# Server Side Implementation

1. Customer View

In the restaurant's menu page, the client will call the get function in the server to the path '/customer/get/products' and get a list containing all products in the database and display them to the customer. Each product consists of Product ID, Name, Price, Category and Image Link. Server gets this list by querying products in the database and returns it to the client.
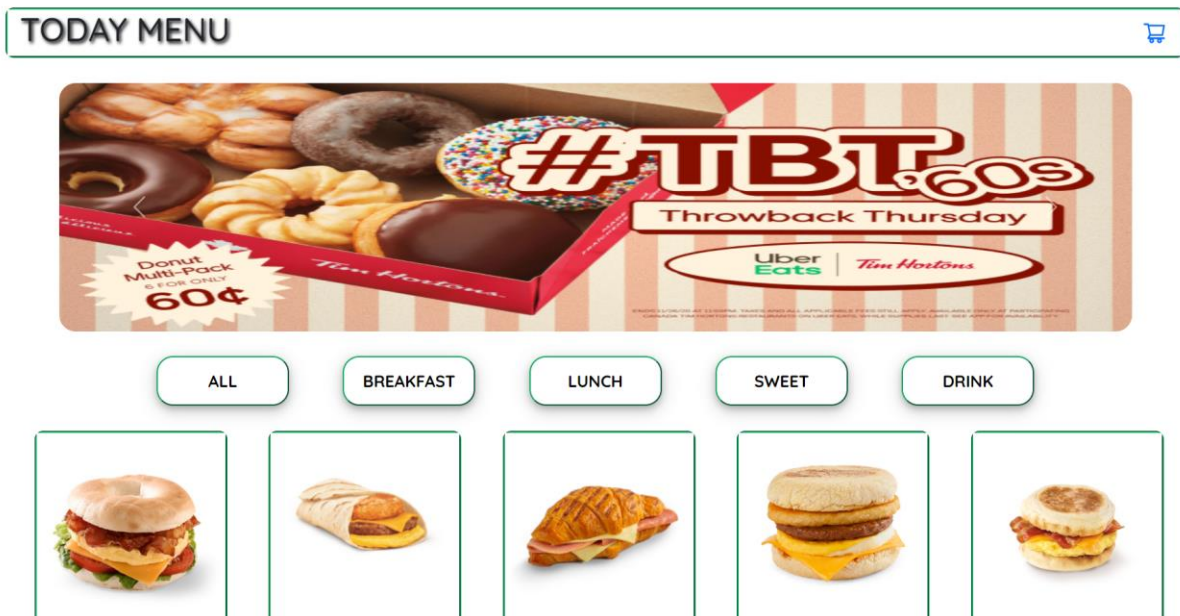
Menu Page (1)
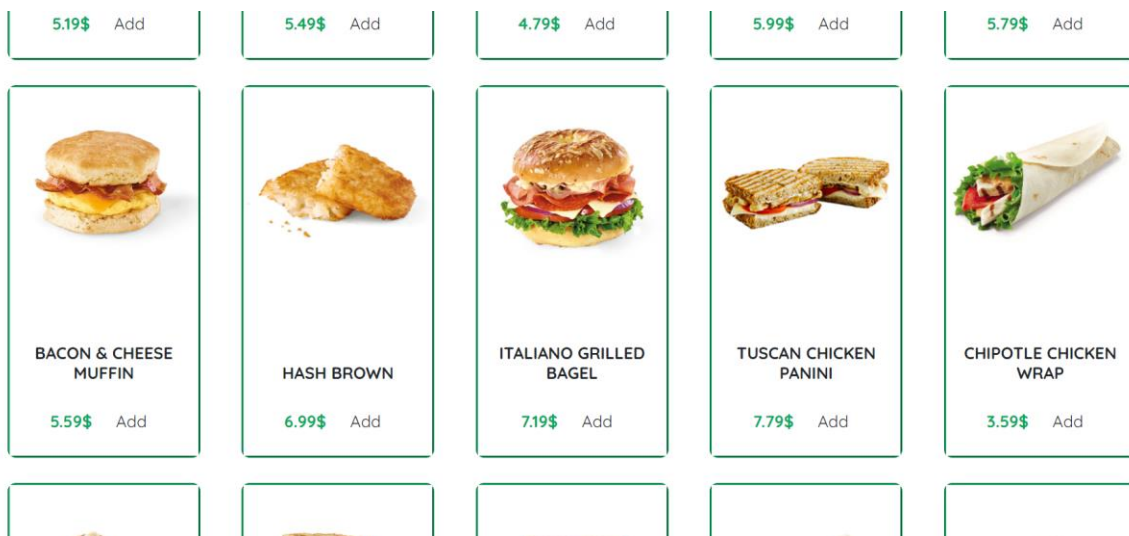
Menu Page (2)

