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.

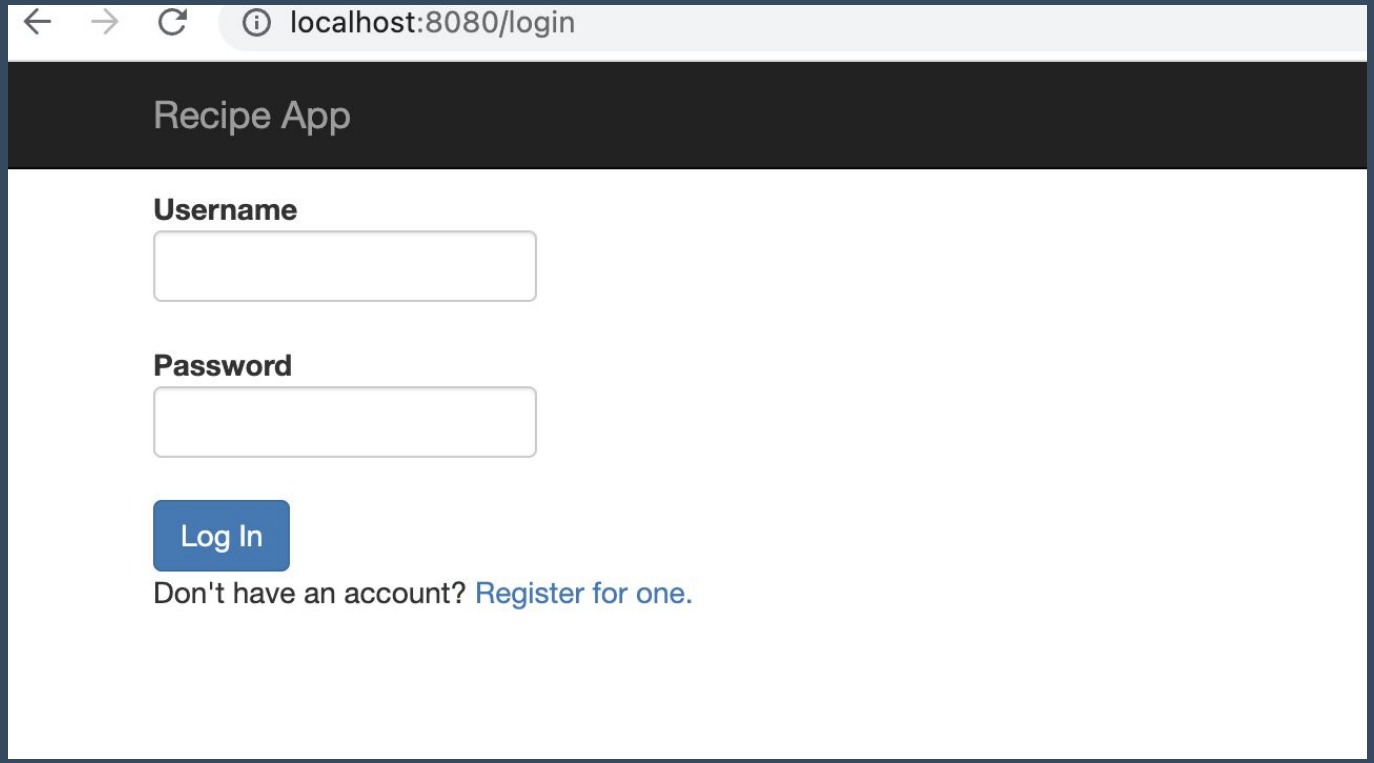
The Recipe have three tables in the database.

