

User Guide to Food Delivery Management System

Introduction

Welcome to the Food Delivery Management system! We're happy you're here. This system allows users to log in as registered customers or guests to place food orders, peruse the menu, and edit their information to be used for taking orders. It also allows users to log in as employees to pick from delivery jobs for orders set by customers, perform maintenance on the system, and edit their information as well. This guide will help you navigate through the system as intended.

Before you Get Started

Please read the readme.txt file for information about compiling the program.

In the instance that a menu is asking you to select a numeric choice, please enter in the number associated with that choice. If you enter a number that is not associated with any choice on the screen, the program will tell you that the value is invalid.

```
Main Menu:
1. Enter as Customer/Guest
2. Enter as Employee
3. Exit

Please select your choice: 4

That choice was invalid...Please try again.
Main Menu:
1. Enter as Customer/Guest
2. Enter as Employee
3. Exit

Please select your choice: _
```

If the program is asking you to confirm something with a prompt that ends with “y/n: “, only enter the letter “y” or the letter “n”. “y” represents yes and is the only choice that the program will accept. Any other character value will cancel the operation. You do not need to type out the full word “yes” or “no”.

When the program asks you to enter a word or series of words, then it is fine to enter the whole word.

Main Menu

Upon opening the program, you will see the **Main Menu**.

```
Main Menu:
-----
1. Enter as Customer/Guest
2. Enter as Employee
3. Exit
-----
Please select your choice: _
```

In this menu, you will have three options to choose from:

1. Enter as Customer/Guest
2. Enter as Employee
3. Exit

Simply type in the number corresponding to the menu option when prompted to do so, and you'll be redirected to a new submenu.

Customer Entry

If you select option 1, you will be taken to the **Customer Entry Submenu**:

```
Main Menu:
-----
1. Enter as Customer/Guest
2. Enter as Employee
3. Exit
-----
Please select your choice: 1

Customer Entry:
-----
1. Log In
2. Sign Up
3. Order as Guest
4. Back to Main
-----
Please select your choice:
```

From here, you can choose to **Log In**, **Sign Up**, **Order as a Guest**, or **Return to the Main Menu**. Selecting these options will perform the following.

Log In

```
Customer Entry:
1. Log In
2. Sign Up
3. Order as Guest
4. Back to Main

Please select your choice: 1

Account Login

Please enter your email address: _
```

You will be prompted to enter your email address and password credentials associated with your account. Two example customer accounts have been provided to you. Their information will be provided in the section titled **Example Login Information**.

Sign Up

```
Customer Entry:
1. Log In
2. Sign Up
3. Order as Guest
4. Back to Main

Please select your choice: 2

Account Sign Up

Please enter your name:
```

This is where you will create a new customer account with the food management system. You will be prompted to enter your name, email address, and password you wish to use for your profile. Once your profile has been created, you can change these at any time.

Order as Guest

```
Customer Entry:
1. Log In
2. Sign Up
3. Order as Guest
4. Back to Main

Please select your choice: 3

Welcome, Guest!
What would you like to do today?
1. Place an Order
2. View Menu
3. View Current Orders
4. View Order History
5. Go to Profile Settings
6. Logout

Please select your choice:
```

If you want to be able to view the menu and place an order without creating a user profile, select this option. A temporary guest profile will be generated for you so you can place an order. However, it is very important that you remember your guest ID and Order number after placing your order. As soon as you log out of your guest profile, it cannot be accessed again

Back to Main

This will return you to the Main Menu.

Customer Menu

After either logging in, signing up, or entering as a guest, you will be greeted by the **Customer Submenu:**

```
Account Login

Please enter your email address: jdoe123@johndoe.com
Please enter your password: Password1
Successfully logged in!

Welcome, John Doe!
What would you like to do today?

1. Place an Order
2. View Menu
3. View Current Orders
4. View Order History
5. Go to Profile Settings
6. Logout

Please select your choice:
```

If you are logged in with a user profile, you should see your name right at the top of the menu. In this menu, you have 6 options to choose from:

1. Place an Order
2. View Menu
3. View Current Orders
4. View Order History
5. Go to Profile Settings
6. Logout

Place an Order

Selecting this option will open the **Place Order Submenu**:

```
What would you like to do with your order?

1. Add Dish
2. Add Side
3. Remove Dish
4. Remove Side
5. View/Continue to Place Order
6. Cancel Order

Please select your choice:
```

Here you will be able to place an order for delivery using the food items from the **Food Menu**. For more information about how the menu works, please refer to the **View the Menu** section of this guide.

