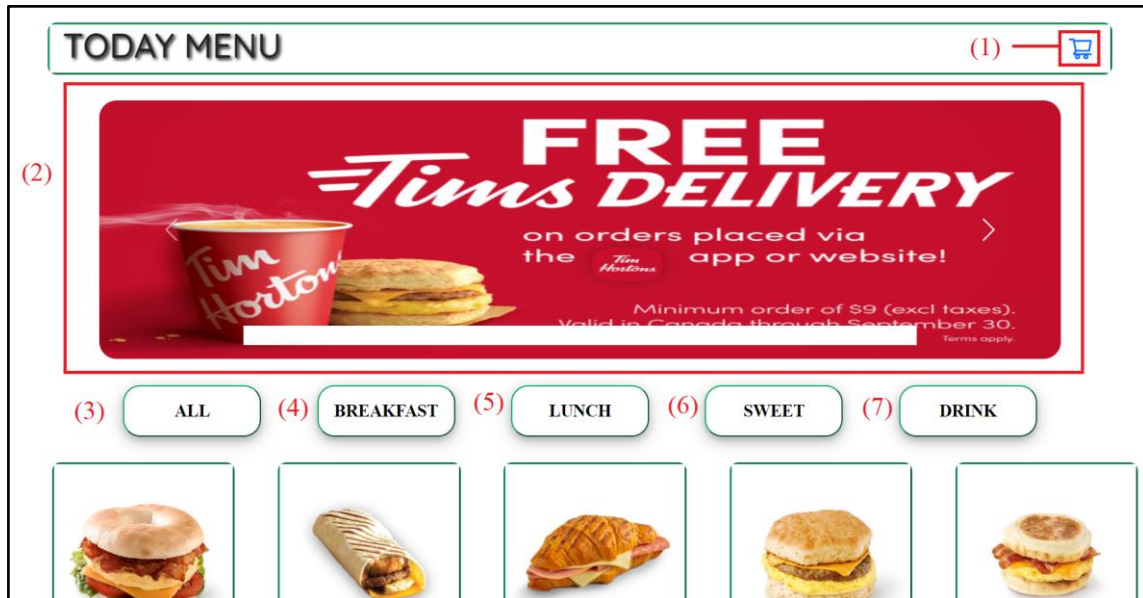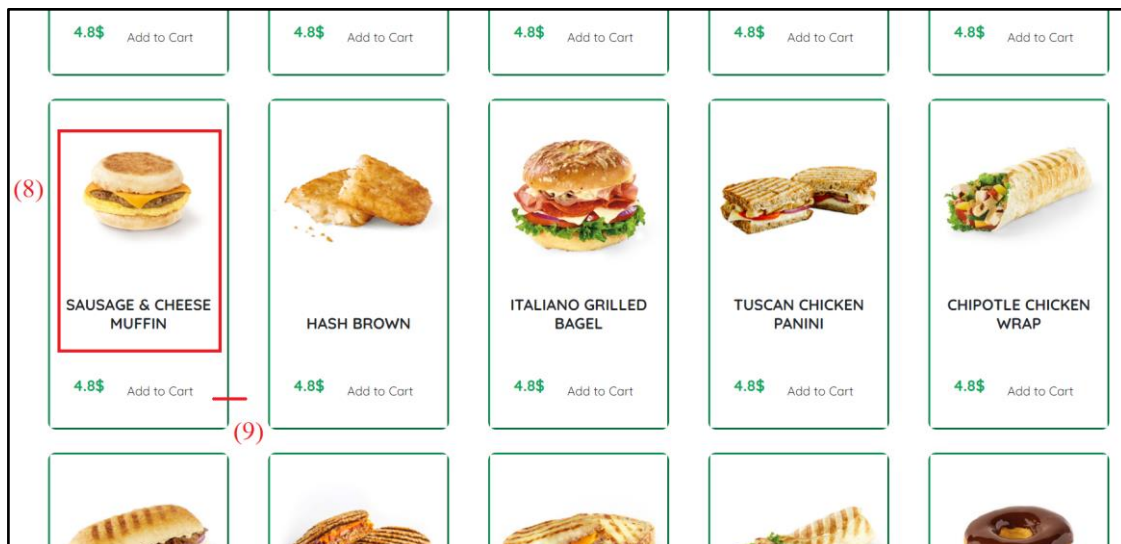# User Interface and Screen of flow

