

## Task 2.7 Notes

### Recipe Search Functionality

- **search recipe by name** – basic search parameter when someone is looking for a specific recipe
- **search recipes by difficulty** – useful to have if the user wants to quickly filter recipes by difficulty
- **search recipes by ingredient** - similar to the command line version of this app, it could be useful to filter recipes by ingredients the user might already have in their possession

### Data Analysis

**Bar graph** – I would use this graph to show the top five most popular ingredients across the database. Each bar would represent an ingredient (x-axis) and the height would account for the **Pie chart** – a pie chart would be good to show the spread of recipe difficulty – what percentage of the recipes is easy, medium, etc.

**Line chart** – recipe difficulty(x-axis) and number of ingredients (y-axis); this chart would be useful to see how the number of ingredients affects the recipes' difficulty.

I plan to show these analytics charts at user discretion. There will be a “graph” button that will open up the analytics charts. These will cover all recorded recipes rather than the search results. I believe that will give the user a better overview of the database available to them.

### Execution Flow

