

1. Think about what you want users to search for, the criterion for search and format of the output.

| What I want users to search for | The criterion for search | Format of the output |
|---|--------------------------|----------------------|
| I want the users to be able to search for recipes by ingredient | Recipes ingredients | name |

2. Data Analysis: At least one visualization using a bar, pie and line chart (one for each). For each of the scenarios, identify the x- and y- axes and labels (if any).

- Bar Chart Y-Axis: Cooking time
- Bar Chart X-Axis: Recipe Name
- Pie Chart Label: Cooking time
- Line Chart Y-Axis: Cooking time
- Line Chart X-Axis: Recipe Name

3. Execution Flow: User's journey represented as a flow chart.

- User lands on homepage






- User logs in on login page

Login

Username: Password:

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- User views recipes on recipes list page

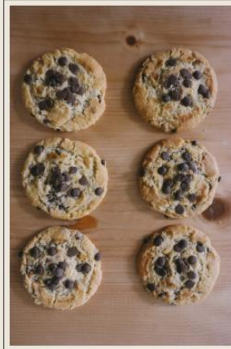
Recipes' List

| Recipe Names: | Recipe Images: |
|---|---|
| Tea <input type="button" value="More Details."/> |  |
| Pizza <input type="button" value="More Details."/> |  |
| Fried Rice |  |

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- User clicks on details button to view recipe details

Recipe Details:

Title: Chocolate chip cookies
Ingredients: Butter, Sugar, Eggs, Flour
Cooking Time: 10
Difficulty: Medium



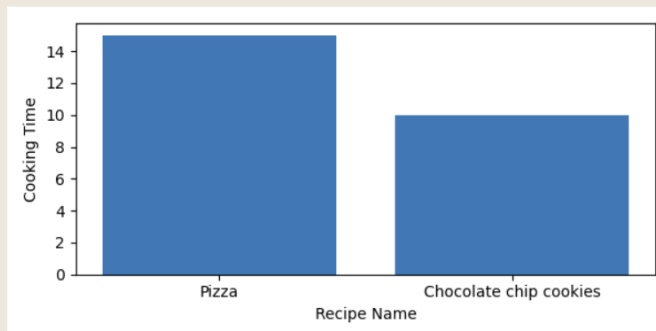
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- User clicks on back button to go back to recipes list page
- User clicks on search button to go to search page and searches for recipe by ingredient

Search for Recipes by Ingredients

Recipe ingredients: Chart type:

| | id | name | ingredients | cooking_time | difficulty | pic |
|---|------------------------|------------------------|--------------------------------------|--------------|------------|--|
| 0 | Pizza | Pizza | Dough, Marinara sauce, Cheese, Flour | 15 | Medium | recipes/pexels-polina-tankilevitch-4109111.jpg |
| 1 | Chocolate chip cookies | Chocolate chip cookies | Butter, Sugar, Eggs, Flour | 10 | Medium | recipes/pexels-brigitte-tohm-36757-189536.jpg |



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- User clicks on back button to go back to recipes list page
- User logs out

You've successfully logged out!

Login

