

Bite

Team Munchies :

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What are we trying to accomplish

Our goal is to help users get matched with a place to eat based on their preferences. We will assist them in making a decision and remove the guesswork when it comes to finding the right place to eat.

Overview

A working web app that matches users with restaurants in their area matching their search preferences. The web app should take the user's location (either by specified zip code or location services), and get relevant restaurant listings from Yelp API. They can answer a series of filters to provide the most accurate restaurant matches based on their filter response.



Sprint 1

User Story 1: As someone searching for a place to eat, I want to have a list of restaurant nearby.

- Base Page / Layout
- Landing Page / Location Search
- Results Page

User Story 2: As someone finding a place to eat, I want to have reliable reviews of the location.

- Get access to the Yelp API
- Implementing Yelp API response that includes reviews and prices for each restaurant

Spikes

- Understanding the Yelp API
- Figma Mockup of what we want to create

Sprint 2

User Story 1: As a user who is very picky on the food I eat, I want to be able to find local restaurants that can accommodate my particular budget, distance and taste.

- Filter Page
 - Create a new filter page
 - Create Hooks for filter response
 - GET request with filters
 - Locally save the users location to be used with the filter response

User Story 2: As an indecisive user, I want to be given a suggested place to eat instead of searching for one on my own.

- Result Page
 - Highlight one restaurant for the user
 - Display information about the restaurant
 - Share to the user what filter responses we used to curate their response

Sprint 3

User Story 1: As a user with limited time, I'd like the app to remember my general preferences so I can be recommended an ideal restaurant quicker.

- Save users preferences from filters
 - Cache users preferences and previous filter responses
 - Provide more filters to better filter preferences

User Story 2: As a pickier eater, I'd like to favorite or dislike a restaurant so that my future recommendations are more accurate.

- Result Page
 - Add in display for restaurant details, filters, give user options
 - Add button to see if the user liked or disliked their match

Sprint 4

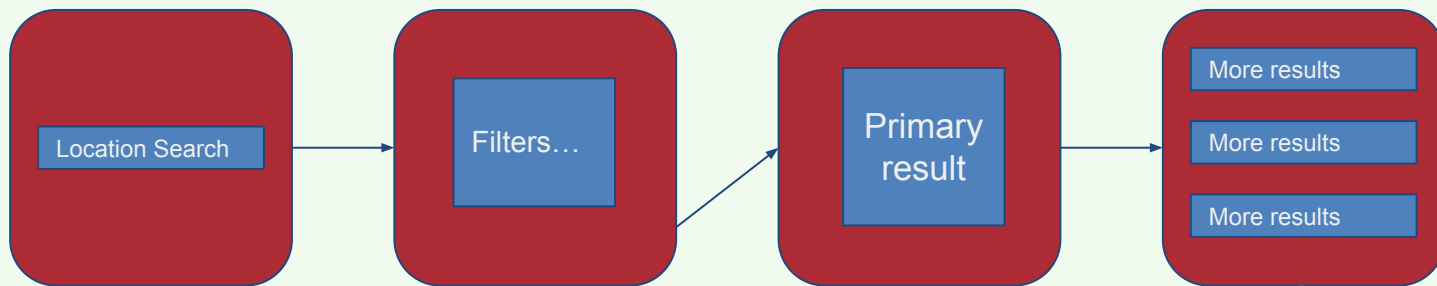
User Story 1: As a traveling consumer, I'd like the app to search automatically with my current location.

- Optional Restaurant Page
 - Displays other restaurants around the user if the randomly selected restaurant does not suit them
 - Cache users preferences and previous filter responses

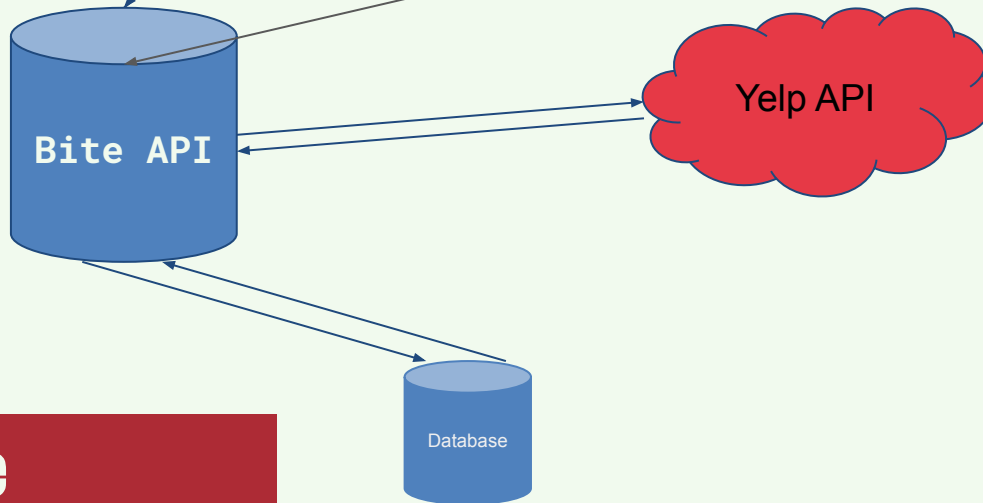
User Story 2: As user with limited knowledge of technology, I do not want to struggle when finding a restaurant.

- Test our website and interface for accessibility and ease of use
 - Use react native to clean the interface for mobile
 - Get a good lighthouse score

Frontend



Backend



Architecture

Mock Ups

Bite

Finding a place to eat near

Santa Cruz, CA



Filters

Distance

15 miles

Price

\$

\$\$

\$\$\$

\$\$\$\$

Rating



Cuisine

American

Barbecue

Chinese

Hamburger

Italian

Japanese

Pizza

Mexican

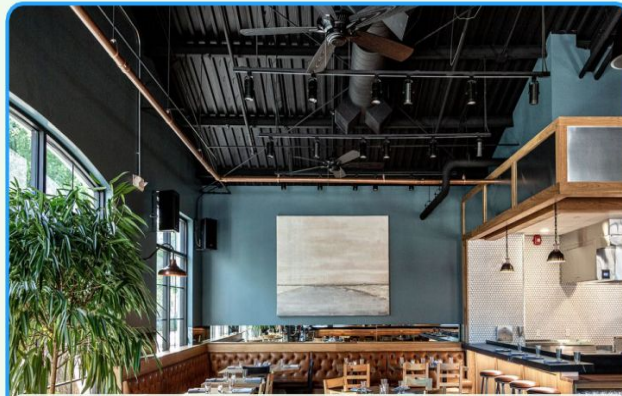
Sushi

ANY

Bite

Finding a place to eat near

Santa Cruz, CA



Best Bite for you: Restaurant Name

★★★★★(36)

\$\$\$

filter matches

filter matches

filter matches

Not interested? See more matches

Technologies

React & React Native
- for page layout and
interactive UI

Node.js - for backend
server environment

Express.js - for backend
HTTP endpoints

Axios.js - for sending
requests between the
frontend and backend, as
well as requests to the Yelp
API

SQLite - for storing user
preferences

Challenges

- Unfamiliar technologies
 - new to react and javascript
- Dividing up work and collaborating with everyone
- Time challenges with everyone's schedule
- Trying to provide the most accurate responses
- Trying to step outside of the normal responses from Yelp or Google

Minimum Viable Product (MVP)

A web application where users begin by inputting their location and preferences, in return be provided with one restaurant.