- Users
- Ingredients
- Recipes

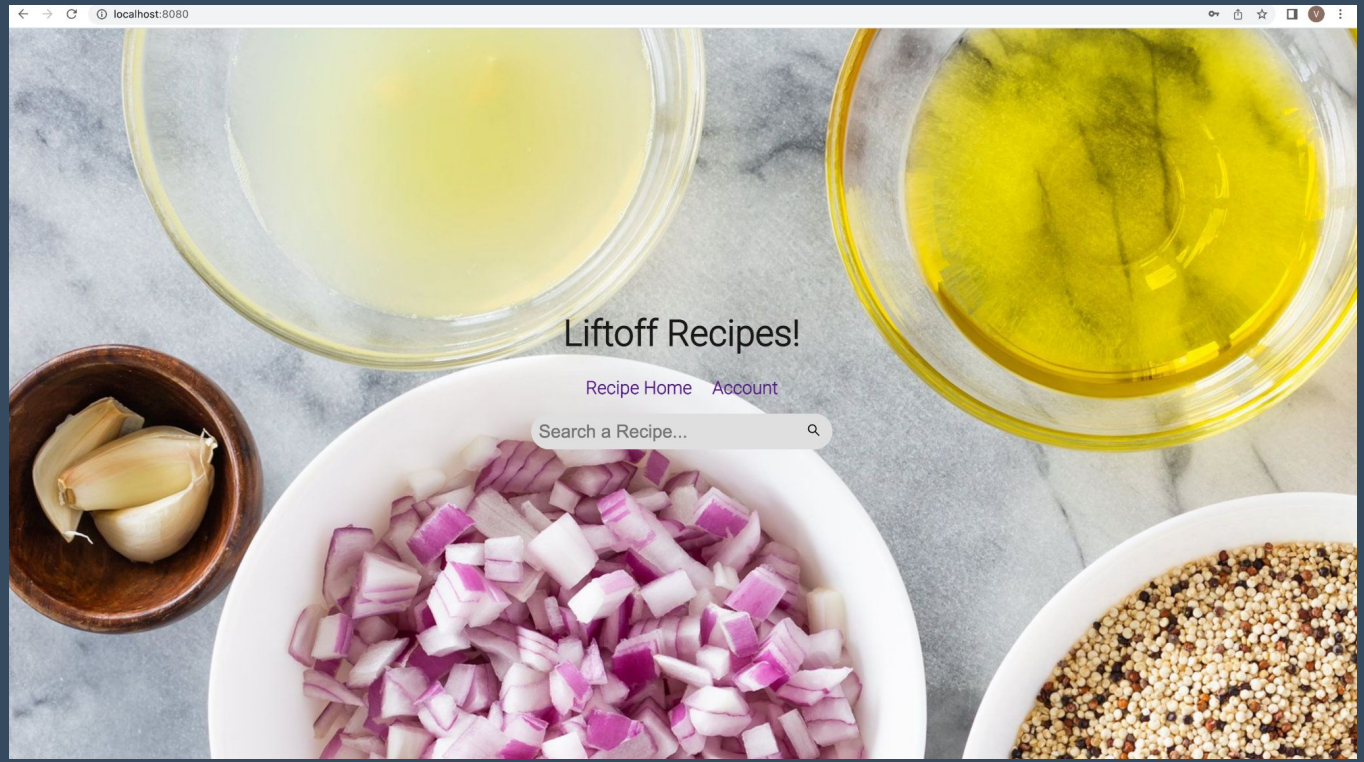
Technology Stack

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

