AUSTIN EATS

Technical Report: Phase I

Group 10-3

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Overview/Motivation

AustinEats was created with the intention of encouraging Austin residents to try more local restaurants, thus supporting our local businesses and enriching our city.

There are already so many good, well-established restaurants in the city, with more and more popping up everyday. By allowing users to sort through a list of restaurants based on location, pricing, cuisines, and ratings, AustinEats provides an easy user experience when finding their next dining experience.

After dining out, users can return to the website to find out more about their restaurant experience: AustinEats lists recipes for favorite menu items from restaurants, as well as descriptions of the cultural origins of these dishes. Through these features, AustinEats intends to be a wholly encompassing companion website for users experiencing the rich food scene of Austin, Texas.

User Stories: Received

1. Group menu items by culture and cuisine
    a. I am a user who is looking to try out specific menu items based on the cuisine that I'm feeling. I like that your website displays statistics for all Austin restaurants and their reviews. I would like to be able to group menu items by cuisine - for instance, show unique or highly rated menu items across all restaurants under a specific cuisine.
    b. RESPONSE: This feature is something we had planned as a feature for phase 2, where we will integrate all of our models with each other (dynamically). This way, under the cuisines tab, it will

have all the restaurants that serve that cuisine. As of right now, this is hardcoded in.

2. Compare restaurants
    a. I am a user who is deciding between two different Austin restaurants to support. While all the data on your site is linked to one another, I want to view my top choices side by side. I would like a display option where I can compare two different restaurants and see their prices, menu items, cultures, and potential recipes.
    b. RESPONSE: I see how having the comparison feature can be useful, a lot of websites have this feature when displaying their products. We will be sure to implement this for phase 2.
3. Most common cultures and recipes
    a. I am a user who is curious about studying the general trends of Austin restaurants. I enjoy looking up restaurants on your site and having all the information displayed for each restaurant. I would like to be able to view some aggregate statistics about what the most common cultures, cuisines, or recipes are across these restaurants, and perhaps connect those to their own regions.
    b. RESPONSE: We will allow the models to be filterable by popularity, perhaps filtering by number of reviews for the restaurant and the population for the culture. For the recipes, however, there is no way to track the popularity, so we unfortunately won't be able to implement this feature for that model.
4. Display multiple recipes
    a. I am a user who is looking to try out different recipes based on Austin restaurants. I like that your website has many filterable characteristics to show specific subsets of data regarding restaurants, recipes, and cuisines. I would like to try out a certain difficulty level of recipes, and be able to view multiple recipes in the same difficulty category, but with different cuisines.
    b. RESPONSE: This is a feature we plan to implement in phase 2. The recipes will be filterable by difficulty. In order to display recipes of different cuisines and the same difficulty, filter only by difficulty level and not by cuisine.
5. Get directions to restaurant

a. I am a user who is looking at the restaurant locations displayed on your website. While I can go to each restaurant's location on the map and find out how to get there, I want to see these locations more generally. I would like there to be a map showing markers where all the restaurants are located on the same map, along with my current location.
b. RESPONSE: We will implement this in phase 2! We will have a map of all the restaurants on the model page. Thanks for all of your input!

RESTful API

Our RESTful API is documented with Postman. Paths are defined for retrieval of data by restaurants, recipes, cultures, as well as individual instances for each model. We have yet to create a schema to depict the expected returns for calls to our API. https://documenter.getpostman.com/view/23508831/2s83tJGW4m One of our biggest challenges came from figuring out our idea and what APIs we would scrape from. We overcame this with trial and error of a few different APIs.

Models

The 3 models in AustinEats are restaurants, cultures, and recipes. Each model has at least 5 attributes, which allows the models to be filterable, searchable, and sortable. These models are connected to each other so that users can find local Austin restaurants, learn something about the culture behind the cuisine the restaurants offer, and have access to recipes of their favorite menu items to try at home.

Models	Sorts/Filters*[1]	Rich Media*[3]
Restaurants	• Alphabetic • Star rating • Which meal (b, l, d)*[2] • Open now / closed • Location (proximity to current) • Takeout/delivery allowed • Culture of origin • Review count • Price $-$$$$	• Photos of the restaurant • Photos of the menu items • Link/pdf of menu • Location on map • Yelp reviews • Link to website
Recipes	• Alphabetic • Cooking difficulty • Time to cook • Which meal (b, l, d) • Culture of origin • Nutrition • Price $-$$$$ • Spice levels	• Photos of the finished recipes • Link to original recipe • Video tutorials • Instructions • Twitter feed of hashtag for recipe
Cultures	• Alphabetic • Continent • Country • Language	• Location on map • Flag (if available) • Photos of the region • Culture description • Videos/documentaries on the culture

*[1]- sorts and filters have not yet been implemented - a lot of these categories will be dependent on what our API has to offer

*[2]- (b, l, d) = Breakfast, Lunch, or Dinner

*[3]- not all rich media has been implemented for Phase I

Tools

We used React to build out our static front end, with hopes of adding dynamic functionality for phase II.

We used Bootstrap to power our CSS functionality and design our page layouts.

Postman was used to send GET API requests to scrape data for our models.

Hosting

Our website's frontend is hosted on AWS Amplify on the domain https://austineats.me. This domain was obtained via Namecheap and CNAME records were used to transfer DNS ownership to AWS.

We have automatic deployment set up with both the main (production) and develop (development) branches.