Customer View

UI 1.1: Customer View start with Menu Page (1)

UI 1.2: Customer View start with Menu Page (2)

UI 1.3: Customer View of Their Order

UI 1.4: Customer View with Making Payment Feature

i

UI 1.5: Online Payment simulation with Valid and Invalid Option

UI 1.6: System displays the bill for the Payment/ Order

Customer UI for Make Order/ Make Payment Description:

- **UI 1.1:** After scanning the QR code placed on the table, the customer device is presented with the restaurant's Menu Page (UI 1.1) viewing all available food and a banner slide for special deal promotion (2). Below the banner slide is the categories filter bar with multiple for different food types: All (3), Breakfast (4), Lunch (5), Sweet (6), Drink(7), clicking on each category will filter and show only the list of products that belong to that category.

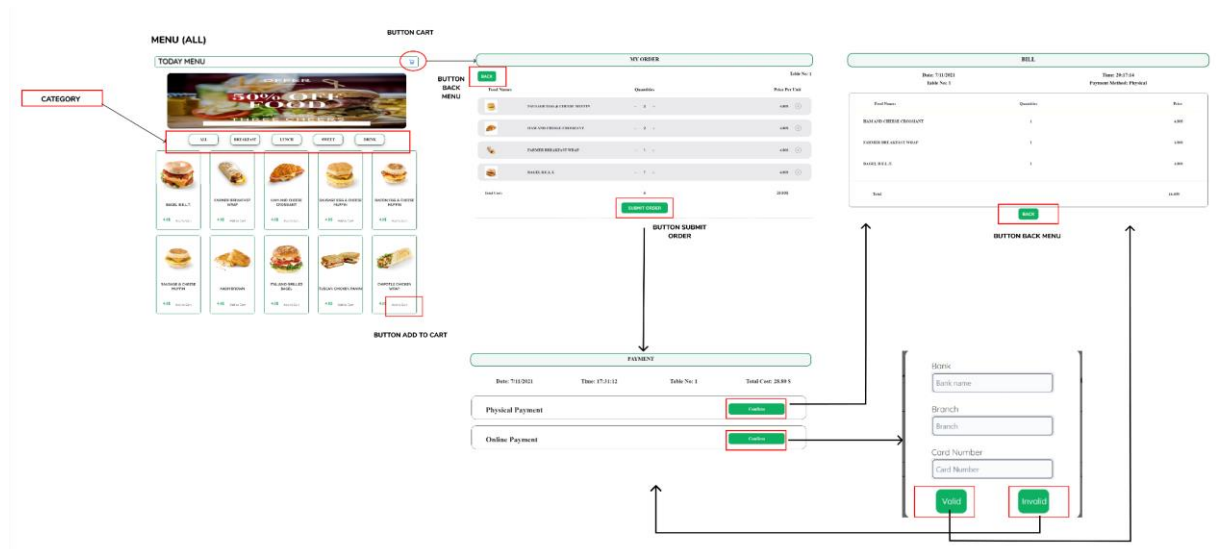- **UI 1.2:** Below the navigation bar is the menu itself viewing multiple cards for each product (UI 1.2). Each product card contains an image illustrating the food (8), the price and a button to add the product to cart (9). Customers can browse and add the desired food to the local cart store on their device. After being satisfied with their order, customers can click on the cart button placed on the top-right side of the page (1) to route to the View Order page (UI 1.3).

