

Admin

- Manages the Menu and Inventory. They control what is available to sell and track stock.
- Can add/remove/update Food Items and Categories
- Manage orders and track the status of submitted orders.
- Manage discounts, creates, updates, and deactivates promotional codes.

Customer

- The people who interact with the system to place an order.
- Can search and filter available Food Items by category.
- Can submit orders, apply an optional discount code, and provide a ticket name.
- Their order status is tracked until it is ready for pickup.

Food Item

- Includes the item's name, price, stock count, and availability status.
- Linked to a Category for easy filtering

Order

- Records all sales activities, tracks the entire process from submission to completion.
- It tracks order details, links to `tbl_OrderDetails` that list quantities and prices for each Food item
- Tracks status, and logs the current state, and financial details.

Discount

- Manages codes, stores the promotional code, type, and value.
- It can be applied to an Order during the checkout process to adjust the `total_amount`.

Basic Workflow:

1. Operational Flow (Admin)

- The Admin uses PUT/POST methods to update prices, stock, and availability status on Food Items and Categories.
- The Admin uses GET requests to display the queue of new and in-progress orders, retrieving data from `tbl_orders`.
- The Admin changes the order's status using a PUT request.

2. Customer Flow

- The Customer browses the menu using GET requests that filter Food Items for active availability.
- The Customer submits a code to a POST endpoint, which the system validates against `tbl_discounts` before calculating the value.
- The Customer sends a single POST request with items and the ticket name to the `/api/orders` route.
- The Backend System performs a single, multi-step transaction: inserting the Order Header and all Order Details, and simultaneously decreasing the stock count in `tbl_fooditems`.
- The Customer is given an order ID and monitors the order status until the Staff/Admin updates the order to ready.

