

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

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=====
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

CUSTOMER MANAGEMENT	ALL CUSTOMERS
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	Customer #1 Name: John Smith Age: 28 Email: john@email.com Address: 123 Main St, Portales, NM
Enter your choice: 1	Customer #2 Name: Sarah Johnson Age: 35 Email: sarah@email.com Address: 456 Oak Ave, Portales, NM
--- 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.	Customer #3 Name: Michael Chen Age: 42 Email: michael@email.com Address: 789 Pine Rd, Portales, NM
[OK] Customer added successfully!	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
<ol style="list-style-type: none">1. Add New Driver2. View All Drivers3. View Driver Ratings4. Add Driver Rating5. Back to Main Menu <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: 575-555-9188
Hours: 11:00 AM - 10:00 PM
Delivery Fee: $5.0
=====

Restaurant #2
===== Restaurant Information =====
Name: Burger Haven
Phone: 575-555-8288
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 - $12.99
Classic pepperoni with mozzarella
Category: Main Course
Allergens: Dairy, Gluten
Prep Time: 15 min

-----
Cesar Salad - $8.99
Fresh romaine with caesar dressing
Category: Appetizer
Allergens: Dairy
Prep Time: 15 min

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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

ORDER MANAGEMENT	ORDER MANAGEMENT
1. Create New Order 2. View All Orders 3. Update Order Status 4. View Order Details 5. Back to Main Menu	1. Create New Order 2. View All Orders 3. Update Order Status 4. View Order Details 5. Back to Main Menu
Enter your choice: 1 --- Create New Order ---	Enter your choice: 2
ALL CUSTOMERS	ALL ORDERS
Customer #1 Name: Sarah Johnson Age: 35 Email: sarah@email.com Address: 456 Oak Ave, Portales, NM	Order #1 Status: Pending Time: 12:30 PM, 11/03/2025
Customer #2 Name: Michael Chen Age: 42 Email: michael@email.com Address: 789 Pine Rd, Portales, NM	Order #2 Status: In Progress Time: 1:15 PM, 11/03/2025
Customer #3 Name: Henry Smith Age: 45 Email: henry@email.com Address: 910 Ashton Rd, Portales, NM Allergies: [Shellfish]	Order #3 Status: Pending Time: 3:00 PM, 11/7/2025
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	

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	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	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	Enter your choice: 2
ALL SUPPORT STAFF	--- Add New Support Staff ---
Support Staff #1 Name: Emma Davis Age: 29 Staff ID: 2001 Email: emma@support.com Available: Yes	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

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