

# Project Report

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**NOTE :**

- 1) For this Your database must be connect to your Code editor.
- 2) Make sure that database server name is correct mapped.
- 3) Make sure that the Database follow the SQL file script as given with these files.
- 4) Make sure that all necessary dependencies are installed and implemented.
- 5) If you feel any issue do reach me via email. My Gmail is:  
[moizqureshi2640@gmail.com](mailto:moizqureshi2640@gmail.com)

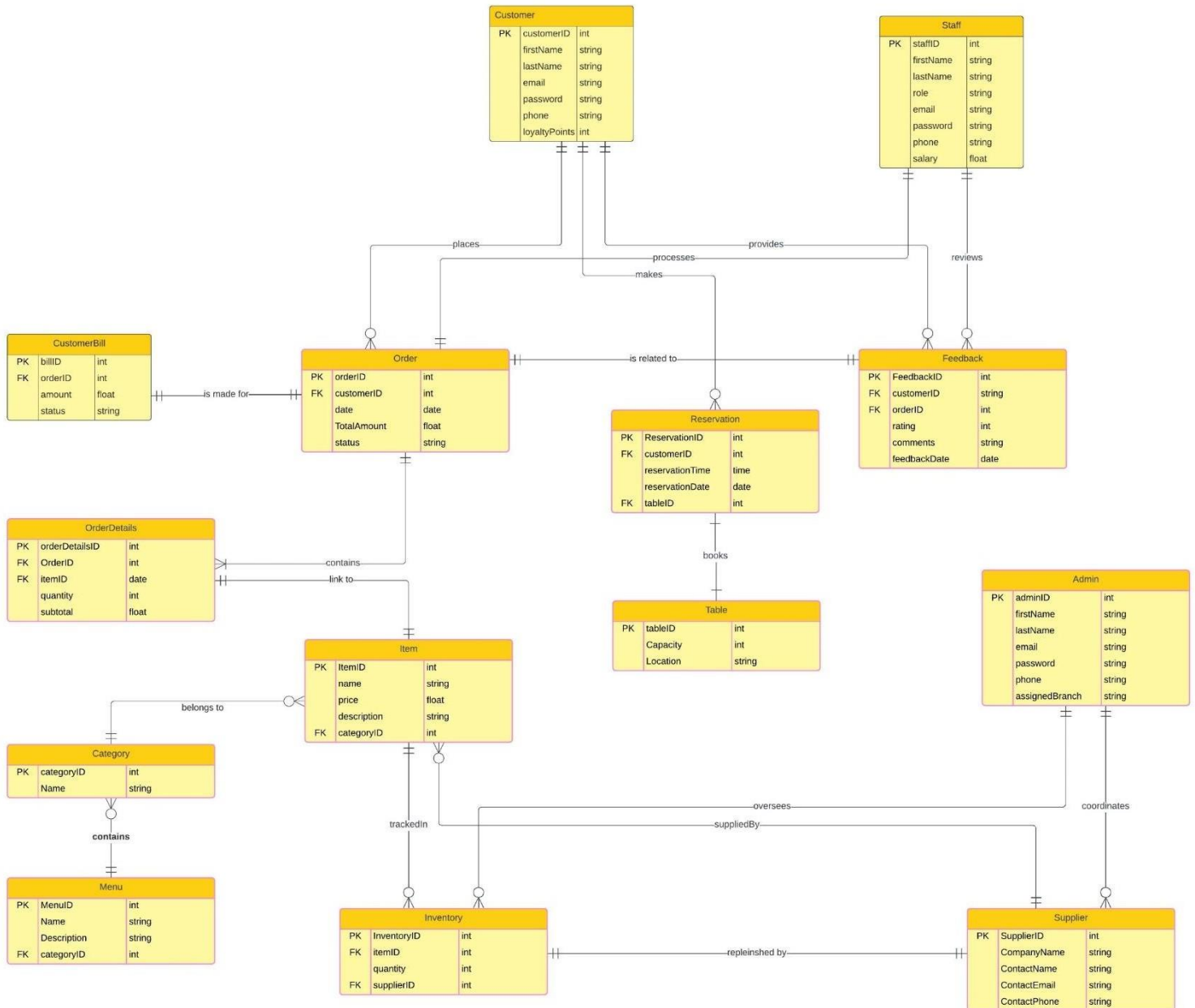
Hope This Report Helps you!