Every time the customer changes their cart in the Menu page and My Order page, the client saves changes locally to the client. In the Payment page, the client will call the server to add a new order and payment to the database only when the customer clicks the Confirm button in Physical option and Valid button in Online option. The client does it by calling the post function in the server to the path 'customer/post/payment'

PAYMENT

| Date: 11/26/2021 | Time: 11:01:46 PM | Table No: 1 | Total Cost: 48.52$ |

Physical Payment   `Pay Later`

Online Payment   `Pay Now`

Payment Page

Online Payment Modal

2. Clerk View

In the clerk view page, when the clerk clicks the Pending Orders button, the client will call the get function in the server to the path '/clerk/order' and get a list of all pending orders, when the clerk clicks the Pending Payments button, the client will call the get function in the server to the path '/clerk/payment' and get a list of all pending payments. The server gets the list by querying orders and payment data in the database.

When clicking the Confirm button in View Pending Orders, the client will call the post function in the server to the path '/clerk/updateorder' and update orders status from pending to confirmed. When clicking the Confirm button in View Payments Orders, the client will call the post function in the server to the path '/clerk/updatepayment' and update payments status from pending to confirmed.

Clerk View - View Pending Orders

Clerk View - View Pending Payments

When the clerk clicks the Details button, the client will call the post function in the server to the path '/clerk/order/detail' and get a list containing all information about that order. Server gets the list by query table [rorder], [rpayment], [cart], [rproduct] in the database. The Confirm Customer Order button below the Order Detail page is identical to the Confirm button in View Pending Order

Clerk View - View Order Detail

Clerk View - View Payment Detail

## 3. Receptionist View

In the receptionist view page, the client will call the get function in the server to the path '/receptionist/get' and get a list consisting of every table's number and status. Server gets the list by query table in Database and returns it to the Client to display the table's status.
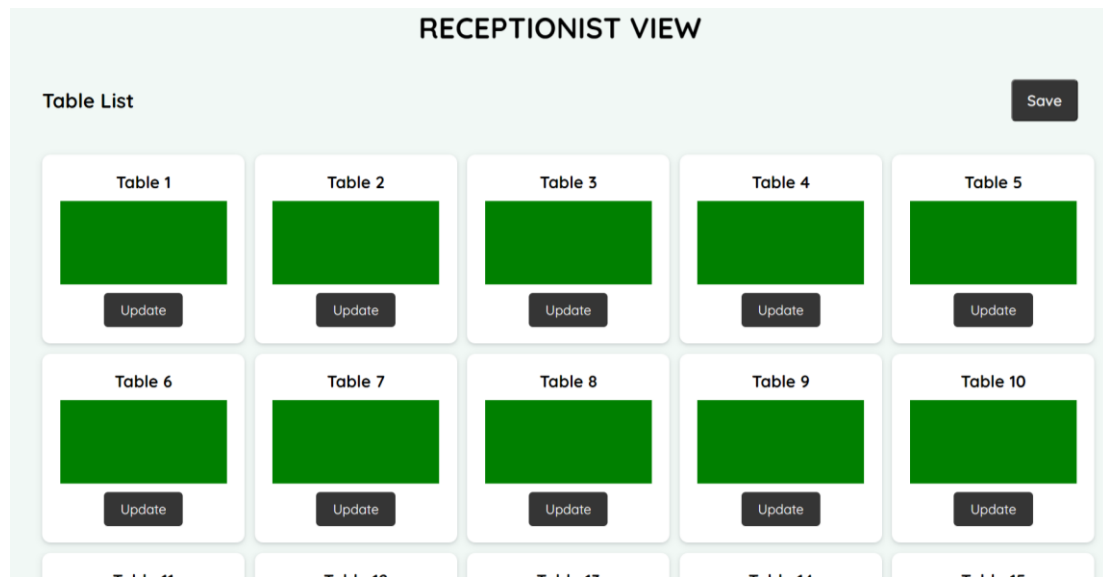
Receptionist view displays the List of Table with Table No and Table Status

