Food Delivery Management System User Guide

Each menu has several options. Enter a number corresponding to that option to select it.

Using the Main Menu

Initialization of dummy data and displaying the main menu

1. **Manage Customers:** Customize, add, or remove customers and customer data

2. **Manage Delivery Drivers**: Customize and add drivers and driver data

3. **Manage Restaurants**: View restaurant information

4. **Manage Orders**: Create, view, and update orders

5. **Manage Support Staff**: Customize or add staff or staff data

6. **Manage Payments**: Create, view, or process payments, or generate a receipt

7. **Review Reports**: Displays customer, driver, order, and payment statistics as well as restaurant and support staff information.

8. **Exit**: Closes the program

Option 1: Manage Customers

```
CUSTOMER MANAGEMENT
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1. Add New Customer
2. View All Customers
3. Update Customer Address
4. Manage Customer Allergies
5. Delete Customer Account
6. Back to Main Menu
_____
Enter your choice: 1

--- Add New Customer ---
Enter customer name: Henry Smith
Enter customer age: 45
Enter customer email: henry@email.com
Enter customer address: 930 Ashton Rd, Portales, NM
Customer added.

[OK] Customer added successfully!
```

```
ALL CUSTOMERS
_____

Customer #1
   Name: John Smith
   Age: 28
   Email: john@email.com
   Address: 123 Main St, Portales, NM

Customer #2
   Name: Sarah Johnson
   Age: 35
   Email: sarah@email.com
   Address: 456 Oak Ave, Portales, NM

Customer #3
   Name: Michael Chen
   Age: 42
   Email: michael@email.com
   Address: 789 Pine Rd, Portales, NM

Customer #4
   Name: Henry Smith
   Age: 45
   Email: henry@email.com
   Address: 930 Ashton Rd, Portales, NM
```

Adding and displaying all customer data

1. **Add New Customer**: Create a new customer account with a name, age, email, and address

2. **View All Customers**: Displays customers' names, ages, emails, addresses, and allergies (if applicable)

3. **Update Customer Address**: Change a customer's address

4. **Manage Customer Allergies**: Add, remove, or view a customer's allergies

5. **Delete Customer Account**: Get rid of customer information and remove that customer from the system

6. **Back to Main Menu**: Goes back to the main menu

Option 2: Manage Delivery Drivers

```
         DRIVER MANAGEMENT
─────────────────────────────────────

1. Add New Driver
2. View All Drivers
3. View Driver Ratings
4. Add Driver Rating
5. Back to Main Menu
─────────────────────────────────────
Enter your choice: 2
```

```
              ALL DRIVERS
─────────────────────────────────────

Driver #1
  Name: Mike Williams
  Age: 32
  Employee ID: 1001
  Email: mike@delivery.com
─────────────────────────────────────

Driver #2
  Name: Lisa Brown
  Age: 27
  Employee ID: 1002
  Email: lisa@delivery.com
```

Driver management menu and all driver Info

1. **Add New Driver**: Create a new driver account with a name, age, employee ID, and email

2. **View All Drivers**: Displays drivers' names, ages, employee ID, and email

3. **View Driver Ratings**: Displays the star rating of a chosen driver

4. **Add Driver Rating**: Adds a driver's rating

5. **Back to Main Menu**: Goes back to the main menu

Option 3: Manage Restaurants

Viewing all restaurants and viewing a restaurant's menu

1. **View All Restaurants**: Displays all restaurant information

2. **View Restaurant Menu**: Displays a chosen restaurant's menu

3. **Filter Menu by Category**: Filter a restaurant's menu by appetizer, main course, dessert, or beverage

4. **View Restaurant Details**: Displays a chosen restaurant's information

5. **Back to Main Menu:** Goes back to the main menu

Option 4: Manage Orders

Creating a new order and viewing all orders

1. **Create New Order**: Create a new order for a customer by their number. Specify the time, date, and special instructions (if applicable)

2. **View All Orders**: Displays all orders

3. **Update Order Status**: Update an order by its number. Select a status for the order (Pending, preparing, Out for delivery, Delivered, Canceled)

