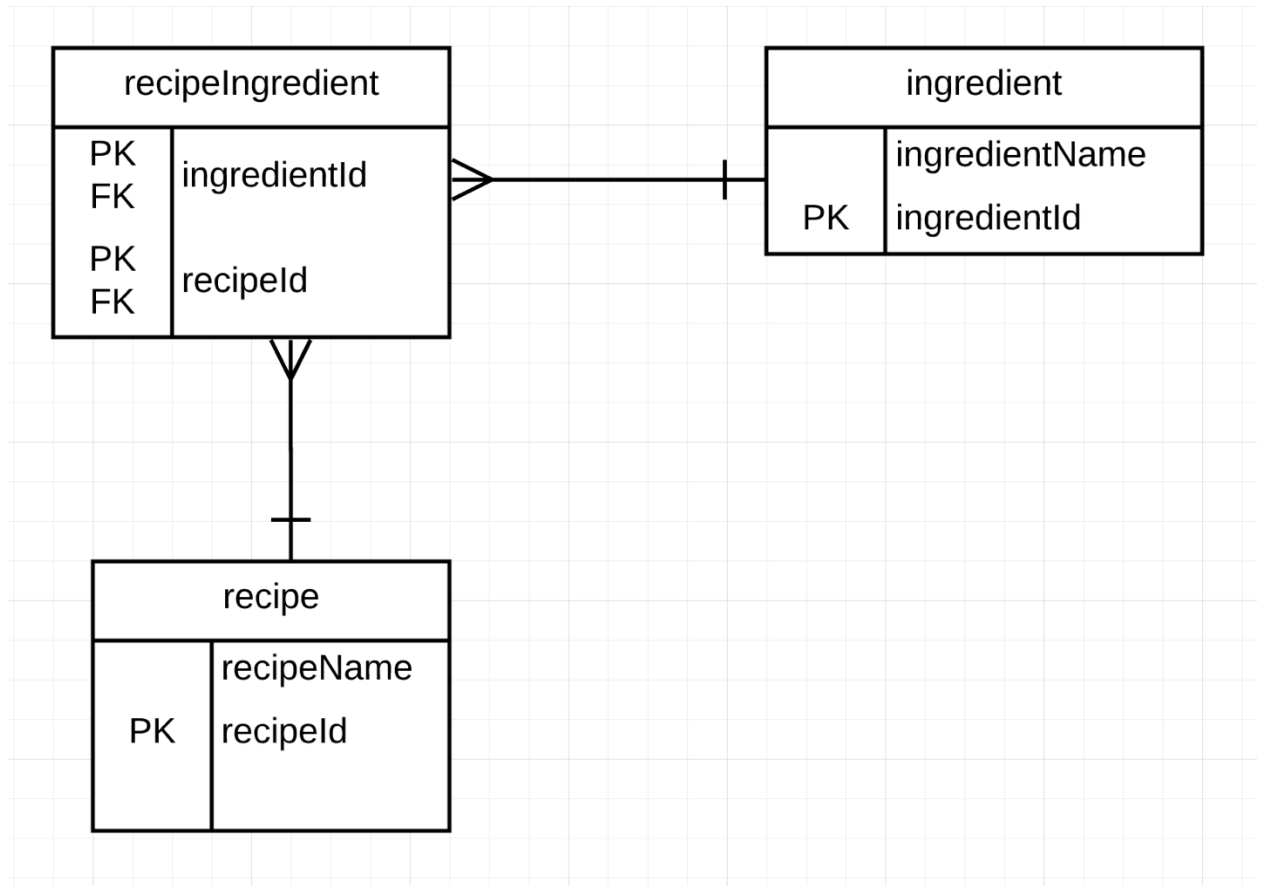


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1. ERD



2. User stories

User Story:

As a user I want to be able to search for recipes with their choice of ingredients.

User Story:

As an admin user I want to be able to edit, delete, and add new recipes.

3. Mockup and Related

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Admin Page : Add

←

→

↺

⬆

Add

Edit

Delete

Log Out

Ingredients - add + button to add more drop downs

Ingredient 1

▼

Directions - add + button to add extra text box for directions

Step 1

Step 2

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Admin Page : Delete

←

→

↺

⬆

Add

Edit

Delete

Log Out

Select Recipe to Delete

Recipe 1

▼

Confirm Delete

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Admin Page : Edit

←

→

↺

⬆

Add

Edit

Delete

Log Out

Select Recipe to Edit

Recipe 1

▼

Display recipe so it can be edited

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The wireframe depicts a web application interface. At the top is a header bar with the text "Home Page" and navigation icons (back, forward, refresh, home) followed by a search input field. Below the header, the main content area is divided into two columns. The left column features an "Ingredient Selector" box at the top. Below it, there are three "Select Ingredient" dropdown menus. To the left of these dropdowns, the text "min ingredient : 2" and "max ingredients : 10" is displayed. Below the third dropdown, there are two circular buttons: a "+" button and a "-" button. A bracket to the left of the "+" button is labeled "Adds another drop selection for the user to add another ingredient". A bracket to the right of the "-" button is labeled "removes a selection". The right column contains an "Admin Log In" button at the top and a "Recently Searched" box below it.

