Requirements Document

Use this template to define the requirements for your approved project.

1. Name the process(es) that your project will be automating. Meaning, each of your projects should automate a manual process. What is the name(s) of these processes?
   1. Finding a recipe(s)
   2. Making a shopping list
   3. Buying ingredients
   4. Following recipe to cook a meal
2. For each process, provide bullet points of each step within the process. For each step:
   1. Finding a recipe(s)
      1. Define the data input into the process

Search online, generally Google – search terms (recipe name, ingredients, etc.)

Asking people; using recipe books; making your own recipe based on what you have on hand; cooking without recipe. Using these methods, recipes are chosen, found, or learned of.

* + 1. Define the output from the process

One or more recipes with ingredient list

* + 1. Define the tasks that are completed in the step. In other words, how does the process steps take the input and create the output?

Either through searching online, asking a friend, or using a recipe book, a recipe is located.

* 1. Making a shopping list
     1. Define the data input into the process

The recipe that was found, with the complete information to make the recipe.

* + 1. Define the output from the process

The shopping list

* + 1. Define the tasks that are completed in the step. In other words, how does the process steps take the input and create the output?

Using the recipe, the ingredients are recorded. If serving needs changed, ingredients are adjust manually.

* 1. Buying ingredients
     1. Define the data input into the process

The shopping list.

* + 1. Define the output from the process

Purchased ingredients.

* + 1. Define the tasks that are completed in the step. In other words, how does the process steps take the input and create the output?

Using the shopping list, one goes to a store to purchase items. Items can be searched for on the Kroger website and added to their cart to be picked up or delivered (common during Covid pandemic).

* 1. Following recipe to produce a meal
     1. Define the data input into the process

The recipe

* + 1. Define the output from the process

The meal

* + 1. Define the tasks that are completed in the step. In other words, how does the process steps take the input and create the output?

Using the recipe, instructions are followed to combine ingredients and cook a meal.

1. Once complete with step 1 and 2 for all processes, define how you are going to use technology to automate the process. In other words, describe in detail:
   1. How you envision your system will look and feel.

We have chosen to use web technologies for this project. The user will be able to access this application through many different devices and operating systems in this way. The feel of this is a streamlined path toward the easy purchasing of ingredients. The application will make use of a SQL Server for user information, recipe information, user created recipes, etc.

* 1. How will the system provide efficiencies to the process.

The application assists the user in creating a shopping list quickly while searching through recipes. This list can then be easily purchased directly from a local Kroger. In this way, the user saves time and energy. Multiple steps have been coalesced into one application.

Recipe information will be augmented with nutritional information which is important to many interviewed people. Serving sizes can be changed prior to ingredients being added to the shopping list. Recipe can be changed based on user preference.

Feedback from users on individual recipes. The app will prompt user’s to rate recipes, and suggest similar recipes based on ratings through email.

* 1. What are the tangible (dollars) and intangible benefits of your solution.

Tangible benefits of this system include the ability to collect required ingredients into one list, one shopping trip, and including all necessary ingredients. Time saved through this process, the ease of finding the needed ingredients, not having a separate list for your shopping trip, being able to have the items delivered through Kroger or easily making use of the Kroger Click-List are intangible benefits.