LetsGoEat

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Description

LetsGoEat is an app that helps users to decide on a restaurant based on matches to their input criteria, including cuisine type, price range and location. More spontaneous users can choose to view a randomly-selected match, but there is also an option to view a list of all matches. Users can "favorite" restaurants in the database and access their list of favorites from their profile.

Features

- User authentication
- Input form with 2 actions
- Calls to Yelp Fusion API
- Store user favorites in database
- Manipulate results by sorting tables

Planning - User Stories

- Users can create an account, log in and log out.
- Users can answer basic questions about the type of food they're craving, how far they want to go to get it and what price range they want to stay within. They can then choose to either view all results from the Yelp Fusion API that match their input, or have a random result chosen for them.
- Users can manipulate the table of full results by sorting each column, or clicking on a restaurant name to see more information about it.
- Users can add restaurants to their list of favorites for future reference.

Planning - Database

- Users are stored in a table containing an ID, username and encrypted password
- Restaurants that have been selected as a “favorite” are stored in a table containing an ID and restaurant name
- A join table consisting of User IDs and Favorites IDs facilitates the many-to-many relationship between users and favorite restaurants

Technology Stack

Java

Spring Boot

Thymeleaf templates

MySQL

Yelp Fusion API/JSON

Bootstrap

Demo

Click here to view a demo

What I Learned

- Connecting to an external API and reading JSON data in Java
- Implementing two actions for one form
- Accessing profile information stored in database in accordance with user session (i.e. user’s list of favorites)

What's Next

IMMEDIATE:

- Fix result display (specifically cuisine and location)
- Finish building out the "favorites" functionality
- Fix Bootstrap and styling issues
- Enable table sorting
- Link all results to individual restaurant page (based on "single results" page)
- Improve error handling and make bug fixes

FUTURE:

- Use more of Bootstrap's tools to make interface more visually appealing
- Add a social component, i.e. taking input from multiple users, sharing results on social media platforms, etc.
- Export results with the aim of sharing among a group of friends
- Develop a mobile app version
- If no full matches exist, offer approximate matches