- **UI 1.3:** The view order page shows the table number (2) and customer current order state (3). Customers can either modify the quantity of the same product that they want (4) or remove product from the cart (5). Customers can click on the back button (1) to continue browsing the menu. Finally, customers will click on the Submit Order button (6) to finalize the order and routing to payment page (UI 1.4) and start the payment process.

- **UI 1.4:** In the Payment page (UI 1.4), there are some fields that show information about customer's detail (1). There is a Date which is the date of the customer's order. Another one is Time which is the time that a customer makes his/her order. There is also a Table No to show the table's id that the customer is using. And the last one is the total cost which shows the amount of money that the customer must pay.

- The customer can choose two options. Physical method or Online payment method to pay his/her bill. If the customer chooses Physical payment, he/she can press the confirm button (2) in the physical payment box, and the customer

will send their payment request to the Clerk. If the customer chooses Online payment, they press the confirm button (3) in the online payment box, and the customer will receive a window that shows in the screen (UI 1.5).

- **UI 1.5:** The customer needs to fill in the blank including 3 fields Bank, Branch and Card number (1) to connect to his/her bank account. After filling the information, the Valid and Invalid Option is a simulation of the Online Payment Service, when the customer clicks on Valid, System registers the Payment as Valid and move to the Bill, while clicking on Invalid, System registers the Payment as Invalid and return customers back to the Payment Page, where Customer should choose a different payment method.

- **UI 1.6:** In Bill page (UI 1.6), there are four information (1) provided below the Bill header. They are Date, Time, Table No, Payment Method. Date, Time and Table No are similar to Payment page, Payment Method is the method that customer chooses in Payment page. Below the information field is the summary table (2). The table provides several information about the order, these are Product Name , Quantities of each type Product, Price of each type Product and Total Payment. At the bottom of the page is Back button (3), which will return to the Menu page and reset all information in the cart when a customer presses it, used for making new orders.

Screen flow of Customer View (From View Menu, Make Order to Make Payment)

Visit this url to see the image better:

https://drive.google.com/file/d/1h6qpXZUA6q0SNygHmns-KkHmQOn1zDQj/view?usp=sharing

- Customers start as Menu Page (UI 1.1), can add Product to their Order and moves to My Cart Page by the Cart Button
- In My Cart Page, customer can go back to Menu Page through the Back Button, can change Quantity of current in-cart Product or clicks Submit Order for Clerk to Confirm, after their Order has been confirmed, customers go to Payment Page
- In Payment Page, customers chooses between Physical Payment and Online Payment, if they choose Online Payment, a pop up will appear, require input information, click the Valid Option simulated the Online Payment Service validates the Payment and customer moves to Bill Page, otherwise, they remain in Payment Page to choose a different payment option
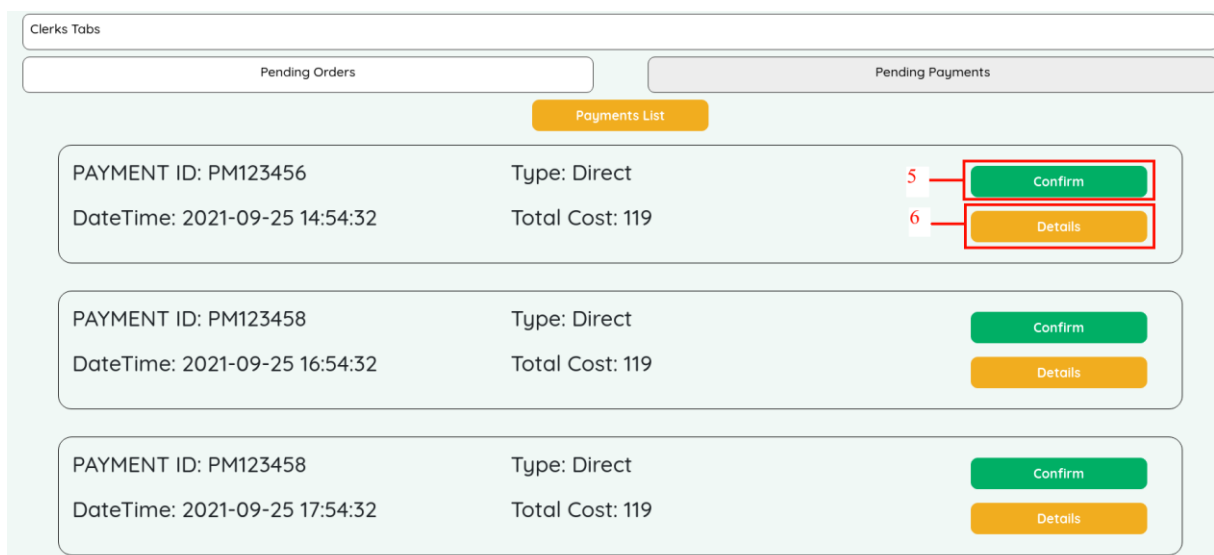- In the Bill Page, customers can go back to the Menu Page to make a new Payment