4. **View Order Details**: Displays the data for a chosen order

5. **Back to Main Menu**: Goes back to the main menu

Option 5: Manage Support Staff

```
        SUPPORT STAFF MANAGEMENT
1. View All Support Staff
2. Add New Support Staff
3. Assign Issue to Staff
4. Update Issue Status
5. Resolve Issue
6. View Staff Customer Info
7. Back to main menu

Enter your choice: 1

          ALL SUPPORT STAFF

 Support Staff #1
   Name: Emma Davis
   Age: 29
   Staff ID: 2001
   Email: emma@support.com
   Available: Yes
```

```
        SUPPORT STAFF MANAGEMENT
1. View All Support Staff
2. Add New Support Staff
3. Assign Issue to Staff
4. Update Issue Status
5. Resolve Issue
6. View Staff Customer Info
7. Back to main menu

Enter your choice: 2

--- Add New Support Staff ---
Enter staff name: Peter Jones
Enter staff age: 24
Enter staff ID: 2002
Enter staff email: peter@support.com
Enter initial issue type (or 'None'): None
Staff added.

[OK] Support staff added successfully!
```

Viewing all support staff and adding a new staff member

1. **View All Support Staff**: Displays all support staff information

2. **Add New Support Staff**: Create a new support staff member by entering a name, age, staff ID, email, and initial issue type

3. **Assign Issue to Staff**: Assign an issue to a chosen staff member and connect it to an order

4. **Update Issue Status**: Change an order's issue status (Open, In Progress, Resolved, Closed)

5. **Resolve Issue**: Resolve an assigned issue, and make that staff member available for new issues

6. **View Staff Customer Info**: View the order(s) assigned to a staff member

7. **Back to main menu**: Goes back to the main menu

Option 6: Manage Payments


```
--- Create New Payment ---

        ALL ORDERS

 Order #1
   Status: Pending
   Time: 12:30 PM, 11/03/2025

 Order #2
   Status: In Progress
   Time: 1:15 PM, 11/03/2025

Select order number: 2
Enter subtotal amount: $15.99
Enter tax amount: $1.00
Enter delivery fee: $5.00
Select payment method
1. Credit Card
2. Debit Card
3. Cash
1
Payment method set to: Credit Card

[OK] Payment created successfully!
Payment ID: 1
Total Amount: $21.99
```

```
--- Generate Receipt ---

        ALL PAYMENTS

 Payment #1
   Total: $21.99

Enter payment number: 1

===== RECEIPT =====
Payment ID: 1
Order ID: 2
Subtotal: $15.99
Tax: $1.0
Delivery Fee: $5.0
Total: $21.99
Status: Pending
==================
```

Creating a new payment and viewing a receipt

1. **Create New Payment**: Enter subtotal, tax, delivery fee, and payment option for an order

2. **View All Payments**: Displays all payments

3. **Process Payment**: Confirm payment

4. **Generate Receipt**: View a receipt's Payment ID, Order ID, Subtotal, Tax, Delivery Fee, Total, and Status for a selected order

5. **Back to Main Menu**: Goes back to the main menu

Option 7: View Reports


```
        SYSTEM REPORTS

 CUSTOMER STATISTICS

Total Customers: 4
Amount of customers: 4

 DRIVER STATISTICS

Total Drivers: 2
  ? Mike Williams (ID: 1001) - Email: mike@delivery.com
  ? Lisa Brown (ID: 1002) - Email: lisa@delivery.com

 RESTAURANT INFORMATION

Total Restaurants: 2
  ? Pizza Palace - 4 items
  ? Burger Haven - 4 items

 ORDER STATISTICS

Total Orders: 2
  ? Pending: 1
  ? In Progress: 1
  ? Delivered: 0

 PAYMENT STATISTICS

Total Payments: 1
Total Revenue: $21.99

 SUPPORT STAFF

Staff ID: 2001 | Name: Emma Davis | Available: true | Status: Closed
Staff ID: 2002 | Name: Peter Jones | Available: true | Status: Resolved
```

Customer, driver, order, and payment statistics as well as restaurant and support staff information