Table Reserve Restaurant Search Scenario

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The table reserve program is meant to allow users to search for nearby restaurants using location tracking features, see the availability of seating at the chosen establishment, and ultimately reserve a table to dine at. As the first scenario, it will describe the basics of the restaurant search feature and the capability to see an individual restaurant's availability. This is the basis from which this program can expand and meet all of the desired functions.

The search feature is specifically designed to not only help users find restaurants that might be new and fascinating to them, but also to skip being in a crowded place for longer than they have to be. From the very start of this project, user comfort is the forefront concern and will continue to be so.

"Restaurant Search" Scenario

The Restaurant Search application is intended to include two applications. One for restaurants and one for the user. The two applications will be connected and be able to talk to each other at any moment.

To begin, the user is met at the home screen with a prompt to enter an address and choose from a list of distances that they would like to filter from. Once the user has typed in the address and hit Enter, they will be met with a list of restaurants that have been found given a range. From here they can see the category of food the restaurant offers, the name of the business, and a gauge as to how busy the place is at the current moment using API's provided by Google or by other customers "checking-in".

Upon choosing a location, the user will be sent to a screen providing more information about the place. The exact amount of open seats/tables will be available for the user to be able to choose to their liking. Additionally, the user will also be provided with a menu and could go through it and see if they like the food.

As the user is choosing food, the telemetry of what items are being viewed the most will be sent back to the restaurant. This could provide useful information to the restaurant about what people click on the most.

If the user is convinced in going to that restaurant, they would be able to reserve a table. They would list the amount of the tables they are looking for and the amount of seats at the table they would need. The information would then be relayed to the restaurant either by using other API's like OpenTable.

The restaurant has the ability to add or delete more seats as they like. They can additionally control their description, hours, and any other operational needs.

As long as the client's requirements fit within the restaurant's capabilities the client would then move to the next screen where the user will then need to input card information in order for the restaurant to have a card on file. Once the card is verified via the restaurant, then the user will be notified and given an estimated wait time until their table will be ready for them.

Any updates on said waiting time will need to be provided by the restaurant and will appear on the users end in the event of any changes. The restaurant can also call or text the user to keep an update on the status of the reservation or ask for any dietary restrictions.

While they wait for their table to be available, they will once again be prompted with the link to the restaurant's menu so they will not have to spend time at the establishment doing so.

From here, the user now has a table waiting for them and a good meal calling their name, while the restaurant has a connection with the user and can make them plan more accordingly. After the reservation is successfully completed, the user will have a survey sent to them where they can rate their experience.