When the receptionist clicks the update button of a table, the Client saves changes locally to Client. When the receptionist wants to save those changes to the database, receptionist clicks the save button and choose to save those changes, client will call the post function in server to the path '/receptionist/update' and update the database according to the changes made in Client
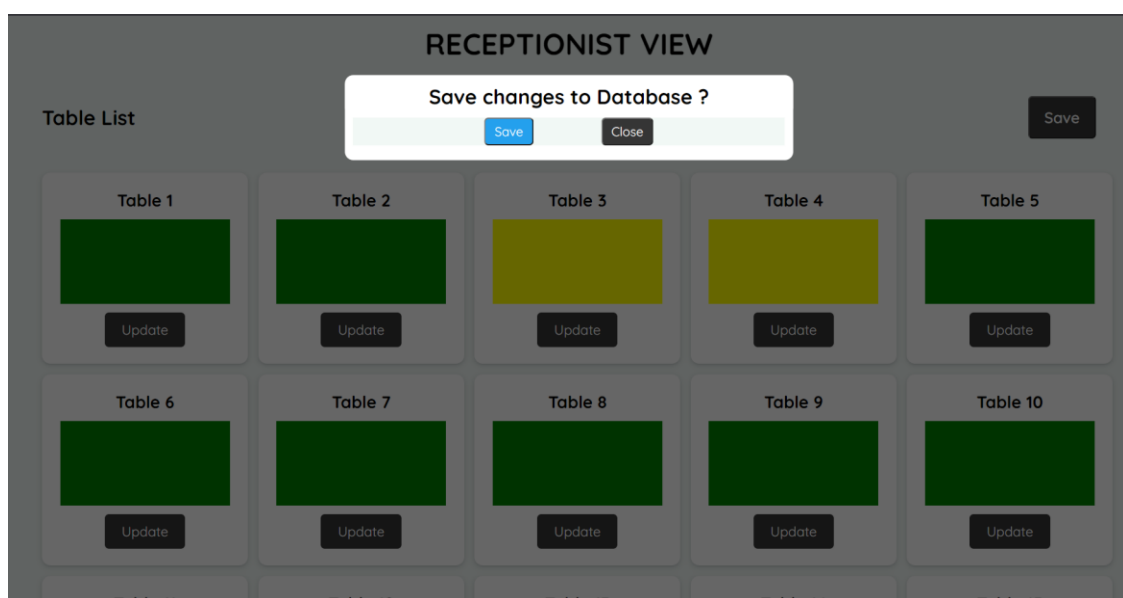
4. Manager View

In the manager view page, the client will call the get function in the server to the path '/manager/statistics' and get a list consisting of the Order ID, Table No, Payment Type, Total Cost, Payment Date of the Order. Server gets the list by query payment [rpayment] and order [rorder] in the database and returns it to the client.

View Order History

When the manager clicks a row in the data table, the client will call the get function in the server to the path '/manager/statistics/details' and get a list consisting of all information about that order. The list contains Product Name, Quantity, Total price of each product. Server gets the list by query payment [rpayment] and cart [cart] in the database and returns it to the client.

View Order Detail