Home Page

Ingredient Selector

Admin Log In

min ingredient : 2
max ingredients : 10

Select Ingredient ▼

Select Ingredient ▼

Select Ingredient ▼

+

-

Adds another drop selection for the user to add another ingredient

removes a selection

Recently Searched

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Log In Page

← → ↻ ⬆

Home

admin user

admin password

Log in

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Recipe

← → ↻ ⬆

Recipe Name

Ingredients

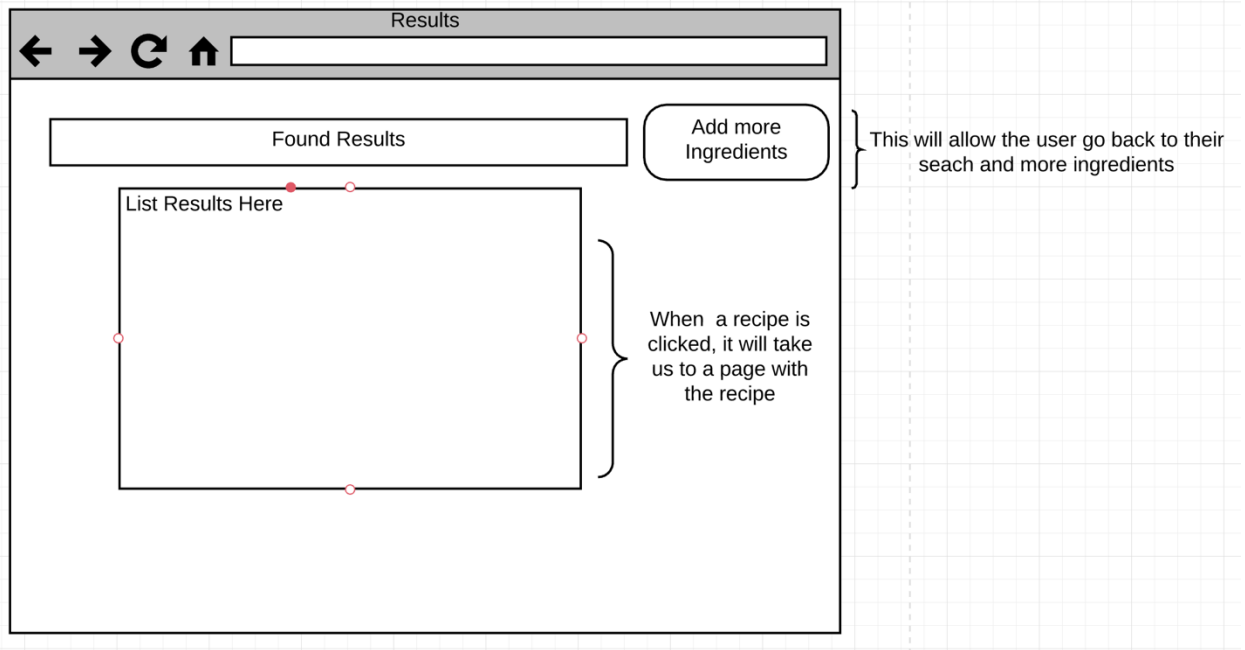
Directions

Home

Back to Results

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4. Screenshots

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Reverse Recipe Book Ingredient Selector

Choose An Ingredient

Choose An Ingredient

+

−

Search

Average Number of Ingredients for Recipe

Number of Ingredients by Recipe

Total Number of Recipes

Figure 1- Home page

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Aunt Lou's Fresh Apple Cake



3 cups chopped peeled apples (about 3 medium)

1 teaspoon baking powder

3 large eggs

2 teaspoons vanilla extract

Mom's Apple Fritters



3 cups apples - peeled, cored and chopped

2 teaspoons baking powder

Figure 2- Search results

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apple

baking powder

+

−

Search

Average Number of Ingredients for Recipe4.4286

Number of Ingredients by Recipe

Baked Eggs : 4
Baking powder biscuits : 5
Honey Chicken : 5
Mashed Potatoes : 3
Southern Chicken and Yams: 4
Spaghetti : 2
Vanilla Cupcakes: 8