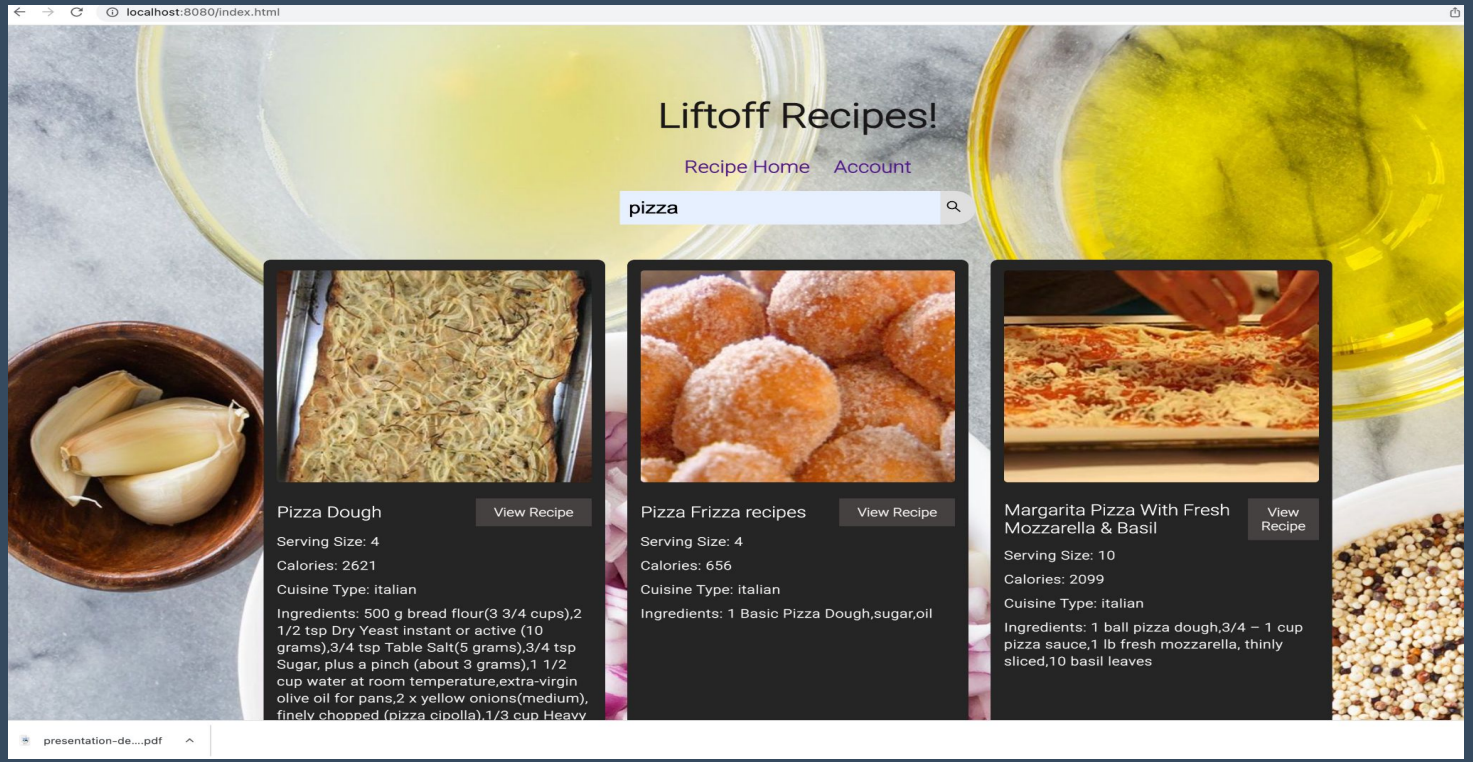
Demo - Create a User



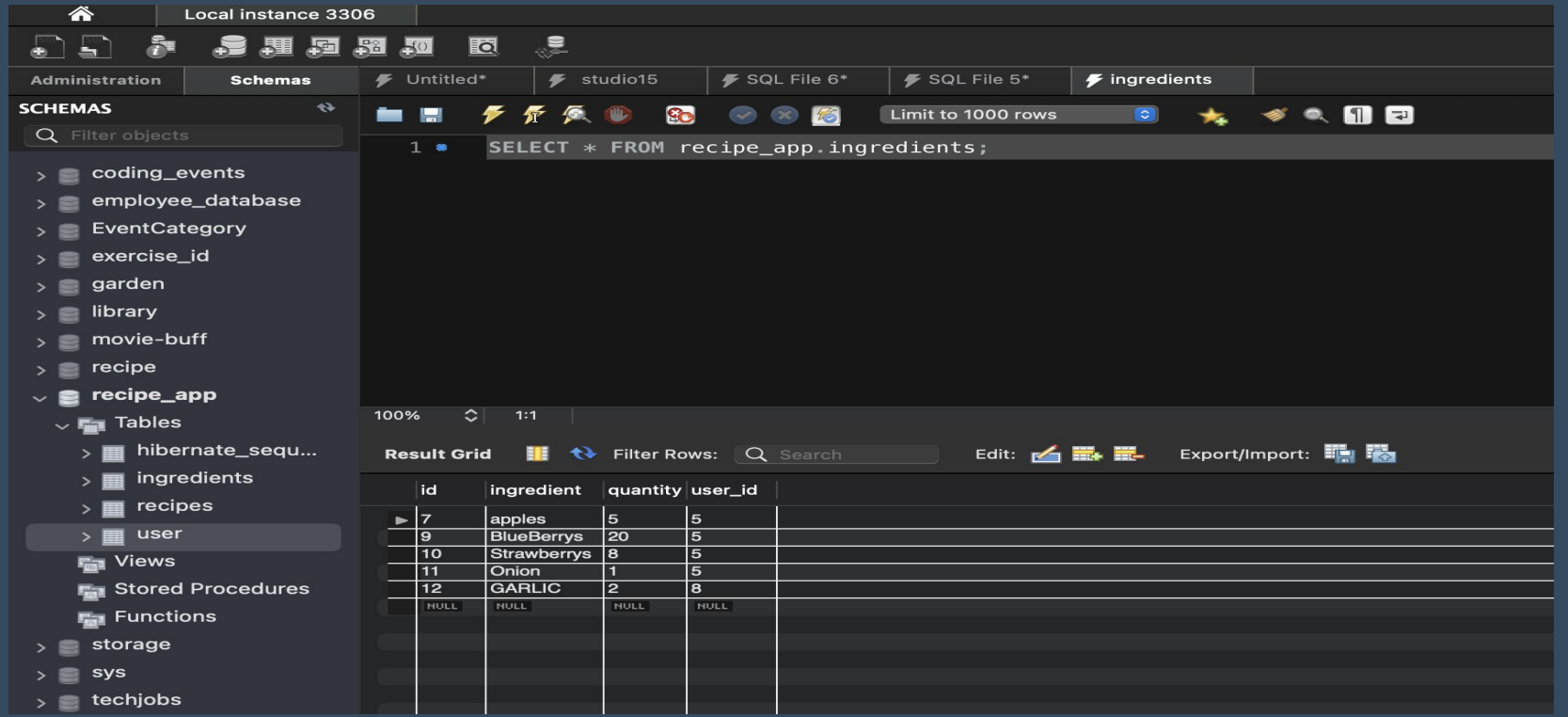