Clerk View

UI 2.1: Clerk View Load Page

UI 2.2: Clerk View Orders List

UI 2.3: Clerk View Payments List

UI 2.4: Clerk View Order Detail

UI 2.5: Clerk View Payment Detail

Clerk Manage Orders/Payments's UI Description:

- **UI 2.1:** When starting up the view on the browser, the clerk is presented only
  with the navigation bar (UI 2.1) with two options, click on Pending Orders

navigation link (1) views list of pending orders waiting to be confirmed (UI 2.2), the same with Pending Payments navigation link (2) views list of pending payments (UI 2.3).

- **UI 2.2 + UI 2.3:** On the Orders List page (UI 2.2), there are couples of items presented for each pending order, clicking on the confirm button (3) will send the accept update to backend and the item will disappear from the screen and clicking on detail button (4) will route to the Order Detail Page (UI 2.4). The same with Payments List Page (UI 2.3), clicking confirm button (5) to accept the payment and clicking detail button (6) to view Payment Detail (UI 2.5).

- **UI 2.4:** On the Order Detail page (UI 2.4) the details about the list of products ordered by the customer are presented with the prices and the total cost of the order, clicking the 'Confirm Customer Order' (7) will send an update request to backend. Clerk now will be routed back to the Orders List page (UI 2.2) and the confirm order is disappeared.