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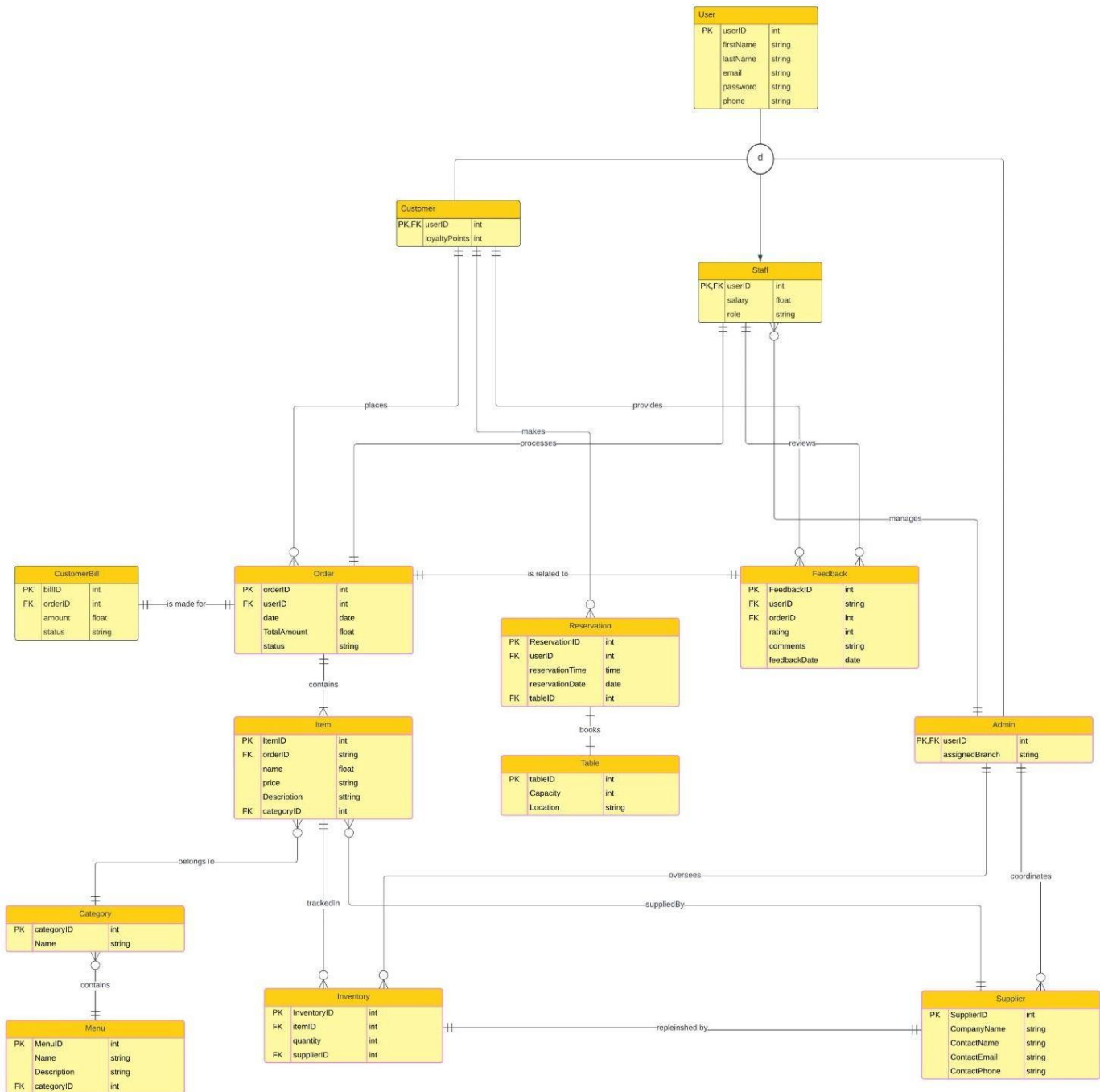
# ERD

