

# Food Delivery Management System User Guide

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

## Using the Main Menu

```
===== FOOD DELIVERY MANAGEMENT SYSTEM =====
Initializing system with dummy data...
Customer added.
Customer added.
Customer added.
Driver added.
Driver added.
Staff added.
[OK] Dummy data initialized successfully!

=====
MAIN MENU
=====
1. Manage Customers
2. Manage Delivery Drivers
3. Manage Restaurants
4. Manage Orders
5. Manage Support Staff
6. Manage Payments
7. View Reports
8. Exit
=====
Enter your choice: |
```

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
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## Option 1: Manage Customers

The screenshot shows a terminal window with two main sections. On the left, under 'CUSTOMER MANAGEMENT', there is a numbered menu from 1 to 6. Below the menu, a prompt asks for a choice, followed by a series of input lines for adding a new customer: name, age, email, and address. A success message '[OK] Customer added successfully!' is shown. On the right, under 'ALL CUSTOMERS', there is a table-like structure displaying four customer entries, each with a customer number, name, age, email, and address.

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

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## Option 2: Manage Delivery Drivers

DRIVER MANAGEMENT	ALL DRIVERS
<ul style="list-style-type: none"><li>1. Add New Driver</li><li>2. View All Drivers</li><li>3. View Driver Ratings</li><li>4. Add Driver Rating</li><li>5. Back to Main Menu</li></ul> <p>Enter your choice: 2</p>	<p>Driver #1 Name: Mike Williams Age: 32 Employee ID: 1001 Email: mike@delivery.com</p> <p>Driver #2 Name: Lisa Brown Age: 27 Employee ID: 1002 Email: lisa@delivery.com</p>

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
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## Option 3: Manage Restaurants

```
RESTAURANT MANAGEMENT
1. View All Restaurants
2. View Restaurant Menu
3. Filter Menu by Category
4. View Restaurant Details
5. Back to Main Menu

Enter your choice: 1
ALL RESTAURANTS

Restaurant #1
===== Restaurant Information =====
Name: Pizza Palace
Phone: 575-555-0100
Hours: 11:00 AM - 10:00 PM
Delivery Fee: $5.0
=====

Restaurant #2
===== Restaurant Information =====
Name: Burger Haven
Phone: 575-555-0200
Hours: 10:00 AM - 10:00 PM
Delivery Fee: $5.0
=====

RESTAURANT MANAGEMENT
1. View All Restaurants
2. View Restaurant Menu
3. Filter Menu by Category
4. View Restaurant Details
5. Back to Main Menu

Enter your choice: 2
--- View Restaurant Menu ---
1. Pizza Palace
2. Burger Haven
Select restaurant: 1
Pizza Palace Menu:
===== Menu Items =====
Pepperoni Pizza - $10.99
Cheese pizza with mozzarella
Category: Main Course
Allergens: Dairy, Gluten
prep Time: 15 min

Caesar Salad - $8.99
Fresh romaine with caesar dressing
Garnished with parmesan
Allergens: Dairy
prep Time: 15 min

Garlic Breadsticks - $5.99
Warm breadsticks with garlic butter
Category: Appetizer
Allergens: Gluten, Dairy
prep Time: 15 min

Fountain Soda - $2.99
Choice of Coke, Sprite, or Dr. Pepper
Category: Beverage
prep Time: 15 min
```

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
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## Option 4: Manage Orders

<p><b>ORDER MANAGEMENT</b></p> <p>1. Create New Order 2. View All Orders 3. Update Order Status 4. View Order Details 5. Back to Main Menu</p> <p>Enter your choice: 1</p> <p>--- Create New Order ---</p> <p><b>ALL CUSTOMERS</b></p> <p>Customer #1 Name: Sarah Johnson Age: 30 Email: sarah@email.com Address: 456 Oak Ave, Portales, NM</p> <p>Customer #2 Name: Michael Chen Age: 42 Email: michael@email.com Address: 789 Pine Rd, Portales, NM</p> <p>Customer #3 Name: Henry Smith Age: 45 Email: henry@email.com Address: 930 Ashton Rd, Portales, NM Allergies: [Shellfish]</p> <p>Select customer number: 1 Enter order time (e.g., 12:30 PM): 3:00 PM Enter order date (e.g., 11/03/2025): 11/7/2025 Enter special instructions (or press Enter to skip): [OK] Order created successfully! Order ID: 3</p>	<p><b>ORDER MANAGEMENT</b></p> <p>1. Create New Order 2. View All Orders 3. Update Order Status 4. View Order Details 5. Back to Main Menu</p> <p>Enter your choice: 2</p> <p><b>ALL ORDERS</b></p> <p>Order #1 Status: Pending Time: 12:30 PM, 11/03/2025</p> <p>Order #2 Status: In Progress Time: 1:15 PM, 11/03/2025</p> <p>Order #3 Status: Pending Time: 3:00 PM, 11/7/2025</p>
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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

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## 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
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## 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: $1.00
Delivery Fee: $5.00
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

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## 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