

# Recipe App

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# Description

- Recipe App application to search for a recipe using API.
- Only Authenticated user can use Recipe App.
- User can add, edit and delete ingredients based on the availability in User's Kitchen
- A SignUp , Login and Logout page for each users to view their ingredients.
- Only Authenticated Users can add/edit/update the ingredients.



# Features

- User Authentication
- Ingredients /Grocery List
- Search Recipe using Search API



# Planning - User Stories

- The user can create an account and sign in to be able to search for recipes based on ingredients they already have in their kitchen.
- The focus of the project was to search recipe based on the ingredients we have in the user's refrigerator.
- The user can add, edit and delete ingredients from their ingredients list.



# Planning - User Stories

- User Account: Sign in
- User Account:
- User Account: Sign out
- User can Add Ingredients to ingredients list.
- User can Edit Ingredients in the ingredients list.
- User can Delete Ingredients in the ingredients list.
- Search Recipe using Search API
- Picture of recipes
- User Account Home page



# Planning - Database

Planning the database was an essential part of the project. We created a plan for the database so that the ingredients list, recipes, and users are all connected. This way only authenticated users can access their ingredients list and recipes.

The Recipe have three tables in the database.

- Users
- Ingredients
- Recipes

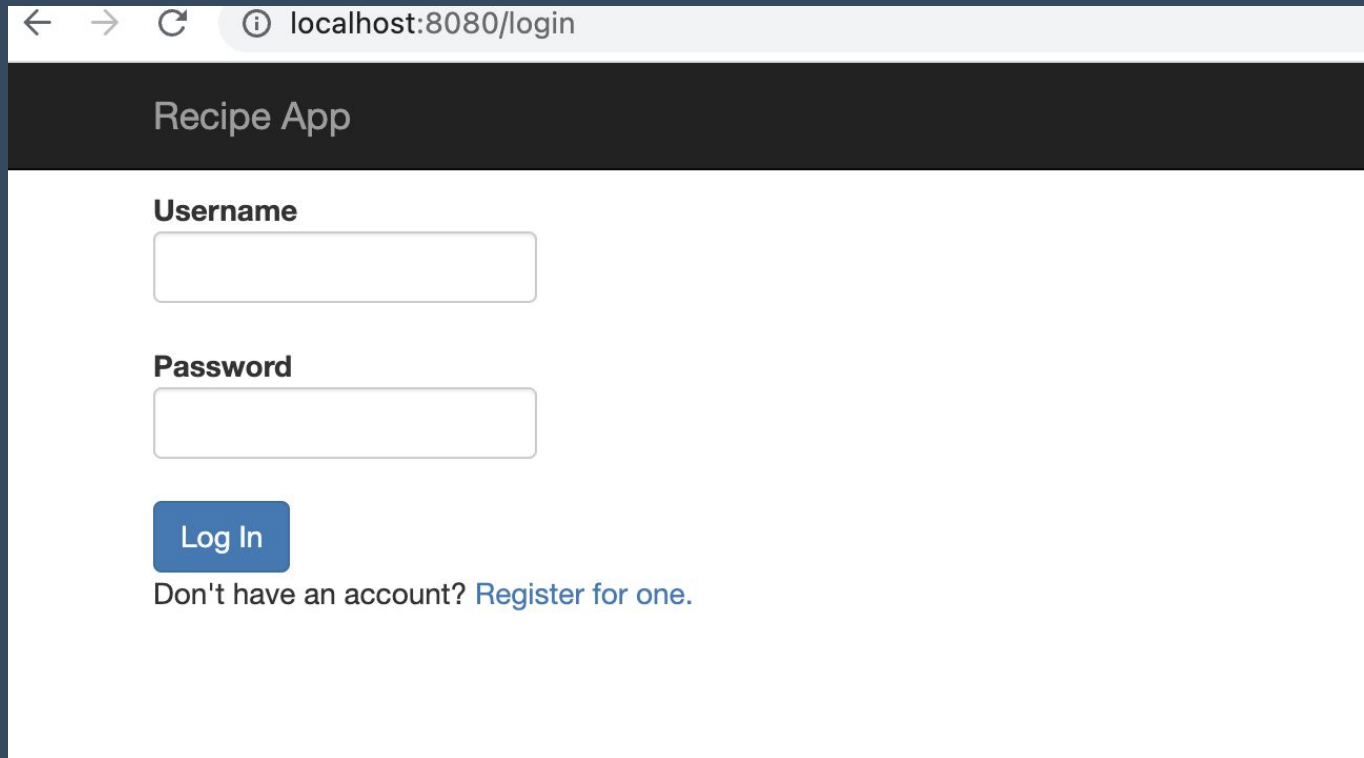


# Technology Stack

- Java
- Spring Boot
- Thymeleaf
- Bootstrap
- Javascript
- HTML
- CSS



# Demo - Create a User



A screenshot of a web browser window displaying the login page of a 'Recipe App'. The browser's address bar shows 'localhost:8080/login'. The page has a dark header with the text 'Recipe App'. Below the header, there are two input fields: 'Username' and 'Password'. A blue 'Log In' button is positioned below the password field. At the bottom, there is a link that says 'Don't have an account? Register for one.'

