

Cookbook Application User Manual

Introduction

Welcome to the Cookbook Application! This user-friendly tool allows you to browse, search, filter, and create recipes. Whether you're organizing family recipes or trying new ones, this application simplifies your cooking experience.

System Requirements

- **Operating System:** Windows, macOS, or Linux
- **Java Development Kit (JDK):** Version 22.0.2 or higher
- **JavaFX:** Installed and configured on your system

Installation Guide

Step 1: Clone the Repository

- Download the repository from this link:
 - <https://github.com/muterspaughj/Final-Project>

Step 2: Configure JavaFX

Download and set up JavaFX from gluonhq.com/products/javafx/.

Step 3: Compile the Application

1. Navigate to the `src` directory.

2. Compile the program: `javac --module-path /path/to/javafx-sdk/lib --add-modules javafx.controls UserInterface.java`

Step 4: Run the Application

- `java --module-path /path/to/javafx-sdk/lib --add-modules javafx.controls UserInterface`

User Interface Overview

Home Page

- **Title:** "Flavors of the World" is displayed prominently at the top.
- **Logo:** A decorative image adds a personal touch to the home page.
- **Sidebar:** Contains buttons for navigation and performing actions.
- **Recipe Display Area:** Lists all recipes or search results.

Features and Usage

1. Viewing All Recipes

- Click "**Show All Recipes**" in the sidebar.
- The recipe display area will list all recipes stored in the application.

2. Searching for a Recipe

- Click "**Search Recipe**".
- Enter the recipe name in the prompt and click **OK**.
- Results matching the query will be displayed.

3. Fuzzy Searching

- Click "**Fuzzy Search Recipe**".
- Enter the approximate name of the recipe and a maximum distance for matching.
- Recipes with similar names within the specified distance will be displayed.

4. Filtering Recipes by Ingredient

- Click "**Filter by Ingredient**".
- Enter an ingredient to filter recipes that include it.
- The filtered results will appear in the display area.

5. Adding a New Recipe

- Click "**Add New Recipe**".
- Fill in the form with:
 - **Recipe Name**
 - **Ingredients** (comma-separated)
 - **Instructions**
- Click **OK** to save the recipe. It will be stored in the **recipes** folder as a text file.