## Entity Relationship Diagram

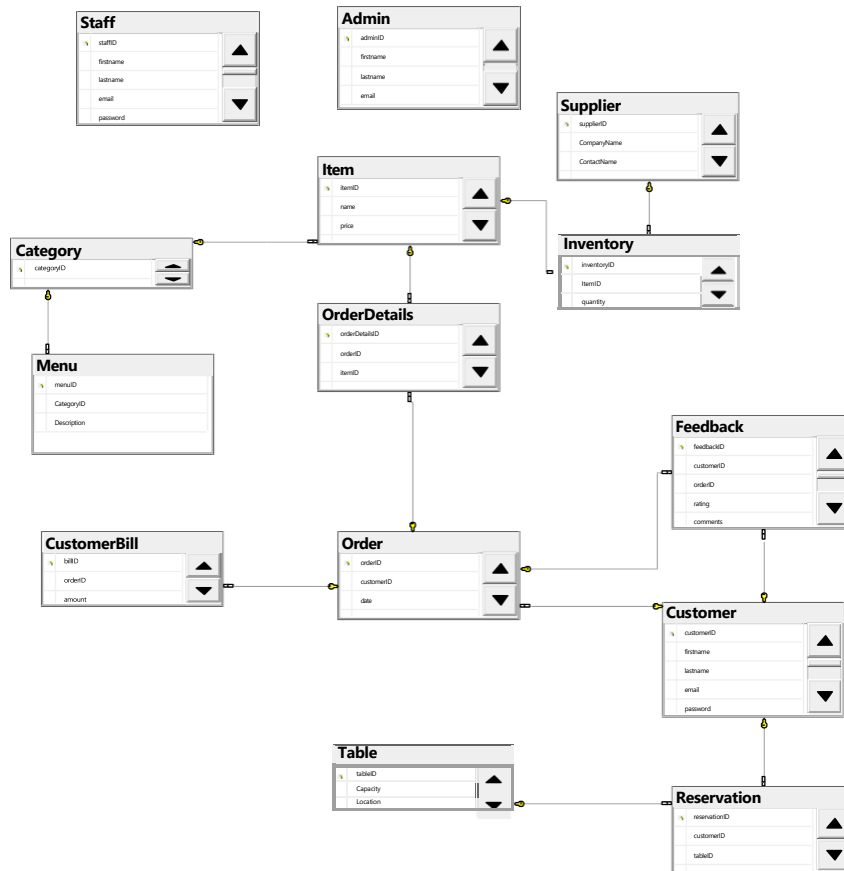


EERD

### Enhanced Entity Relationship Diagram



## RELATIONAL SCHEMA



## NORMALIZATION

### FIRST NORMAL FORM (1NF):

Each table has a primary key (e.g., customerID, orderID).

All attributes are atomic (no repeating groups or arrays).

If any multi-valued attributes exist, they should be removed to a separate table.

### SECOND NORMAL FORM (2NF)

It's already in 1NF, All non-key attributes are fully functionally dependent on the primary key.

### THIRD NORMAL FORM (3NF)

Already in 2NF, No transitive dependencies (no non-key attribute depends on another non-key attribute).

