Build-A-Bite

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github.com/LaunchCodeLiftoffProjects/team_mcdev

Description

Do you have a desire to improve your everyday culinary experience? Do you want to make the most of the groceries you currently have in your kitchen? Are you sick of eating sandwiches in lieu of a real meal?

The McDev Cooking Association is proud to present: ***Build-A-Bite***!

A straightforward and practical tool designed to provide ideas, inspiration, and easy-to-follow recipes.

For users who have the materials, but not necessarily the know-how, of what to make for their next meal.

Search our database for recipes of your next meal, complete with step-by-step instructions!

Features

- Allow users to login and create a profile **[basics]**
- CRUD functionality **[basics]**
- Ability to search recipes based on a specific ingredient **[mvp]**
- Allow for filtering of search results
- Implement a tag system to find groups of recipes **[mvp]**
- Allow users to create and save recipes to database
- Allow users to save/favorite recipes

Planning - User Stories

Starting from the homepage, the user will be able to search the database for recipes based on the search parameters the user enters. Users can also find recipes based on tags associated with the recipes. These tags will allow the user to browse a collection of recipes linked to the tag they select. If the user wants to add a recipe or favorite a recipe for easier access, they can create an account or login if they already have one.

Planning - Database

Describe what tables are necessary in your DB, and how they relate to one another. Your goal is to show how you designed your database to allow for the user stories listed above.

In our database, we utilized several tables: User, Recipe, Ingredients, and Tags. These tables have relationships that allow us to store connections in the database as well:

- Recipes-Ingredients(many to many)
- Recipes-Tags(many to many)
- User-Recipes(one to many)

Technology Stack

- JavaScript, Java, Html5, CSS3
- Spring Boot
- MySql
- Other libraries or components Includes
- Spring Boot Starter Web
- Spring Boot Starter Data Jpa
- Lombok
- Hibernate
- Spring Security

Demo

What I Learned

- The detailed interactions between API and the UI
- The creation of an API sophisticated enough to handle all related requests.
- How to pass JSON data to and from the API to save data to the database and render stored data on the frontend.
- How to use CSS Grid

What’s Next

- Another feature (give the user ability to add more ingredients)
- Maybe snazzing up the UI
- Learning something else new!