

Introduction

The project objective is a website where users can add their favorite restaurants list and order the food on a regular basis from their list of restaurants. Modern consumers greatly benefit from the “restaurant save list” system. It is so useful to get a list of restaurants that match consumer’s preferences without much hassle, comparing, and browsing through a long list of reviews for each single restaurant.

ER Diagram

Entity Relationship Diagram is used to design database data models.

I used Postgres software to draw an ER diagram where:

The Yellow key icons in tables is the primary key of restaurant table

The Gray Key icons are the Foreign keys of another table.

The Dashed-lines but in the diagram below lines running across tables shows the relationship of tables with each other.

- **Entity:**

Entities represent data components within a database that could be living or non-living, real or abstract, so long as their data is stored in the database. In ER diagrams, entities are usually depicted by rectangles, with the entity name at the top.

My entities are restaurants, reviews, menu, user, order, order_menu, payment.

- **Attribute:**

An attribute is a description of the properties of an entity or relationship. For example, restaurants attributes name, location and price range. We also can see types of attributes such as character or integer.

- **Relationship:**

A relationship denotes how various entities interact with each other, it can be One-to-One and One-to-Many. For example, one to many restaurants have a relationship with reviews, menu, user and one to one is payment to order.



Application Architecture Plan

Backend: Node

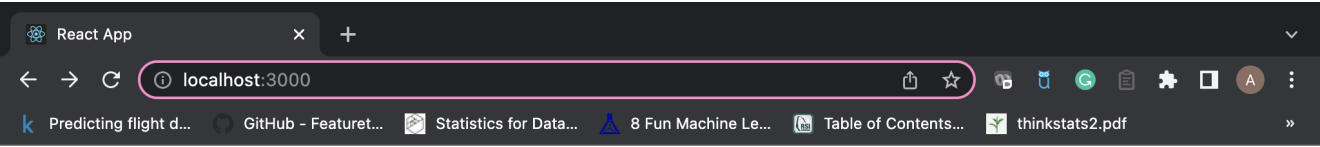
Frontend: JavaScript/React, Database: Postgres

The project will utilize the Node.js uses JavaScript on the server for the backend and the backend will consist of a web server that connects to a postgres database.

The frontend will issue requests to the web server and display the results, as well as send updates.

Below is a list of NYC restaurants, people can add name of restaurant, address, price range, rating. It also can be updated, deleted.

Person can click on a restaurant's name and see other's comments, she/he can add the review, but review can't be deleted, and overall review ranking would be calculating.



New York Restaurant Reviews

Restaurant	Location	Price Range	Ratings	Edit	Delete
Ernesto's	259 E Broadway New York 10002	\$\$\$\$	★★★★☆ (1)	<input type="button" value="Update"/>	<input type="button" value="Delete"/>
Mari	679 9th Avenue NYC 10036	\$\$\$\$	★★★★☆ (1)	<input type="button" value="Update"/>	<input type="button" value="Delete"/>
Tsion Cafe	763 St Nicholas Ave New York 10031	\$\$\$\$\$	★★★★★ (2)	<input type="button" value="Update"/>	<input type="button" value="Delete"/>
Wayan	20 Spring St New York 10012	\$\$\$\$\$	0 reviews	<input type="button" value="Update"/>	<input type="button" value="Delete"/>
Han Dynasty	215 W 85th St New York 10024	\$\$\$\$	0 reviews	<input type="button" value="Update"/>	<input type="button" value="Delete"/>
Cafe China	59 West 37th Street NYC 10018	\$\$\$\$	0 reviews	<input type="button" value="Update"/>	<input type="button" value="Delete"/>

Ernesto's

★★★★☆ (3)

Aigo Madakimova ★★★★★

WOW, I love the restaurant and food.

Amir H. Sadoughi ★★★★★

Good service, OK food, nice decor. I'm not that impressed. The mixed appetizer menu (\$68), and the mixed grill (\$68) are not the greatest

Bri Atkinson ★★★★★

The people working here were super nice. They had to accommodate a large surprise party and did a great job.

Name

Rating

Rating



Review