Demo - Recipe Search



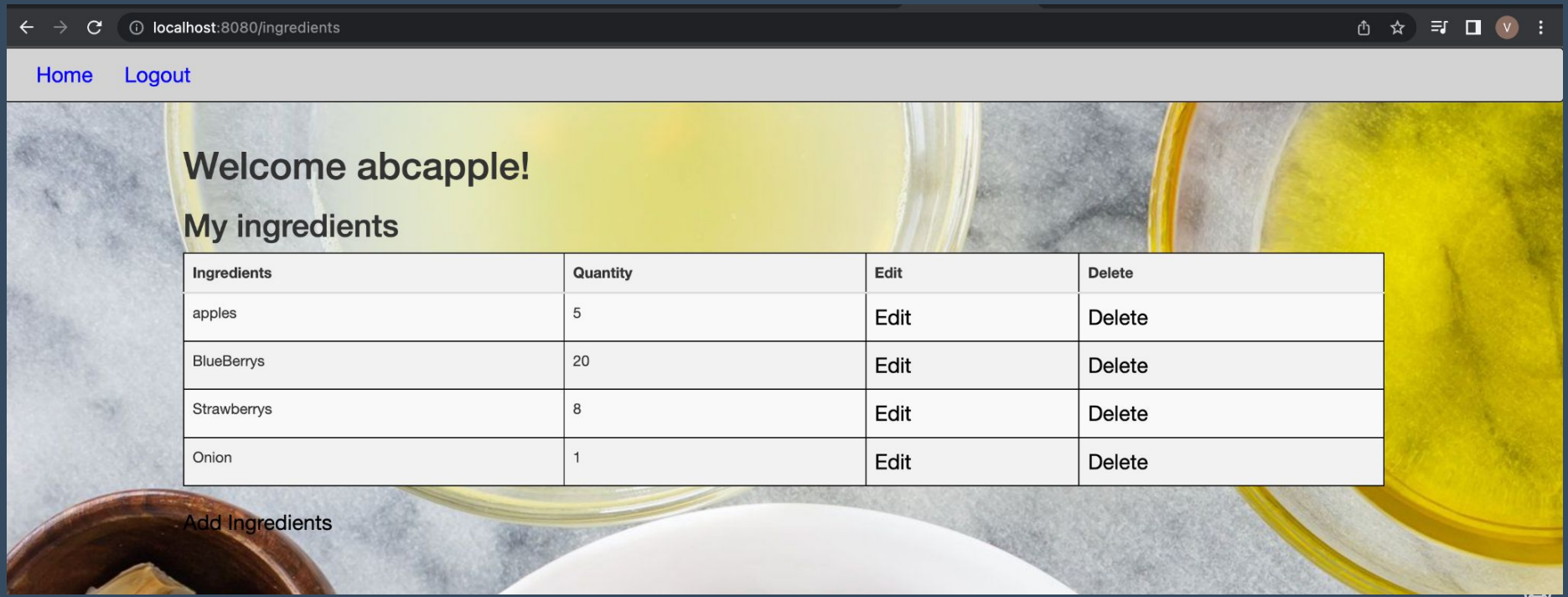
Demo - Recipe Search Result



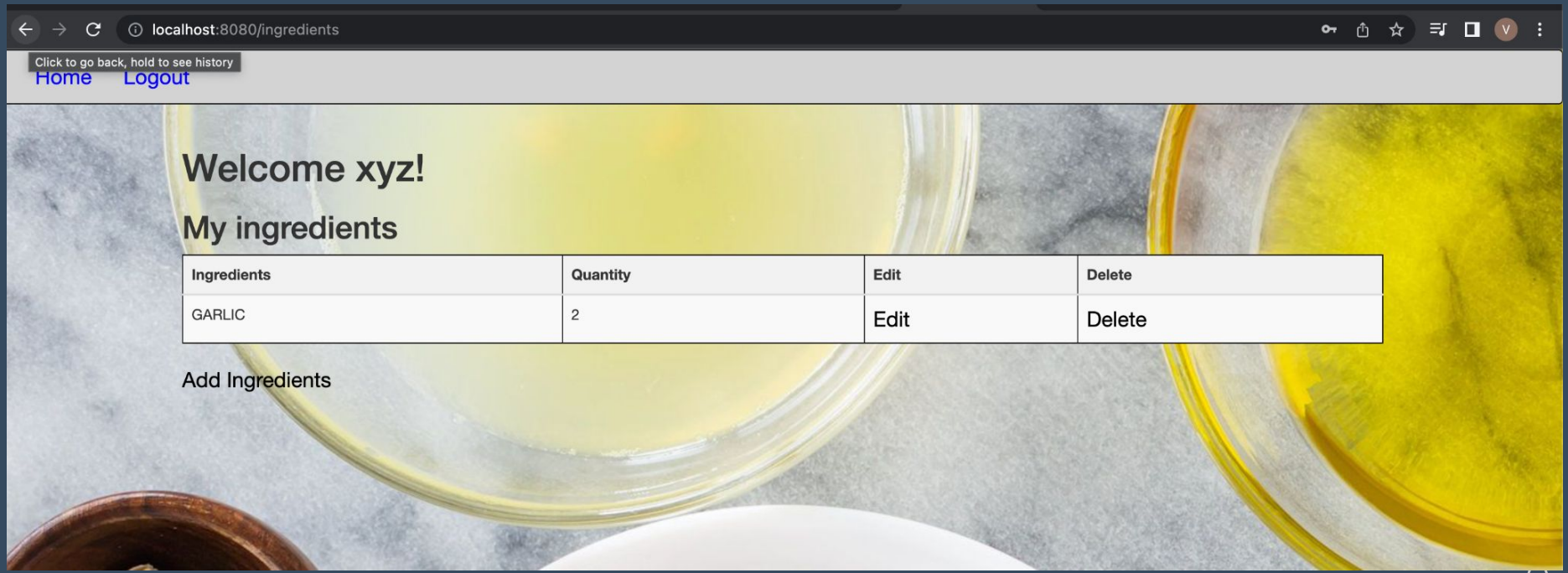
Demo - MYSQL database



Demo - User1 Ingredients



Demo - User2 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.