ABCDR Presentation

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CMSI 4072
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Project Description

- React Based, Firebase backend website featuring Google Places and Edamam APIs

- Website that allows for a user to search for local restaurants based on zip code, city name, or restaurant name

- Click on specific menus of restaurants and, using checkbox allergy selections, highlight foods that are safe to eat, cautious, or not safe for consumption.

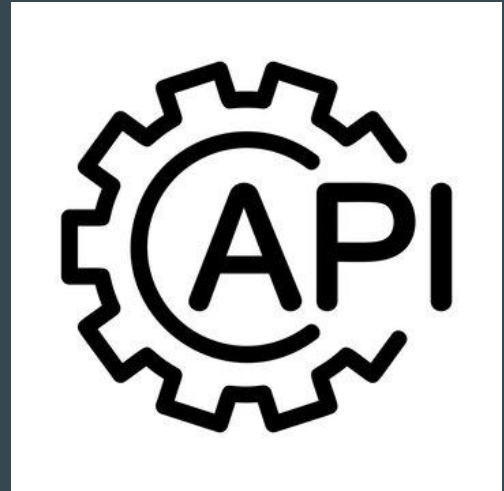- Users can also login and save preferences to an account for future use

Project Goals

- Finish a functional version of the project that runs smoothly and demonstrates the main ideas and objectives of the project -> Lack of true menu API

- Properly and safely use API's to not only produce the final project, but teach myself more about the concept itself.

- Create an application that can help friends and family with allergies, even if only to a certain extent

- Expand my own knowledge of React and Firebase

Project Justification

- Project interest stems from a goal of helping friends and family with these issues and learning more about the code behind how to make the project

- Uses web design knowledge I have gained in personal projects and in projects I have done around LMU while expanding API knowledge I lack

- Makes for a realistic goal that can be made into a strong milestone at the semesters end

Enter Restaurant Name, City, or Zip Code

Search Results for "90045"

- **The Proud Bird**
  11022 Aviation Blvd, Los Angeles, CA 90045
  ⭐ Rating: 4.3

- **Truxton's American Bistro**
  8611 Truxton Ave, Los Angeles, CA 90045
  ⭐ Rating: 4.5

- **Aliki's Greek Taverna**
  5862 Arbor Vitae St, Los Angeles, CA 90045
  ⭐ Rating: 4.5

- **KANPAI JAPANESE SUSHI BAR & GRILL**
  8736 S Sepulveda Blvd C, Los Angeles, CA 90045
  ⭐ Rating: 4.4

- **Ayara Thai**
  6245 W 87th St, Los Angeles, CA 90045
  ⭐ Rating: 4.3

Work in Progress

Menu for Restaurant ID:

Allergy Filters:

☐ Peanuts ☐ Soy ☐ Shellfish ☐ Dairy ☐ Gluten ☐ Eggs

Menu Items:

- Pizza
- Pasta
- Salad
- Soup
- Sandwich
- Steak
- Fish

Project Challenges

- Capability of making two API's safe, secure, and working with each other in tandem throughout the project restaurant search and allergy selection

- Managing Firebase authentication rules to make sure no one can see another person's information and data they submitted while having stable hosted servers

- Handling state management between variables, functions, and hooks

Status Update

- Complete Menu Page with Edamam Functionality and nice CSS

- Firebase authentication and hosting completed with website link

- Completed documentation / presentations in Github

Title	Description	Status	Goal Date
Menu Page CSS	Finish CSS to make it similar to other pages + add higlight colors	In Progress - personal repo	4/9/25
Completed Menu Items page	Finish adding basic menu items + checkboxes + other features	In Progress - personal repo	4/11/25
Edamam API Local Server Functionality	Finish Edamam API functions + code in Server.js	In Progress - personal repo	4/23/25
Edamam Functionality Across App	Complete Edamam functionality specified in Docs	Not Complete	4/28/25
Firebase Profile Creation	Personal profiles with Google Firebase	Not Complete	4/30/25 - 5/3/25
Firebase Hosting	Firebase Hosting of site	In Progress - personal repo	5/3/25-5/7/25