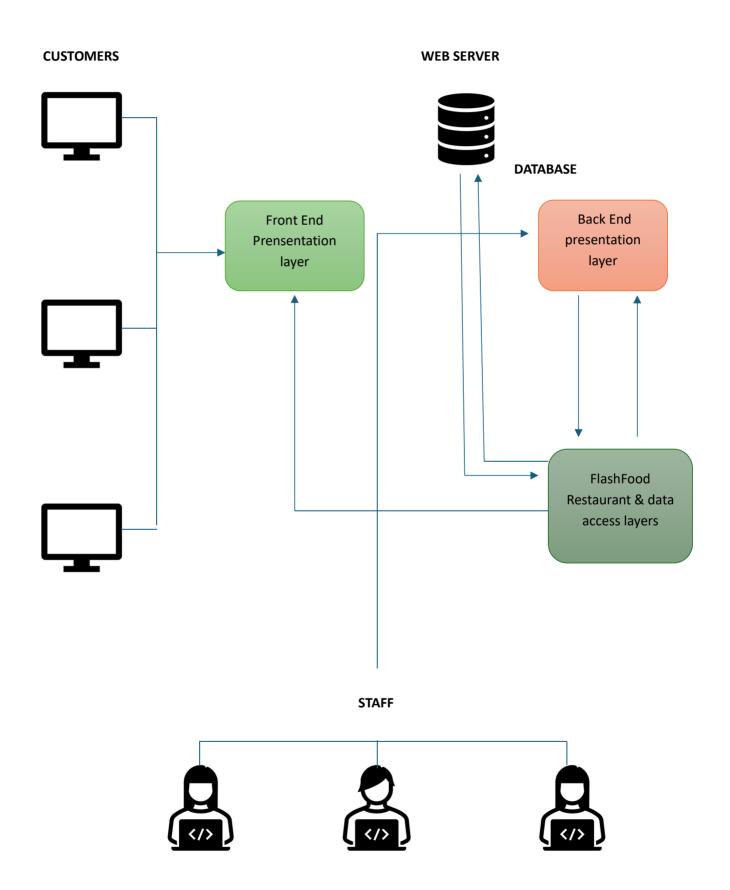
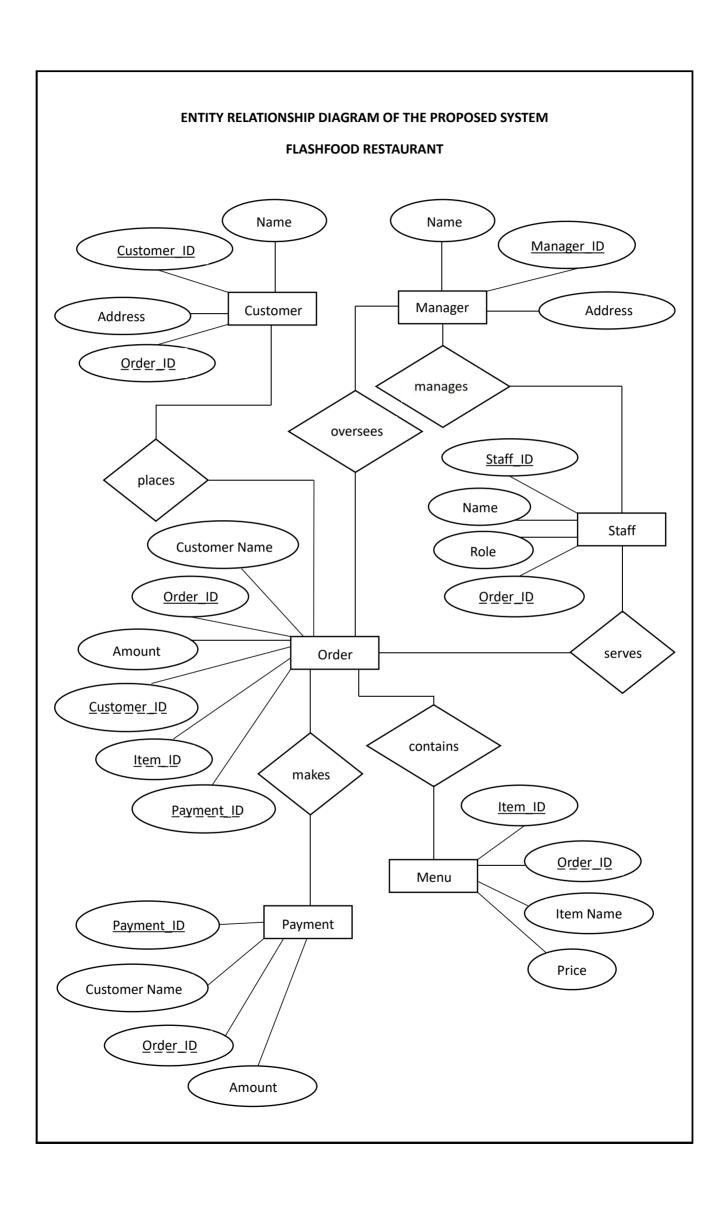
SYSTEM ARCHITECTURE DESIGN

