook time.

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## Modify Page:

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### Modifying Recipes:

The modify page of this application accesses the recipe database. The recipe database is used to fill the ListBox with recipe names from the Recipes table inside the recipe database. Based on the selected recipe, the user can see the steps and ingredients associated with the recipe name that the user selected in a data grid view. The user can then select from 3 sets of buttons, the first set can either add a step into the recipes steps or delete one, the second set can either add an ingredient into the recipes ingredients or delete one, the final set has one button that can remove a recipe from the database.

### Adding & Removing step:

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### Adding & Removing Ingredient:

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