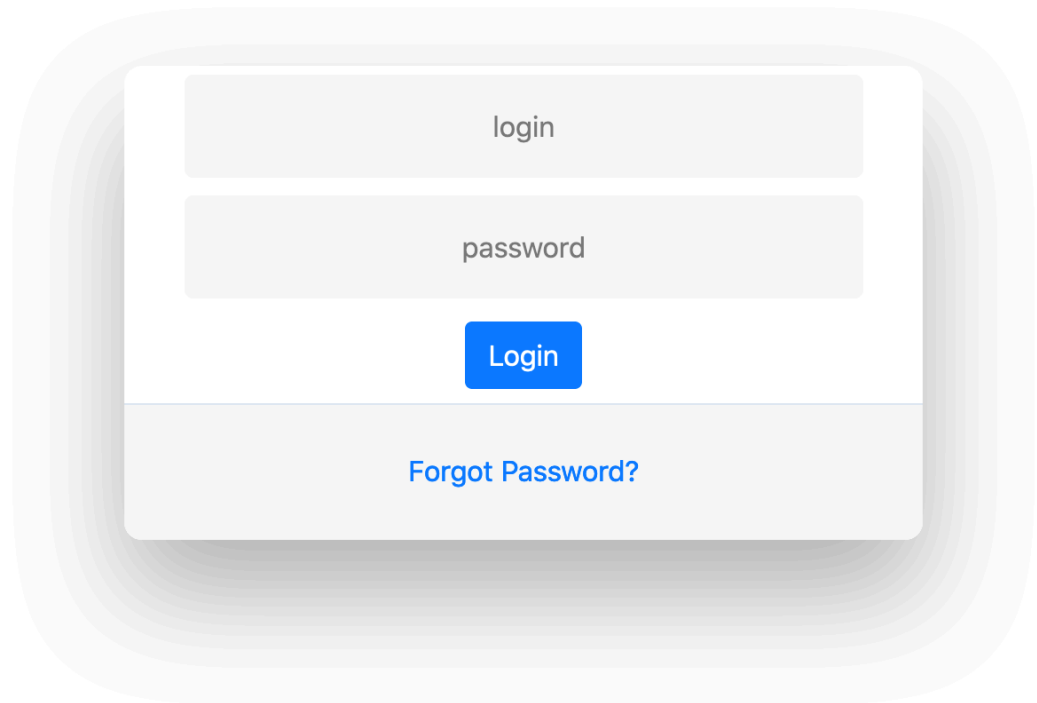
Total Number of Recipes7

Aunt Lou's Fresh Apple Cake

Figure 3 - aggregate functions

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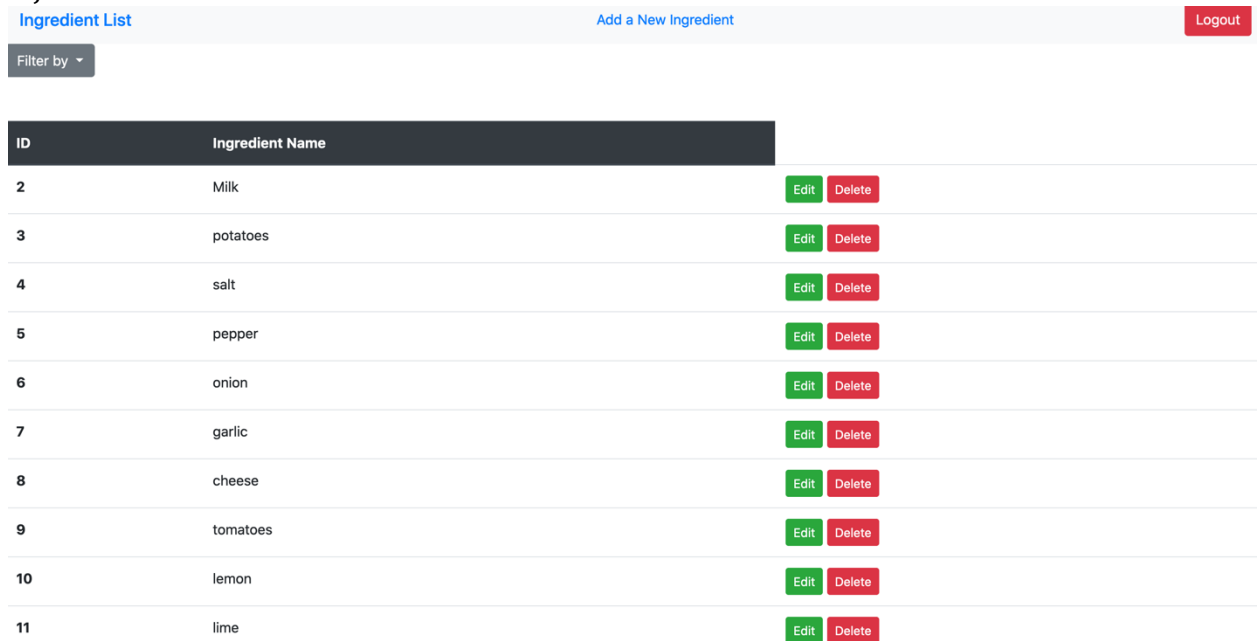


