

Recipe Organizer project:

Step 1: Data Model

Define the data model for storing recipes, including attributes such as recipe name, ingredients, instructions, and category.

Design a suitable data structure, such as classes or data objects, to represent recipes.

Step 2: Read Recipes from File

Create a text file that stores recipe information in a structured format.

Implement a file reader module to read the recipe data from the file and populate your data model accordingly.

Step 3: Search Recipes Functionality

Implement the functionality to search for recipes based on ingredients or categories.

Allow users to enter ingredients or select a category, and perform a search on the loaded recipes.

Step 4: Add Recipe Functionality

Implement the functionality to add a new recipe to the organizer.

Allow users to enter recipe details, such as name, ingredients, instructions, and category, and add it to the data model.

Step 5: Update Recipe Functionality

Implement the functionality to update an existing recipe.

Allow users to select a recipe from the loaded recipes and modify its details.

Step 6: Category Management

Implement the functionality to manage recipe categories.

Allow users to create new categories, edit existing ones, and assign recipes to categories.

Step 7: Save Changes to File

Implement functionality to save any modifications or new recipes to the file.

Ensure that the data is persisted in the file for future program runs.

good luck

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