### ENTITIES AND ATTRIBUTES:

- **Staff** (staffID, firstname, lastname, email, password)
  - Primary Key: **staffID**

- **Admin (adminID, firstname, lastname, email)**
  - Primary Key: **adminID**
- **Customer (customerID, firstname, lastname, email, password)**
  - Primary Key: **customerID**
- **Supplier (supplierID, CompanyName, ContactName)**
  - Primary Key: **supplierID**
- **Item (itemID, name, price)**
  - Primary Key: **itemID**
  - Foreign Key: **categoryID** references **Category**
- **Order (orderID, customerID, date)**
  - Primary Key: **orderID**
  - Foreign Key: **customerID** references **Customer**
- **OrderDetails (orderDetailID, orderID, itemID)**
  - Primary Key: **orderDetailID**
  - Foreign Keys: **orderID** references **Order**, **itemID** references **Item**
- **Inventory (inventoryID, itemID, quantity)**
  - Primary Key: **inventoryID**
  - Foreign Key: **itemID** references **Item**
- **Feedback (feedbackID, customerID, orderID, rating, comments)**
  - Primary Key: **feedbackID**
  - Foreign Keys: **customerID** references **Customer**, **orderID** references **Order**
- **Category (categoryID, name)**
  - Primary Key: **categoryID**
- **Menu (menuID, categoryID, description)**
  - Primary Key: **menuID**
  - Foreign Key: **categoryID** references **Category**

- **CustomerBill (billID, orderID, amount)**
  - Primary Key: **billID**
  - Foreign Key: **orderID** references **Order**
- **Table (tableID, capacity, location)**
  - Primary Key: **tableID**
- **Reservation (reservationID, tableID, customerID)**
  - Primary Key: **reservationID**
  - Foreign Keys: **tableID** references **Table**, **customerID** references **Customer**

## FUNCTIONAL REQUIREMENTS

### 1. CUSTOMER MANAGEMENT MODULE

**Customer Registration:** Allows customers to register, creating a profile that includes information such as name, contact details, and preferences.

**Profile Management:** Customers can update their profiles, including contact information and passwords.

**Loyalty Points Tracking:** Customers earn points on purchases, which can be tracked and redeemed for discounts or free items.

