

St. Louis Restaurant Guide

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Description

My project is a web application that serves as a restaurant guide in the St. Louis, Mo area. Users can create an account and look up types of restaurants that they can visit. They can also search for restaurants by their names to see information about them. The goal is to make dining out selections easier.



Features

- Register for an account: Users can create their own accounts and have a login.
- Create and edit restaurants: Users can create and add restaurants to the application. They can also edit their entries.
- Create reviews: Users can create reviews on the restaurants.
- List of restaurants: Users can view a list of all the restaurants in the application
- Custom “To-Visit” list: Logged in users can save restaurants in the application to a “To-Visit” list.
- Search Functionality: Users can search for specific restaurants by their name.



Planning - User Stories

This application is useful for anyone looking for restaurants to try in the St. Louis area. Users can also see reviews on certain restaurants they would like to check out. It is helpful that users can save their own lists of restaurants that they would like to visit so this makes future decisions on where to go much easier.



Planning - Database

Primary databases are for logged in users and admin users. Users are able to add restaurants to a “To-Visit” list since there is a database that associates the UserId with the RestaurantId. This UserVisitLists database interacts with the Restaurants Database and AspNetUsers database to allow for this capability.



Technology Stack

- C#/.NET Framework
- EntityFramework Core
- SQL
- Bootstrap CSS & JavaScript



Demo



What I Learned

- Bootstrap 4 and the bundled JavaScript components
- Identity Core and how to extend Identity Core
- Creating custom list based on UserId
- Implementing search functionality
- LINQ for easier database queries



What's Next

- Improve on the user interface
- Fully implement the admin and user roles
- Deploy application to web server. Use lessons learned to deploy to a Docker container.

