

Interactive Recipe Management Application

This project is a console-based application developed in C to simplify recipe organization and access. It features user account management, recipe searching, and the ability to add customized recipes in an interactive and visually appealing environment.

Key Features

- **Account Management:**
 - User registration with secure username and password storage.
 - Login functionality for personalized access.
- **Recipe Search:**
 - Find recipes by typing the name or browsing by category filters.
 - Display user-submitted recipes with their names appended to the recipe name.
- **Add Recipes:**
 - Add detailed recipes, specifying ingredients, procedure, serving size, and preparation time.
 - Recipes are saved with the user's name included, ensuring clear attribution.
- **Categorized Recipes:**
 - Organized into Snacks, Main Course, Desserts, and Beverages for ease of access.
- **User-Friendly Interface:**
 - Includes effects like typing animations and a loading spinner to enhance the experience.

New Functionalities

- **Personalized Recipe Addition:**
 - Users can input their own recipes, which are saved with their usernames appended to the recipe names.
 - When searched, these personalized recipes are displayed prominently along with their details.

Project Layout

- **Header File** (`features.h`): Defines function declarations, global variables, and macros for dynamic UI elements.
- **Feature Implementations** (`features.c`): Contains logic for user login, file listing, typing effects, and file operations.
- **Application Core** (`Recipe.c`): Manages the main application flow, including menu handling and recipe search filters.

Getting Started

Prerequisites

- C compiler (e.g., GCC).
- A terminal or IDE for running the application.

Compilation & Execution

1. Clone or download the repository.
2. Compile the source files using:

```
gcc b24ci1008_b24ee1085_b24bb1024_b24cy1015Recipe.c b24ci1008_b24ee1085_b24bb1024_b24cy1015features.c -o RecipeApp
```

3. Run the executable:

```
./RecipeApp
```