Dinner Circle

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Description

Dinner Circle was conceived during a conversation with my wife, who expressed annoyance that she had to use several apps for meal planning and shopping, and that none of the apps talked to each other. Dinner Circle automatically adds ingredients to the user’s shopping list as recipes are added to their meal plan.

Features

- CRUD Repository Functionality
- Information in Tables Attributed to a Single User
- Filtered Lists
- Shopping List Syncs With Meal Plan

Planning - User Stories

Dinner Circle is useful to individuals and families looking to make their grocery shopping and list-making more efficient.

Once the user creates a meal, it can be added to their 7-day meal plan, and ingredients for the recipe are added to the user’s shopping list so that they don’t have to write down each individual ingredient as they plan their shopping trip.

Planning - Database

Dinner Circle’s Database:

- A table that stores user account data, including hashed passwords and a link to the user’s individual meal plan and shopping list (One-to-One).
- Tables for Ingredients, Recipes, and Ingredient List Items (Recipe: Many-to-One, Ingredient: Many-to-One)

Technology Stack

- Java 14
- Spring Boot
- ThymeLeaf
- MySQL
- Bootstrap, Hibernate, Spring Security

Demo

What I Learned

- I learned quite a bit more about database relationships and planning.
- Spring Security and linking individual table entries to specific user accounts.
- Multiple form handling and form methods.
- Much better understanding of situational template handling (if database says this, display that, otherwise do this).

What’s Next

- Social Features (users can suggest meals to “friends”), Family Accounts (Significant others share meal plan and shopping list with separate logins)
- Deployment Through GCP or AWS
- API Integration to pull in existing recipes and info (Makes it easier for users to explore new recipes and not as exhausting for new users to get started).