

# Recipe Book

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Description: A system for storing recipes. Allows the user to add, search, edit and rate on recipes.

Language/Tools: Java, Java Swing

Functions:

- Create new recipe
  - Name (String): name of recipe //cannot be empty
  - Total Cook Time (String) //optional
  - Rating (int) //optional
  - Ingredients (String): displayed as text //cannot be empty
  - Steps (String): displayed as text //cannot be empty
  - Notes (String): additional comments for the recipe //optional
  - Date (java.util.Date): year, month, date, hrs, min, sec of creation or of last edit
- View a particular recipe
- Edit a particular recipe
- Delete a particular recipe
- Add rating for a particular recipe (one rating per recipe)
- Delete rating for a particular recipe
- Search for recipes ( via name or ingredient )

Simple GUI: implemented with java swing

- Home Page
  - Search bar component on top: searches for recipes in which search string is a substring of the recipe name or any of the ingredients.
  - List of recipes (alphabetical order by name or by date added)
  - Add recipe button ( leads to an empty recipe page as editing mode )
  - Loads the entire recipe book from local file
- Recipe Page
  - Display recipe details
    - Recipe name using text field
    - Recipe total cook time using text field
    - Recipe rating using combo box
    - Recipe ingredients using text field
    - Recipe steps using text field
    - Recipe notes using text field
  - Edit recipe button
    - Save edit button
      - dialog modal that confirms successful save of recipe

- saves the entire recipe book to local file
- Cancel edit button
- Delete recipe button
  - dialog modal that confirms successful deletion of recipe
  - saves the entire recipe book to local file
- Back button: leads back to Home Page