← → ↻ ⓘ localhost:8080/login

Recipe App

**Username**

**Password**

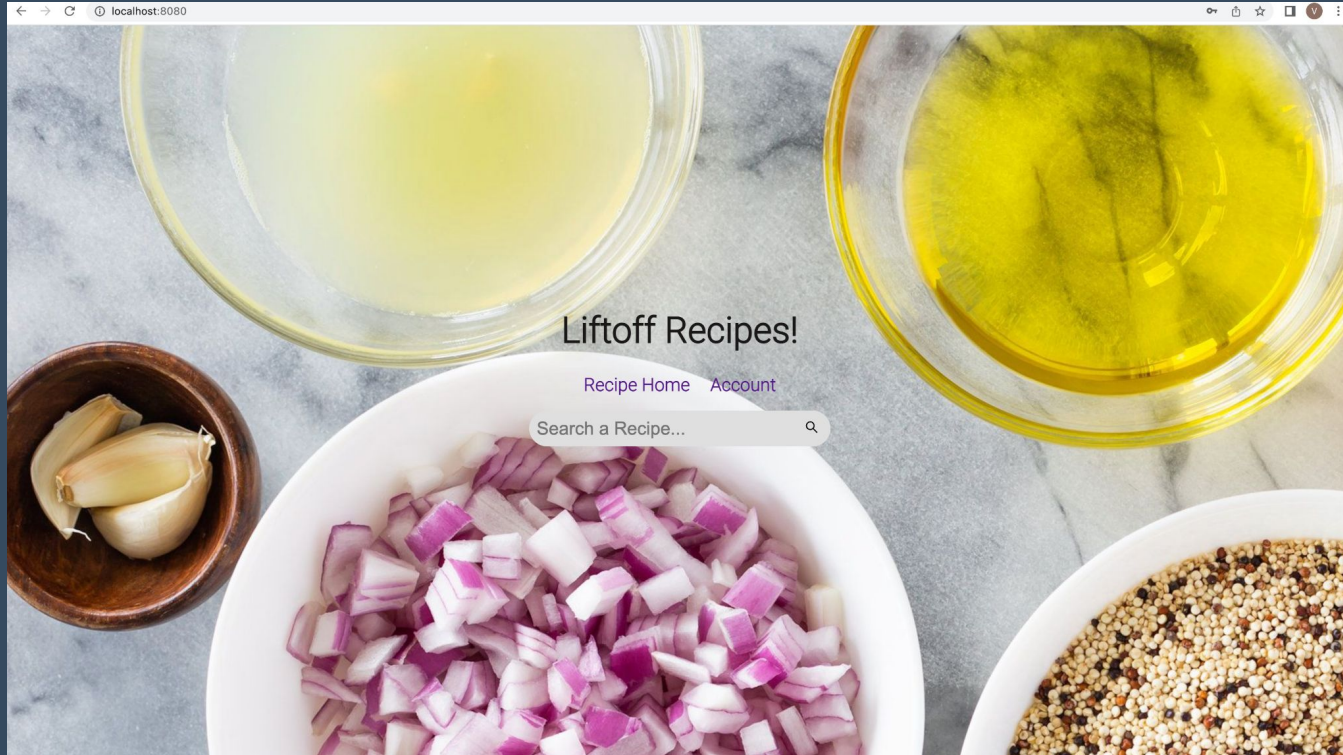
Log In

Don't have an account? [Register for one.](#)





# Demo - Recipe Search





# Demo - Recipe Search Result

localhost:8080/index.html

## Liftoff Recipes!


[Recipe Home](#) [Account](#)



**Pizza Dough** [View Recipe](#)

Serving Size: 4  
Calories: 2621  
Cuisine Type: italian


Ingredients: 500 g bread flour(3 3/4 cups),2 1/2 tsp Dry Yeast instant or active (10 grams),3/4 tsp Table Salt(5 grams),3/4 tsp Sugar, plus a pinch (about 3 grams),1 1/2 cup water at room temperature,extra-virgin olive oil for pans,2 x yellow onions(medium), finely chopped (pizza cipolla),1/3 cup Heavy



**Pizza Frizza recipes** [View Recipe](#)

Serving Size: 4  
Calories: 656  
Cuisine Type: italian

Ingredients: 1 Basic Pizza Dough,sugar,oil



**Margarita Pizza With Fresh Mozzarella & Basil** [View Recipe](#)

Serving Size: 10  
Calories: 2099  
Cuisine Type: italian

Ingredients: 1 ball pizza dough,3/4 – 1 cup pizza sauce,1 lb fresh mozzarella, thinly sliced,10 basil leaves

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# Demo - MYSQL database

The screenshot shows a MySQL database management tool interface. The top bar indicates the connection is to 'Local instance 3306'. The left sidebar shows a tree view of the database schema, with 'recipe\_app' selected. The main area displays a SQL query: `SELECT * FROM recipe_app.ingredients;`. Below the query, the 'Result Grid' shows the following data:

