

## Task 2.7

### Search Functionality:

What search functionality do I want to implement? What would those features look like UI-wise?

Ingredient search filter: filters recipes by ingredient, would be a text form comma separated

Difficulty filter: filter by recipe difficulty, 1-5 drop down

Cooking time: a time slider with min/max

Meal Type (would require a new data type in recipes/models): breakfast, lunch, dinner, dessert, snack, appetizer, drink, etc. check boxes, so recipes can have multiple (e.g. breakfast, snack will find breakfast taco) - will implement later.

### Data Visualization:

For data visualization, I will keep it simple and just allow the user to display ingredients, difficulty or cooking time in bar, chart or line, to keep it customizable. Instead of implementing on the search page, which will negatively impact the grid layout, I will create a whole other page/view for data.

### User Execution Flow:

Lands on home page > login > main recipe page > search recipes > click into a single recipe > go back > change search > choose another recipe > navigate to data > create an instance of all possible charts > go back to recipes > log out