**Order History:** Allows customers to view their past orders and their statuses.

### 2. ORDER MANAGEMENT MODULE

**Menu Display:** Shows available menu items with prices, descriptions, and images.

**Order Placement:** Customers can place orders, specifying item quantities and special instructions.

**Order Modification:** Allows modification of orders before final submission.

**Order Status Tracking:** Real-time updates on order preparation and readiness.

**Order Feedback:** Allows customer to give feedback on each order.

### 3. INVENTORY MANAGEMENT MODULE

**Stock Entry:** Entry of new stock items into the system, including quantities and expiration dates.

**Stock Monitoring:** Monitoring current stock levels to prevent shortages.

**Inventory Reporting:** Generate reports on inventory levels.

### 4. STAFF MANAGEMENT MODULE

**Employee Profiles:** Manage profiles for all employees, including roles, salaries, and schedules.

## 5. REPORTING MODULE

**Sales Reports:** Generate detailed sales reports by date, item, or category to analyze trends and performance.

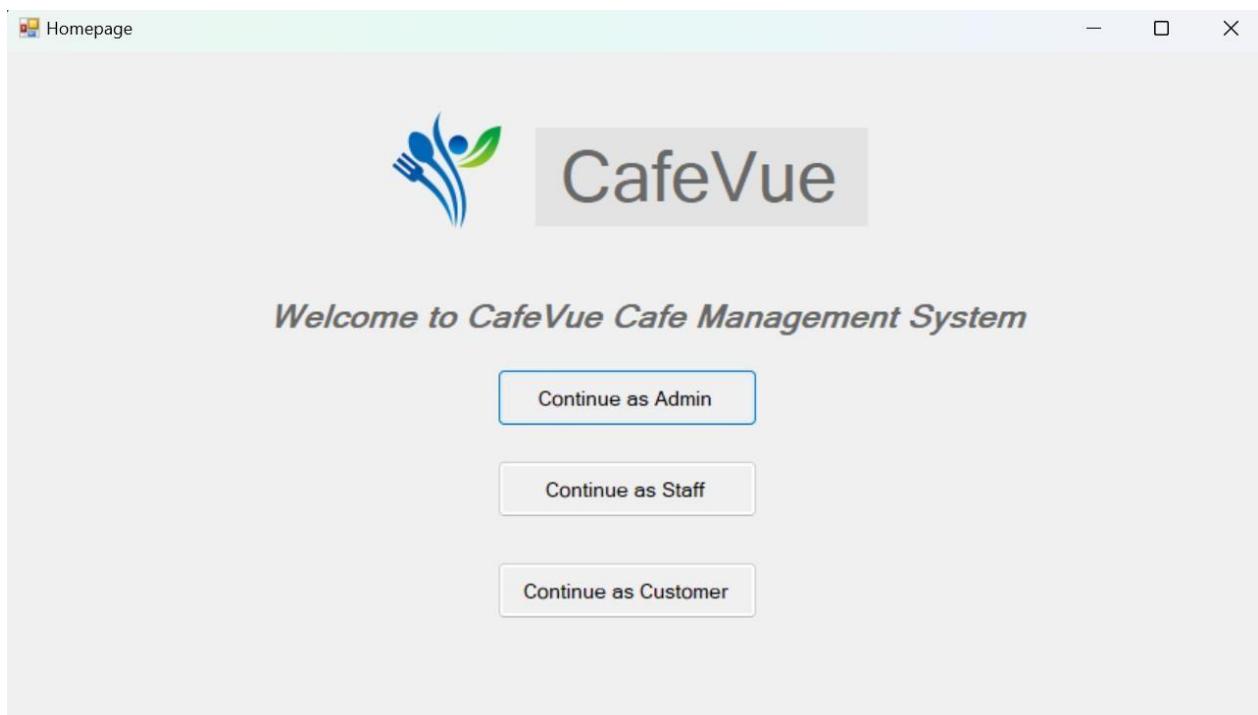
**Inventory Reports:** Detailed reports on stock levels, usage rates, and purchase needs.

## 6. TABLE RESERVATION MODULE


**Reservation Management:** Customers can reserve tables for specific dates and times.

**Table Availability:** Displays real-time table availability.

## SCREENSHOTS OF IMPLEMENT PROJECT





 LoginForm — □ ×



# CafeVue

Admin


Email

Password

**Login**

Don't Have an Account. Sign Up

SignUpForm



# CafeVue

First Name

Last Name

Email

Password

Phone Number

[Already Have an Account. Login](#)

Admin Dashboard

DashBoard

Add User

Update User

Delete User

Add Table


Update Table

Delete Table

Sales Report

Manage Inventory

Log Out



# CafeVue

Admin Dashboard

Staff Member ID

Staff Record

| staffID | firstname | lastname | email             | password | phone      | salary |
|---------|-----------|----------|-------------------|----------|------------|--------|
| 1       | Ali       | Hassan   | alhassan@exam...  | pass1234 | 1234567890 | 50000  |
| 2       | Sana      | Khan     | sanakhan@exam...  | pass1234 | 1234567891 | 55000  |
| 3       | Zohaib    | Ahmed    | zohaibahmed@e...  | pass1234 | 1234567892 | 52000  |
| 4       | Ayesha    | Iqbal    | ayeshaiqbal@ex... | pass1234 | 1234567893 | 53000  |
| 5       | Usman     | Ali      | usmanali@examp... | pass1234 | 1234567894 | 54000  |

Inventory ID:

Inventory Record

| inventoryID | itemID | ItemName       | Quantity | supplierID | SupplierCompany | SupplierPho |
|-------------|--------|----------------|----------|------------|-----------------|-------------|
| 1           | 1      | Chicken Burger | 100      | 1          | Fresh Farms     | 1234567900  |
| 2           | 2      | Beef Burger    | 100      | 1          | Fresh Farms     | 1234567900  |
| 3           | 3      | Lamb Kebab     | 50       | 6          | Bake House      | 1234567900  |
| 4           | 4      | Fish Tacos     | 50       | 5          | Spice Route     | 1234567900  |
| 5           | 5      | Lassi          | 200      | 2          | Urban Grocers   | 1234567900  |

Staff Dashboard

DashBoard

Add Item

Update Item

Delete Item

Handle Order


Handle Feedback

Table Reservation

Customer Trends

Item Trends

Log Out



# CafeVue

Welcome to Staff Dashboard

Items Record

| itemID | ItemName       | ItemPrice | CategoryName |
|--------|----------------|-----------|--------------|
| 1      | Chicken Burger | 350       | Fast Food    |
| 2      | Beef Burger    | 400       | Fast Food    |
| 3      | Lamb Kebab     | 500       | Grills       |
| 4      | Fish Tacos     | 450       | Seafood      |
| 5      | Lassi          | 150       | Refreshments |
| 6      | Pancakes       | 300       | Breakfast    |

Inventory Record

| inventoryID | itemID | ItemName       | Quantity | supplierID | SupplierCompany | SupplierPho |
|-------------|--------|----------------|----------|------------|-----------------|-------------|
| 1           | 1      | Chicken Burger | 100      | 1          | Fresh Farms     | 1234567900  |
| 2           | 2      | Beef Burger    | 100      | 1          | Fresh Farms     | 1234567900  |
| 3           | 3      | Lamb Kebab     | 50       | 6          | Bake House      | 1234567900  |
| 4           | 4      | Fish Tacos     | 50       | 5          | Spice Route     | 1234567900  |
| 5           | 5      | Lassi          | 200      | 2          | Urban Grocers   | 1234567900  |

Customer Dashboard

Dashboard


Place Order

Cancel Order

Give Feedback

Reserve Table

Log Out



# CafeVue

Item Details For Each Order

|   | orderID | OrderDate        | OrderStatus | ItemName       | ItemDescription        | ItemPrice | quar |
|---|---------|------------------|-------------|----------------|------------------------|-----------|------|
| ▶ | 3       | 5/5/2024 9:09 PM | Cancelled   | Lamb Kebab     | Minced lamb with...    | 500       | 2    |
|   | 3       | 5/5/2024 9:09 PM | Cancelled   | Fish Tacos     | Grilled fish with c... | 450       | 4    |
|   | 2       | 5/5/2024 9:08 PM | Delivered   | Falooda        | Sweet beverage ...     | 200       | 2    |
|   | 1       | 5/5/2024 1:48 PM | Cancelled   | Chicken Burger | Grilled chicken wi...  | 350       | 2    |
| * | 1       | 5/5/2024 1:48 PM | Cancelled   | Beef Burger    | Grilled beef with...   | 400       | 2    |

My Feedbacks

|   | FeedbackID | OrderID | Rating |
|---|------------|---------|--------|
| ▶ | 2          | 1       | 4      |
| * |            |         |        |

Reservations Details

|   | reservationID | reservationTime  | TableID |
|---|---------------|------------------|---------|
| ▶ | 1             | 1/1/1900 8:59 PM | 1       |
| * |               |                  |         |

Admin Dashboard

Dashboard

Add User

Update User

Delete User

Add Table


Update Table

Delete Item

Sales Report

Manage Inventory

Log Out



# CafeVue

Sales Report

Sales By Items

|   | ItemName       | TotalQuantity | TotalRevenue |
|---|----------------|---------------|--------------|
| ▶ | Beef Burger    | 3             | 1200         |
|   | Chicken Burger | 2             | 700          |
| * |                |               |              |

Total Sales

|   | TotalSales |
|---|------------|
| ▶ | 5800       |
| * |            |

Feedback Trend

|   | Rating | No_of_Feedback |
|---|--------|----------------|
| ▶ | 4      | 1              |
| * |        |                |