	id	ingredient	quantity	user_id
▶	7	apples	5	5
▶	9	BlueBerrys	20	5
▶	10	Strawberrys	8	5
▶	11	Onion	1	5
▶	12	GARLIC	2	8
▶	NULL	NULL	NULL	NULL



# Demo - User1 Ingredients

[←](#) [→](#) [↺](#) [localhost:8080/ingredients](#) [🔗](#) [★](#) [☰](#) [👤](#) [⋮](#)

[Home](#) [Logout](#)

## Welcome abcapple!

### My ingredients

Ingredients	Quantity	Edit	Delete
apples	5	Edit	Delete
BlueBerrys	20	Edit	Delete
Strawberrys	8	Edit	Delete
Onion	1	Edit	Delete

Add Ingredients



# Demo - User2 Ingredients

[Home](#) [Logout](#)

## Welcome xyz!

### My ingredients

Ingredients	Quantity	Edit	Delete
GARLIC	2	Edit	Delete

Add Ingredients



# What I Learned

- How to use Spring Boot to create a web application.
- How to use an API to fetch data for our application.
- Styling in CSS & Bootstrap and also making it into a responsive design.
- Authenticating a user to the application so they can use the features.



# What's Next

- Store locator that allows the user to find a store that sell ingredients for the recipe by utilizing google maps API.
- Search for recipes based on the ingredients available in the ingredients list.
- Redesigned UI by first designing it in AdobeXD.
- Using IOT to automatically add/delete ingredients from the users ingredients list and place orders based on recipes most cooked.

