Yufan Xu

Task-2.7

Implement Search for Recipes

- The user should be able to search by recipe name (or partial recipe names) and/or ingredients (combined to search for only recipes that match the name and have the ingredient included).
- The output:
    - The matching recipes - the recipe name, image, difficulty level, and cooking time
    - Similar layout as the recipes list page but with filtered results
    - Recipe names should be clickable to reach the detail recipe view

Data Visualization

- Bar chart
    - to display recipes by cooking time
    - X-axis: recipe name
    - Y-axis: cooking time
- Pie chart
    - To display the count of recipes by difficulty level
- Both charts should be generated and displayed automatically once user makes a search that yields a result

Execution Flow

- 1. User lands on home (welcome) page
- 2. User logs in to the account
    - Or if user tries to access any other view before logging in, user gets redirected to login page
- 3. User is redirected to recipes list view, seeing all recipes
- 4. User can click on one of the recipes and see its details
- 5. User can click on "search" and be presented with form to search for specific recipes by name or ingredient
    - 5B. After making a search, user sees charts based on user's search results and the matching recipes (if any)
    - 5C. User can click on one of the matching recipes to view its details or make a new search
- 6. User can click on "profile" to view their user profile/bio
- 7. User clicks "logout" button and logs out, getting redirected to a "successful logout" page with the option to log back in again
- *navigation bar allows for quick access to home page, all recipes, search form, user profile, and login/logout functions