Sales By Category

|   | category  | TotalQuantity | TotalRevenue |
|---|-----------|---------------|--------------|
| ▶ | Beverages | 2             | 400          |
|   | Fast Food | 5             | 1900         |
|   | Grills    | 2             | 1000         |
|   | Seafood   | 4             | 1800         |
| * |           |               |              |

June 2023Sales

Generate Sale Report

**Place Order**

Dashboard

Place Order

Cancel Order

Give Feedback

Reserve Table

Log Out

category

Select

search

Items

ItemName

Price

Quantity

0

Add to Cart

| AddItems | Price | Quantity |
|----------|-------|----------|
| *        |       |          |

Grand Total

Remove

RS. 00

Print

## USER DOCUMENTATION AND HELP

### Overview

Welcome to the CaféVue Café Management System. This user guide provides detailed instructions on how to navigate and use the various functionalities provided by CaféVue. The system is designed to cater to three types of users: Admin, Staff, and Customer. Each user role has specific functionalities tailored to their needs and responsibilities.

### General Navigation

- **Homepage:** The homepage offers the option to continue as Admin, Staff, or Customer. Choose the appropriate option based on your role.
- **Login:** Each role has a secure login page. Enter your registered email and password to access your dashboard.
- **Signup:** New users can sign up by providing essential details such as First Name, Last Name, Email, Password, and Phone Number.

### Customer Dashboard

#### Dashboard Overview

- **Place Order:** Navigate to the menu and place orders.
- **Cancel Order:** Cancel your orders before they are processed.
- **Give Feedback:** Provide feedback on orders.
- **Reserve Table:** Make reservations for dining in.

- **Log Out:** Securely log out of your account.

### **Placing and Managing Orders**

- **View Menu:** Access a detailed menu with item descriptions and prices.
- **Add to Cart:** Select the desired items and quantities and add them to your cart.
- **Review Order:** Check your cart before checkout to make adjustments or proceed to payment.

### **Feedback and Reservations**

- **Submit Feedback:** Post feedback on your dining experience or specific orders.
- **Make a Reservation:** Choose the date, time, and number of guests to book a table.

### **Staff Dashboard**

#### **Dashboard Overview**

- **Add Item:** Add new menu items.
- **Update Item:** Modify details of existing menu items.
- **Delete Item:** Remove items no longer available.
- **Handle Orders:** Process and update the status of customer orders.
- **Handle Feedback:** Review and respond to customer feedback.
- **Table Reservation:** Manage table bookings and availability.

#### **Managing Inventory and Orders**

- **Inventory Record:** View and manage stock levels and update inventory as necessary.
- **Order Processing:** Confirm new orders, update statuses, and finalize orders after delivery.

### **Admin Dashboard**

#### **Dashboard Overview**

- **Add User:** Register new staff members.
- **Update User:** Edit details of existing staff.
- **Delete User:** Remove staff from the system.
- **Add/Delete Table:** Manage the details of tables available for reservation.
- **Sales Reports:** Generate detailed sales reports.
- **Manage Inventory:** Oversee and update inventory records.

## Reporting and User Management

- **Generate Sales Report:** Create reports based on items, categories, or custom queries.
- **Feedback Trends:** Monitor customer satisfaction and feedback trends to improve service.

## Troubleshooting and Support

- **Login Issues:** Ensure the email and password are entered correctly. Use the password recovery option if necessary.
- **Order Errors:** Contact system support if there are issues with order submissions or cancellations.
- **Feedback and Reservation:** For immediate assistance with reservations or feedback responses, refer to the contact details provided on the dashboard.

## Conclusion

The CaféVue System is designed to streamline café management tasks, enhance customer service, and improve operational efficiency. Should you encounter any difficulties or require further assistance, please contact our system support team through the help menu on your dashboard. Enjoy using CaféVue for your daily management needs!