- **UI 2.5:** On the Payment Detail page (UI 2.5) the bill of the direct payment is presented. After a customer pays the bill, the clerk will click the 'Confirm Customer Payment' to confirm payment and will be routed back to the Payments List page (UI 2.3) and the confirmed payment will disappear.
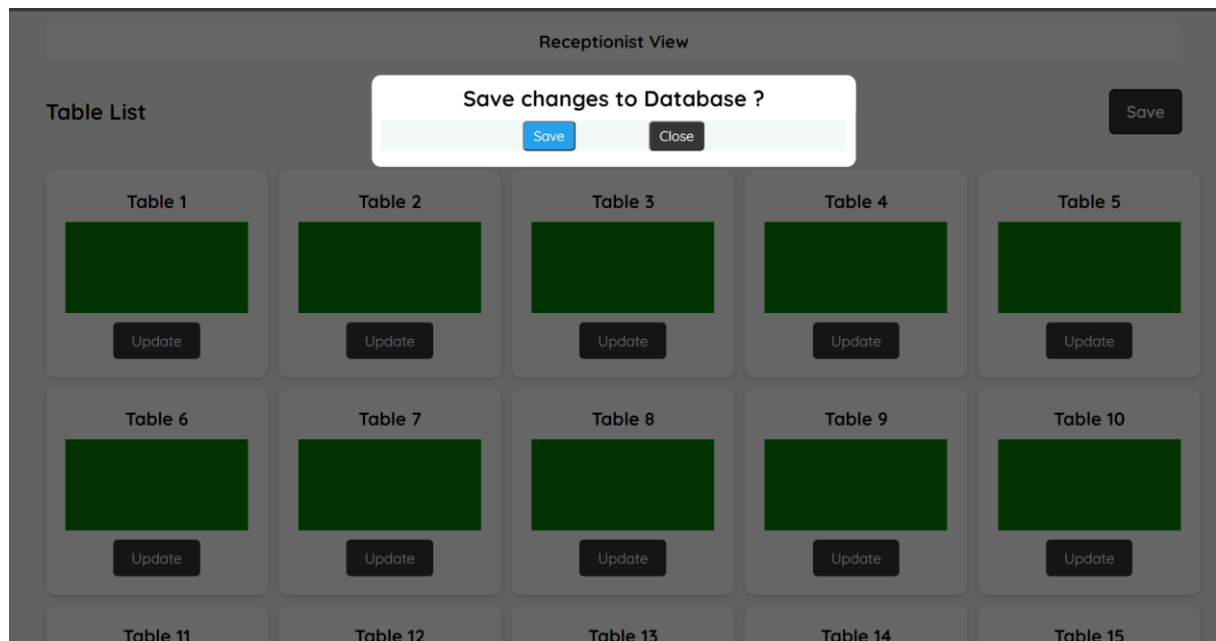
Receptionist View
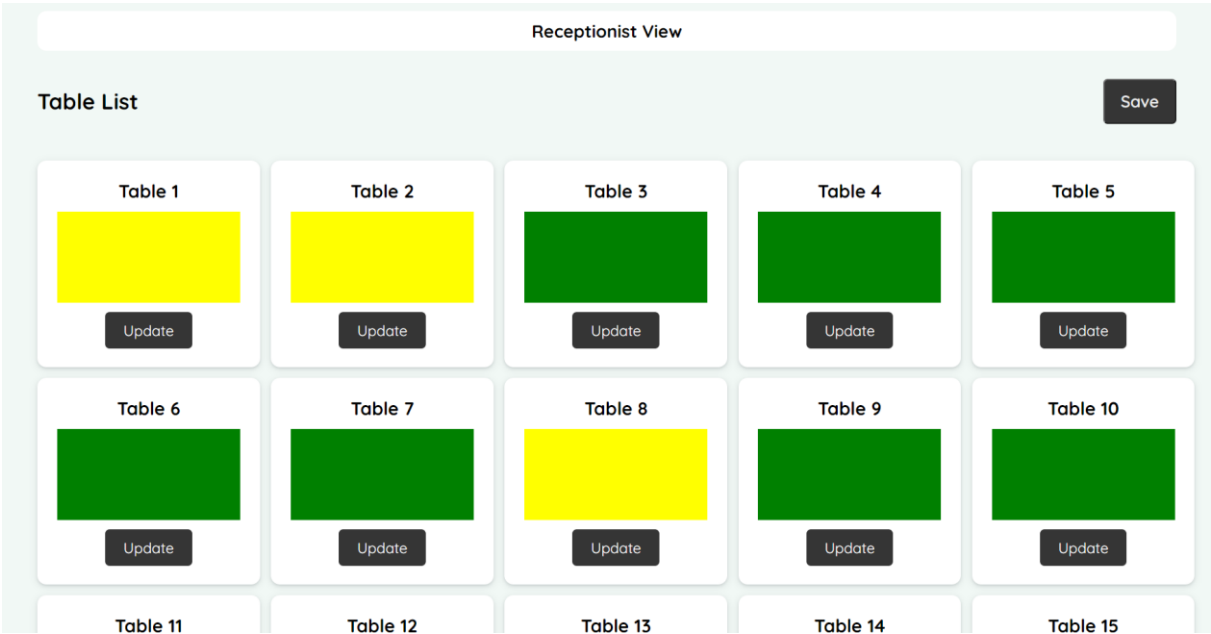
UI 3.1: Receptionist view with Feature Table Management
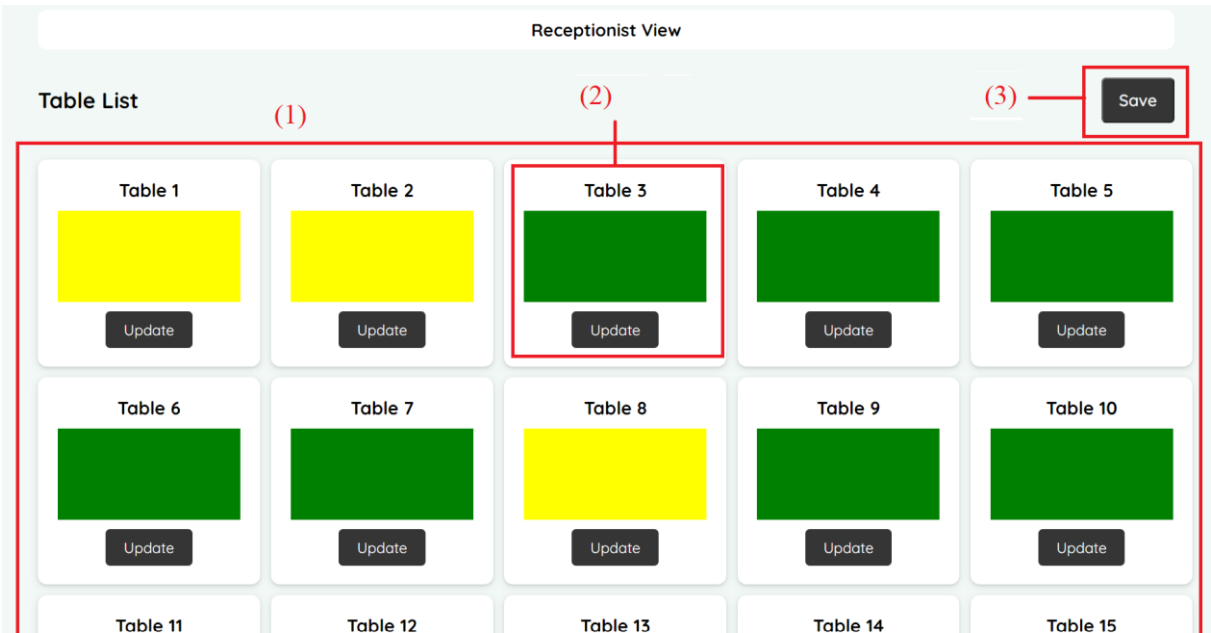
UI 3.2: Table Management annotation

