**Final Project Statement of Work Template**

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| Nick Milano |

**Group Number:**

**Group Leader:**

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| NA |

**Names of Group Members:**

**Summary of what your program will do (be very specific):**

**The program I will be creating is a recipe lookup program. I plan on using the Recipe – Food – Nutrition API (**[**https://rapidapi.com/spoonacular/api/recipe-food-nutrition/**](https://rapidapi.com/spoonacular/api/recipe-food-nutrition/)**) to acquire the recipes. There will be two main paths for the user to query the recipe database. The first path is the simple option. It allows the user to input the name of the dish/item (ex. pasta, ice cream, chicken) and what type of cuisines to include (allows multiple answers). Then they can choose the dietary restrictions (vegetarian/vegan/other) and any food intolerances/allergies. Also allowing the user to choose ingredients that need to be included or excluded from the recipes. Then the max amount of time to make the dish. Finally the sorting of the data being collected (ex. popularity, healthiness, price, time, random, etc) and the direction of the sorting. That is all for the first path any of the options besides the name of the dish/item is able to be left blank. After the user fills out the information for the first path they will be prompted if they would like to add advanced nutritional option if they wish to do so they will enter the second path. They will be prompted to input the minimum and maximums for carbs, proteins, calories, fat, saturated fat, fiber, sodium, sugar. They can input any field they wish to include, but all of them can be left blank. After this the program will parse the received recipes and display them in a nice UI. If the user sees a recipe they like they will be able to view it and open it in a web browser. If none of the recipes are interesting they will be able to move to the next set of results. This repeats till the user finds a recipe they like or exit the program.**

**Decomposition with Assignments:**

Use the space to list the decomposition or outline of your program. Next to each section, provide the name of the student who will be working on that portion.

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| **Decomposition** | **Responsibility** |
| All of the work | Nick Milano |
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