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FooDecisive: A Choice for You

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Problem

People experience choice overload, when people have trouble deciding when faced with many options [1]. Moreover, there aren't many platforms that emphasize user interaction.

Technologies

ReactJS: The frontend of our application is built using React, a UI framework by Facebook.

Python Flask: Flask is a lightweight Python framework for web development. The backend of our application is built using Flask.

Apache Spark: Our recommendation system model is trained using Spark distributed computing on the Databricks platform.

Your generated Recommendations!

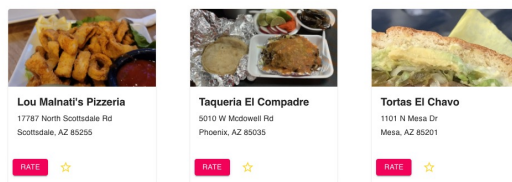


Figure 1: Recommendations

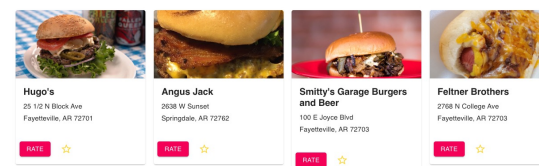
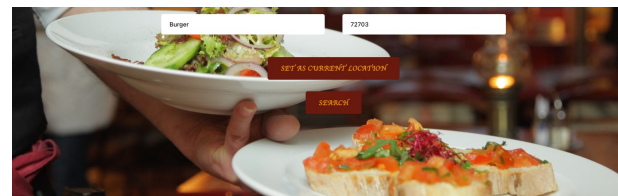


Figure 2: Search View

Objectives

Search Functionality
User Authentication
Recommendation Engine
Conversational Chatbot
Rating/Review Functionality
Holistic and enjoyable UX

Design

Home Page: Describes features of the app
Login: Allows user to login with account
Registration: Allow users to create account
Favorites: List of restaurants that user stars
Recommendations: List of generated restaurant recommendations for user
Chatbot Page: A conversational chatbot ready to assist the user with queries
Profile Page: Allows user to view history of reviews and option to change their review/rating
Search Page: Allows users to search restaurants in nearby area or any area with options to filter.
Restaurant Detail: Allows users to rate/review restaurants and includes a Google Map for directions.

Conclusion

Overall, our project was a success, and all features were implemented according to schedule. With exciting features such as a recommendation engine and a conversational chatbot, our website provides user interaction to those who face choice overload when selecting restaurants to go to.

[1] "Scientists Uncover Why You Can't Decide What to Order for Lunch." California Institute of Technology,
<https://www.caltech.edu/about/news/scientists-uncover-why-you-cant-decide-what-order-lunch-83881>

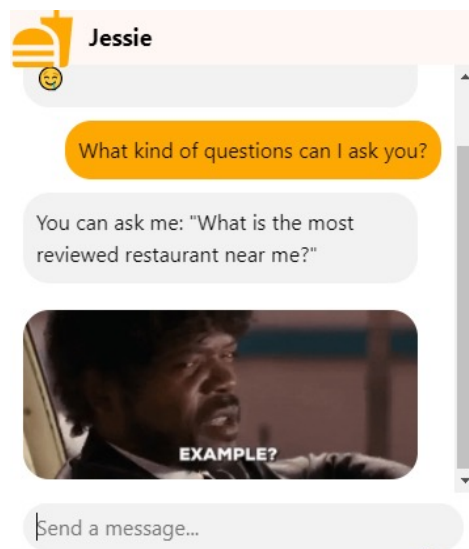


Figure 3: Chatbot