FLASHFOOD ARCHITECTURE DESIGN





IPO OF THE PROPOSED SYSTEM

FLASHFOOD RESTAURANT

INPUT

User Registration Data

User Selects Items for Online Order

Order Confirmation
Details

Kitchen Receives Order Details

Prepared Order Details

Customers Payment Details

Orders Pending

Management

New or Updated Menu Items

User Request to View the Menu

Request for Business Reports

PROCESS

Store User Details in the Database

Add Selected Items to Cart

> Validate and Save Order in System

Process and Prepare Food

Deliver Order to Dinein Customers

Process Payment and Update Order Status

Track and Update Online Orders

Add, Update, or Remove Menu Items

Retrieve and Display Menu Items

Compile Sales, Orders, and Feedback Data

OUTPUT

Account Successfully Created

Customers Order Placed in Cart

Order Successfully Placed

Order Ready for Serving

Customers Order Served

Customers Payment Confirmed

Orders Efficiently Handled

Menu Items Updated

Requested Menu Displayed

Reports Generated





STORAGE

Database of the Proposed System

CLASS DIAGRAM OF PROPOSED SYSTEM

FLASHFOOD RESTAURANT

Customer

- customerID: Int
- name: String
- email: String
- password: String
- + viewMenu()
- + placeOrder()
- + updateProfile()
- + register()
- + login()
- + logout()

Order

- orderID: Int
- orderDate: Date
- customer: Customer
- items: List
- totalAmount: Float
- status: String
- + calculateTotal()
- + updateStatus()
- + addItem()

Manager

- managerID: int
- name: string
- email: string
- + manageRestaurant()
- + manageStaff()
- + manageMenu()
- + manageReports()
- + register()
- + login()
- + logout()

Staff

- staffID: Int
- name: String
- role: String
- email: String
- + prepareOrder()
- + updateOrderStatus()
- + generateReports()
- + register()
- + login()
- + logout()
- + assistCustomers()
- + serveOrder()

Restaurant

- restaurantID: Int
- name: String
- location: String
- openingHours: String
- page: String
- + addMenuItem()
- + removeMenuItem()
- + updateMenuItem()

Reservation

- reservationID: Int
- customer: Customer
- restaurant: RestaurantreserveTime: DateTime
- numberOfGuest: Int
- + makeReservation()
- + cancelReservation()

Menultem

- itemID: Int
- name: String
- description: String
- price: Float
- availability: Bool
- + updatePrice()
- + changeAvailabilty()

Payment

- paymentID: Int
- order: Order
- paymentMethod: String
- amountPaid: Float
- paymentDate: DateTime
- + processPayment()
- + refundPayment()

Review

- reviewID: Int
- customer: Customer
- -restaurant: Restaurant
- rating: Int
- comment: String
- + addReview()
- + updateReview()