You have six options to choose from in this submenu:

1. Add Dish
2. Add Side
3. Remove Dish
4. Remove Side
5. View Order/Continue to Payment
6. Cancel Order

Add Dish/Add Side

```
Please enter the ID of the dish you wish to add to your order: 1
How many of these would you like to add to your order?: 2
Inventory quantity updated for tomato
Inventory quantity updated for dough
Inventory quantity updated for cheese
Dish has been added successfully!

Would you like to add any other dishes to your order? y/n: y
Please enter the ID of the dish you wish to add to your order: 2
How many of these would you like to add to your order?: 1
Inventory quantity updated for bun
Inventory quantity updated for patties
Dish has been added successfully!

Would you like to add any other dishes to your order? y/n: n
What would you like to do with your order?

1. Add Dish
2. Add Side
3. Remove Dish
4. Remove Side
5. View/Continue to Place Order
6. Cancel Order

Please select your choice:
```

Selecting either option 1 or 2 will allow you to add either a dish or side to your order respectively.

If you are adding a dish to your order, the system will prompt you to enter the ID of the dish that you want to add to your order. This ID can be found in the **Food Menu**. If the input ID number is associated with an existing dish item, the program will then ask you to enter the number of that specific dish you want to add to your order. If you enter any number less than 0, nothing will be added to your order. If the input ID is not associated with an existing dish item, the program will inform you that the dish does not exist and will not add anything to your order either.

If you are adding a side to your order, simply enter the name of the side you wish to add to your order. Again, this information can be found in the **Food Menu**. If the name of the side corresponds to an existing side in the system, similar to adding a dish, the program will ask you to enter the number of that specific side you want to add to your order. If that number is less than 0, nothing will be added. If the input name is not associated with an existing side, the program will inform you that the side does not exist and will not add anything to your order.

After adding either a dish or side, the program will then ask you if you want to add any other dishes or sides to your order. If you enter “y”, the program will again prompt you to enter either the dish ID or side name and go through the process of receiving the items you want to add to your order. If you enter “n”, you will be sent back to the **Place Order Submenu**.

Remove Dish/Remove Side

```
Please enter the ID of the dish you wish to remove from your order: 1
Dish has been removed successfully!

Updated quantity for tomato
Updated quantity for dough
Updated quantity for cheese
Would you like to remove any other dishes to your order? y/n: n
What would you like to do with your order?

1. Add Dish
2. Add Side
3. Remove Dish
4. Remove Side
5. View/Continue to Place Order
6. Cancel Order

Please select your choice: _
```

Selecting either option 3 or 4 will allow you to remove either a dish or side from your order respectively

Input-wise, this works the same as adding a dish or side. The main difference is that you are entering the ID/name to remove the item, and only one item can be removed at a time. If the item is not already in your order, the program will display a message letting you know that the item is not in your order, and nothing will be removed.

Just like adding an item, once you finish removing an item, the program will ask you if you want to remove another dish or side from your order. Entering “y”, will prompt you again to

enter either the dish ID or side name. Entering “n” will return you to the **Place Order Submenu**.

View /Continue to Place Order

Selecting this option will allow you to view and place your order if you are ready.

```
Tax rate set to 0.04874999821186066
Order for: John Doe
Customer #101
:
-----
Order #101
-----
Dishes:
-----
pizza (ID: 1, Price: $9.99)
burger (ID: 2, Price: $5.99)
Sides:
-----

Tax rate: 0.04874999821186066%
Tax cost: 0.01
The total cost of the order is: $15.99
Are you ready to place this order? y/n: _
```

Before you can place your order, the program will display a receipt of your order and give you a prompt asking you if you are ready to place the order. Entering “y” will begin the order placement process. Entering “n” will cancel the operation and return you back to the **Place Order Submenu**. If you have not added anything to your order yet, the program will display a message letting you know that you cannot place the order yet because it is still empty.

After beginning the order placing process, you will be prompted to enter the address where you want the order to be delivered. If you have no addresses on file, you are required to enter a new address and then select it as your delivery address.

Once your delivery address has been set, you will be prompted to enter your payment method. Similar to the delivery address, if you do not have any payment methods on file, you will be required to enter a new payment method and select it from your payment methods to confirm the payment.

