We will be making an application that will allow the user to do tasks such as order food or reserve seats at the restaurant. The application will be able to display the menu as well as prices of the restaurant and as items are added to the order the total price is adjusted accordingly. The goal of the application is to make the process of making orders from a restaurant quick and simple, and to improve the experience of the potential customer at the restaurant. The potential users of the applications would be customers of the restaurant that would like to make reservations, orders ahead of time, as well as people that would like to see what the restaurant has to offer. The implemented functionalities by the project would be, adding food to the order, paying for the order, removing items from the order, making a reservation at the restaurant, canceling reservations.

The functionality for adding food to the order would include giving the customer the ability to add food from the menu to the order/cart. When an item is added to the order the customer will be able to see the total price of the order. If the customer chooses to continue adding items to the order, the system will then go through and update both the total number of items in their order, and the new total price of the order so the customer can see the updated total price for the order and total number of items in their current order.

Another use case would be removing items from the order of the customer. The customer will be able to look at their order and decide if they would like to remove items from their order. After the customer removes their chosen items from the order, the system will go through and update the information so that customer will be able to see their new total price as well as the updated items that are in the order after the customers actions.

A different use case would be letting the customer be able to reserve seat(s) at the restaurant. The customer will be able to choose a date to reserve a seat or multiple seats at the restaurant ahead of time through the application. If the date that the customer chooses is already taken, they will be able to know and choose a different date if they would like. When the customer looks at the application, they will be able to see the number of seats as well as the date that the reservation is set too.

Another use case would be to let the customer pay for their order through the application. The customer will be able to choose a payment method, whether they want to pay in person, or with a debit/credit card and complete their order. If the customer credentials are incorrect then they will be prompted to re input their information to make the payment. Once the payment goes through then the restaurant will be notified so that the order gets made. After the order is made it will then be delivered to the customers address.

An additional use case would be the customer having the ability to cancel the reservation that they have made through the application. The customer will be able to see their current reservations, if they have any, and will have the ability to cancel their reservation. Once they cancel their reservation the restaurant will receive the notification and confirm the cancelation. Once the reservation is canceled the dates that were reserved will be cleared from being reserved so they become available once again.