UI 3.3: Save Changes to Database popup

Feature Table Management's UI Description:

· **UI 3.1:** When start up the page, the System will execute the procedure to get 25 table's status from the Restaurant Database and display them to the Receptionist

· **UI 3.2:** Each table is displayed as each card (Object 1) in a grid, inside each card contain table number, table status represented by a colored box (green as available and yellow as occupied) and a "Update" button to change its status

· When receptionist presses "Update" button in a selected table, the colored box toggles its (from yellow to green and vice versa) and the system saves that change to its local storage

· **UI 3.3:** hen receptionist has finished their update, the receptionist clicks the Save Button (2) , which pops up a modal asking to confirm the choice and if confirm, the changes will be updated to the Restaurant Database

Manager View

UI 4.1: Manager view screen

UI 4.2: Pop-up screen

UI 4.3: Manager view annotation

Feature View Statistic's UI Description:

· When start up the page, the System will execute the procedure to get all order and payment record from the Restaurant Database and display them to the Manager in pages

· Each Record is displayed as each row in the Data Table (5), inside row contains Order ID, Table of the Order, Payment Type, Total Bill and Date

· When Manager clicks a row in the data table, system displays a modal showing the order detail about that order/ payment

· Manager can filter rows by date by choosing a day in the Date Picker (2) and presses the filter button (4), payment method by using Payment Type Filter (1) and presses the filter button (4) or both by choosing input for (1) and (2), check the filter both box (3) and presses the filter button (4)

GitHub repository

For further detail, please visit the work at our GitHub repository

https://github.com/remsokawaii1/CNPM