Also similar to the delivery address, if you do have a current payment method on file, you may choose to either use that payment method or a separate payment method. If you choose to use a separate payment method, you may either use an already existing payment method or add a new one and assign it to your order.


```
Tax rate: 0.04874999821186066%
Tax cost: 0.01
The total cost of the order is: $15.99
Are you ready to place this order? y/n: y
Would you like to use your primary address? y/n: y
Do you want to use your current payment method? y/n: y

Order for: John Doe (In Progress)
Customer #101

Order #101

Dishes:
-----
pizza: 9.99
burger: 5.99

Sides:
-----

Tax:   $0.01
Total: $15.99
Paid with: mastercard
-----
Delivery Driver: Not Yet Assigned
Deliver to:
123 Address ln.
Addressia, ST 12345

Your order has been successfully placed!
Please make sure to save your order number so the delivery driver
can confirm your order.
If you are a guest, please make sure you copy your guest ID number
before you log out, since you won't be able to log back in to view
your order.

<<Press enter to continue>>
```

As soon as the delivery address and payment methods have been set, your order will be placed! You will receive a full receipt of the order, including your customer ID, the order ID, all of the dishes and sides, the cost and payment method used, the delivery address and delivery person. The delivery person will not be set immediately after your order has been placed, as it is up to the delivery person to choose what order they want to take.

WARNING: If you have placed an order as a guest, please ensure that you keep your order number and guest ID on hand to verify the order when it is delivered to you. Once you log out, you will not be able to access your guest profile again since there are no credentials stored for that profile.

Cancel Order

Selecting this option will cancel your order and return you to the **Customer Submenu**.

View the Menu

Selecting this option will show you the **Food Menu**:

```
-- Dishes --
pizza (ID: 1, Price: $9.99)
- 5 tomato
- 2 dough
- 5 cheese

burger (ID: 2, Price: $5.99)
- 2 bun
- 1 patties

pasta (ID: 3, Price: $7.99)
- 2 noodles
- 5 tomato

-- Sides --
breadsticks
- 1 dough

french fries
- 5 potato

Welcome, John Doe!
What would you like to do today?

1. Place an Order
2. View Menu
3. View Current Orders
4. View Order History
5. Go to Profile Settings
6. Logout

Please select your choice: _
```

Here, you will see all of the available dishes and sides that are provided by the Food Delivery Management System. This is where you will go to find the ID numbers for the dishes, so you'll know which Dish ID numbers to use when you're placing an order. It also shows the price of each dish, giving you an idea of what each dish costs before you place your order. It is recommended that you view the Food Menu first before placing an order, so you know which items from the menu you are ordering.

View Current (Unfulfilled) Orders

```
Please select your choice: 3

Order for: John Doe (In Progress)
Customer #101

Order #101

Dishes:
-----
pizza: 9.99
burger: 5.99

Sides:
-----

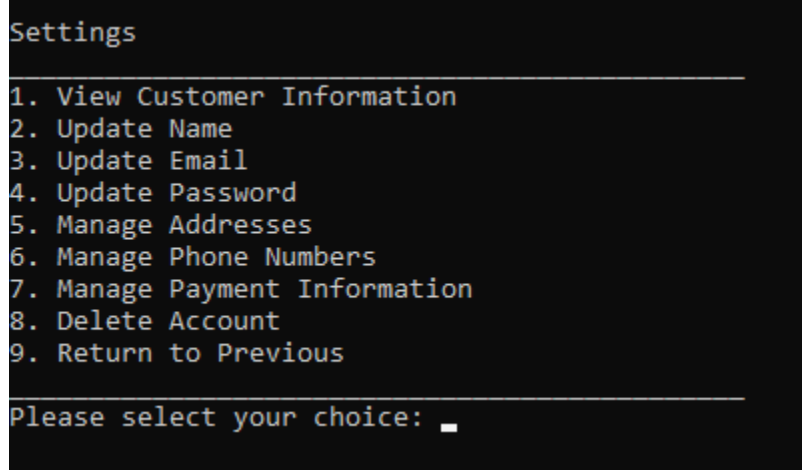
Tax:    $0.01
Total:  $15.99
Paid with: mastercard
-----
Delivery Driver: Not Yet Assigned
Deliver to:
123 Address ln.
Addressia, ST 12345
```

Selecting this option will show you any orders that are still currently **in progress** or **unfulfilled**. Please be aware that this option is different from your **Order History**, since this only shows orders that have not yet been fulfilled. Once an order has been fulfilled, it will not appear in this option. When there are no orders, the program will display a message letting you know that no orders have been placed yet. If all of your orders have been fulfilled, the program will display a message letting you know that all of your orders have been fulfilled.

View Order History

Selecting this option will show you your entire **Order History**. All of your orders, both fulfilled and unfulfilled, will be displayed here. Similarly to the previous option, if no orders have been placed yet, the program will display a message letting you know that no orders have been placed yet.

Profile Settings



Selecting this option will allow you to view and edit various profile settings. These settings include:

1. View Customer Information
2. Update Name
3. Update Email
4. Update Password
5. Manage Addresses
6. Manage Phone Numbers
7. Manage Payment Information
8. Delete Account
9. Return to Previous

Logout

This will log you out of your profile and return you back to the Customer Entry submenu.

