CPP-HomeCook

# Minimum User Case:

User runs the HomeCook program. Enter **UserName.** Ideally doing so would load a stored list of recipes creating **RecipesVector**, this way different users could have different recipes and ratings. (And possibly the user’s tools, but let’s not worry about the tools at this stage.)

Program Asks: Would you like to Search for a Recipe by Ingredient, Add a Recipe to List or Archive the Recipe List. Record answer as **UserAction**

## If UserAction is SearchViaIngredient()

Program Asks: What main ingredient would you like to use? Store answer as **UserIngredient**Program Asks: Is use of an oven okay? >> **UserOvenPref**

Program searches the **RecipesVector** for recipes with UserIngredient. While searching, it creates a temporary list with the **RecipeName**s and it’s index in RecipesVector. Filtering for both the UserIngredient and UserOvenPref.

Present User with total number of Recipes found, and display the first 5. Display index, RecipeNameand Time. Allow user to select a recipe (via the index) or display next five.

At this point the User can **DisplayIngredients()**, **StartCooking()**.

# Detailed Definitions:

**UserName**

**UserAction -** First choice

**SearchByIngredient()** - function to find the correct recipes.

**RecipesVector** - The main list of Recipes with these attributes. Ideally this can be written to a JSON file for parsing.

* **Index**
* **RecipeName** - “Chicken Masala”
* **Ingredients** - Vector of Ingredients
* **Instructions** - Steps to perfection
* **Time** - Estimated minutes to prep and cook.
* **Tools** - Sauce Pans and baking sheets.
* **Oven** - Bool
* **Rating** - Int