## The criterion for search:

- Users can search for recipes based on the recipe's name.
- Users can search for ingredients and have all recipes with those ingredients show up.

## Data Analysis:

1. Bar Chart:
   - X-axis: Recipe Names
   - Y-axis: Cooking Time (in minutes)
   - Labels: Recipe Names
2. Pie Chart:
   - Labels: Recipe Names
   - Values: Cooking Time (in minutes)
3. Line Chart:
   - X-axis: Recipe Names
   - Y-axis: Cooking Time (in minutes)

## Execution flow:

1. The user starts on the homepage and has the option to log in.
2. If the user chooses to log in, they are directed to the login page where they can enter their credentials.
3. Once logged in, the user is redirected to the recipe browsing page, where they can see all the available recipes.
4. From the recipe browsing page, the user can perform a search for specific recipes.
5. The search results page shows the recipes that match the search criteria, along with a chart based on the search results.
6. Alternatively, the user can choose to view the details of a specific recipe by clicking on it.
7. Clicking on a recipe leads them to a page displaying the detailed information about the selected recipe.
8. At any point in the journey, the user can choose to log out, which ends their session and redirects them to log out page.

```
            ┌──────────────────┐
            │     Homepage     │
            └──────────────────┘
                     │
                     ▼
            ┌──────────────────┐
            │    Login Page    │
            └──────────────────┘
                     │
                     ▼
            ┌──────────────────┐
            │  Recipe Browsing │
            │       Page       │
            └──────────────────┘
          │                        │
          ▼                        ▼
   ┌────────────┐           ┌────────────────┐
   │   Search   │           │ Recipe Details │
   └────────────┘           └────────────────┘
          │                        │
          ▼                        │
   ┌────────────┐                  │
   │Results with│                  │
   │   chart    │                  │
   └────────────┘                  │
          │                        │
          ▼                        ▼
            ┌──────────────────┐
            │     Log out      │
            └──────────────────┘
```