

FeedMe

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Description

FeedMe is a decision-making app for when you get hungry but just can't seem to decide on something to eat. Users will be able to keep an inventory of what foods are immediately handy, nearby establishments for takeout and delivery or what ingredients they have available for cooking and the app will pick an option at random for them.

When hunger strikes, the goal of FeedMe is to customize, simplify or downright remove the decision-making process.



Features

Users who are not logged in can:

- Create up to six columns containing lists of what's available based on their own categorization. Those columns are saved to local storage, and each column has a button to randomly select an item from the column.
- Create an account and log in.

Logged in users can:

- Save their columns to a database
- Save multiple column layouts based on whether they are at home, work, or really based on any other criteria.



Planning - User Stories

The inspiration for this project came from something we've all said to ourselves at least once - "I'm hungry but I can't decide what to eat."

For those of us living with neurodivergent minds, this often becomes far more than an inconvenience, but something that has a direct and profound impact on our health.

So, our team created an app to help make that decision when we find ourselves standing at the fridge letting the clock tick, reaching for whatever is within arm's length regardless of being good for us or not, or simply not eating.

FeedMe picks it for us.



Planning - Database

Our database currently contains three tables - users, choice columns and column layouts. Each user has bidirectional mapping to multiple choice columns and multiple column layouts, and each layout to multiple columns as well.

The controllers and spring security are wired to only retrieve columns and layouts mapped to the currently authenticated user.



Technology Stack

Front End

- Typescript
- Angular
- Bootstrap

Back End

- Java
- Spring Boot
- Spring Security
- Hibernate
- MySql
- Json Web Tokens



Demo



What We Learned

- Json Web Tokens for connecting our backend api to our frontend ui
- Deeper dive into Spring Security and retrieving user information to associate created objects with logged in users
- Angular routing
- Having our backend api consume an external api



What's Next

- Finish connecting front end to Edamam api through our own backend api, then apply format and styling
- Give the users the ability to save references to their favorite recipes (within the bounds of what Edamam allows us to store on our database - id and name)
- Work in exclusions (allergies etc)
- Give users the ability to open up Google Maps searching for results of order-out related columns
- Maybe wire in other apis (Doordash etc) to allow users to order food directly from the app