The image shows a login interface within a light gray rounded rectangle. Inside, there is a white rounded rectangle containing two light gray input fields. The first field is labeled 'login' and the second is labeled 'password'. Below these fields is a blue button with the text 'Login'. At the bottom of the white area is a link that says 'Forgot Password?' in blue text.

Figure 4- Log in: Username: admin , password: password

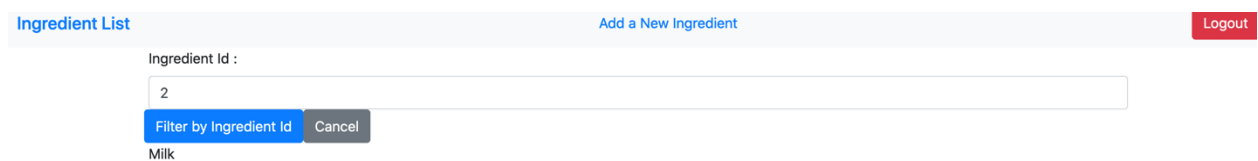
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ID	Ingredient Name		
2	Milk	Edit	Delete
3	potatoes	Edit	Delete
4	salt	Edit	Delete
5	pepper	Edit	Delete
6	onion	Edit	Delete
7	garlic	Edit	Delete
8	cheese	Edit	Delete
9	tomatoes	Edit	Delete
10	lemon	Edit	Delete
11	lime	Edit	Delete

Figure 5- dashboard landing page

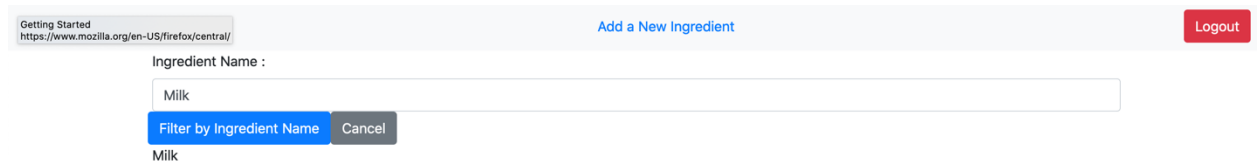


Ingredient Id :

2

Filter by Ingredient Id Cancel

Figure 6- search by ingredient id

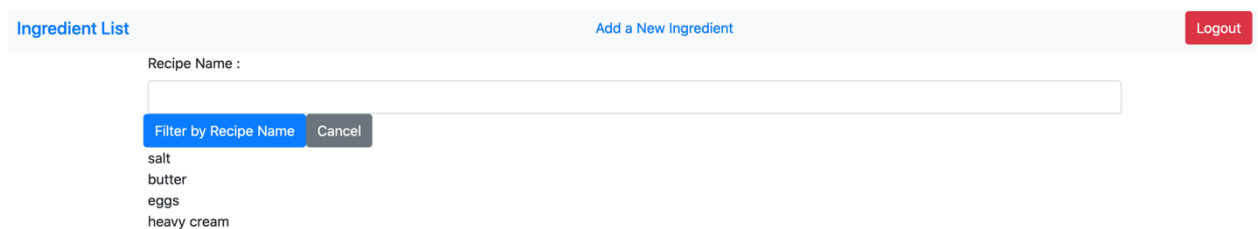


Ingredient Name :

Milk

Filter by Ingredient Name Cancel

Figure 7- search by ingredient name

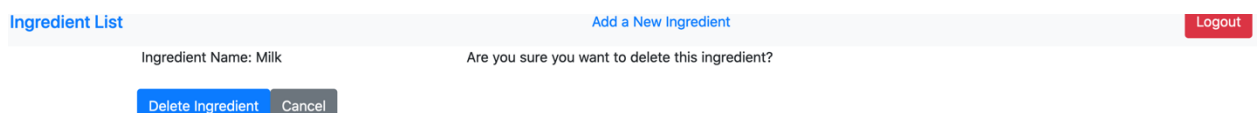


Recipe Name :

Filter by Recipe Name Cancel

salt
butter
eggs
heavy cream

Figure 8 - search by recipe name



Ingredient Name: Milk

Are you sure you want to delete this ingredient?

Delete Ingredient Cancel

Figure 9 - Delete function