Employee Entry

If you select option 2, you will be taken to the **Employee Entry Submenu**:

```
Main Menu:
```

-
- 1. Enter as Customer/Guest
 - 2. Enter as Employee
 - 3. Exit

```
Please select your choice: 2
```

```
Employee Entry:
```

-
- 1. Login
 - 2. Create new Profile
 - 3. Back to Main

```
Please select your choice: █
```

Similarly to the Customer Entry Submenu, you can Log In, Create a New Profile, or return back to main. Selecting these options will perform the following:

Log In

```
Employee Entry:
```

-
- 1. Login
 - 2. Create new Profile
 - 3. Back to Main

```
Please select your choice: 1
```

```
Account Login
```

```
Please enter your email address:
```

You will be prompted to enter your email address and password credentials associated with your employee profile. Similarly to the customer accounts, two example employee accounts have been provided to you as well. Their information will also be provided in the **Example Login Information** section of this guide.

Create new Profile

```
Employee Entry:
1. Login
2. Create new Profile
3. Back to Main

Please select your choice: 2

Create New Employee Profile

Please enter your name:
```

This is where you will create a new employee profile with the food management system. You will be prompted to enter your name, email address, and password you wish to use for your profile. Just like with a customer profile, once your profile has been created, you can change these at any time.

Back to Main

Just like before, this will return you to the Main Menu.

Employee Menu

After logging in or creating a new employee profile, you will be greeted by the **Employee Submenu**:

Account Login

Please enter your email address: bobrob@gmail.com

Please enter your password: passwordBR

Successfully logged in!

Welcome, Bob Robertson!

What would you like to do today?

1. View Available Orders for Delivery
 2. View Current Order Assignments
 3. View Order History
 4. Go to Profile Settings
 5. System Settings
 6. Logout
-

Please select your choice:

The options in this submenu are pretty different from the Customer Submenu. The options for this submenu are as follows:

1. View Available Orders for Delivery
2. View Current Order Assignments
3. View Order History
4. Menu Settings
5. Go to Profile Settings
6. Logout

View Available Orders for Delivery

```
Please select your choice: 1

Order for: John Doe (In Progress)
Customer #101

Order #101

Dishes:
-----
pizza: 9.99
burger: 5.99

Sides:
-----

Tax:   $0.01
Total: $15.99
Paid with: mastercard
-----
Delivery Driver: Not Yet Assigned
Deliver to:
123 Address ln.
Addressia, ST 12345

Would you like to take on any of these orders? y/n: _
```

Selecting this option will display all orders that have been made by customers but have not been selected to be delivered by a Delivery Person

This is where you go to select which orders you want to deliver. The program will first display all available orders to you. Then, it will prompt you to ask if you would like to take on any of the orders shown. You will either answer “y” or “n”.


```
Would you like to take on any of these orders? y/n: y
Enter the ID of the order you wish to take: 101
You have been assigned Order #101
```

```
Welcome, Bob Robertson!
What would you like to do today?
```

-
1. View Available Orders for Delivery
 2. View Current Order Assignments
 3. View Order History
 4. Go to Profile Settings
 5. System Settings
 6. Logout

```
Please select your choice: _
```

If you enter “y”, you will be asked to enter the order ID associated with the order that you want to fulfill. Once you have done that, you will be assigned as the Delivery Driver for that order, and it will be removed from the list of orders. Finally, you will be returned to the Employee Submenu.

If you enter “n”, you will just be sent back to the Employee Submenu.

If there are no orders available to choose from, the program will display a message stating that no orders have been placed yet.

View Current Order Assignments

```
Order for: John Doe (In Progress)
Customer #101

Order #101

Dishes:
-----
pizza: 9.99
burger: 5.99

Sides:
-----

Tax:   $0.01
Total: $15.99
Paid with: mastercard
-----
Delivery Driver: Bob Robertson
Deliver to:
123 Address ln.
Addressia, ST 12345

Have you fulfilled any of these orders yet? y/n:
```

This is where you will go to see all of your orders that you are assigned to but have not yet fulfilled. It is also where you will go to mark those orders as being fulfilled.

Functionally, this option is similar to the **View Available Orders for Delivery** option, except you are fulfilling the order rather than choosing an order to fulfill. The program will first display all of the orders to you that you have not yet fulfilled. Then, it will prompt you to ask if you have fulfilled any of the orders shown. You will either answer “y” or “n”

```
Have you fulfilled any of these orders yet? y/n: y
Enter the ID of the order you have fulfilled: 101
Order #101 has been fulfilled!
```

```
Welcome, Bob Robertson!
What would you like to do today?
```

-
1. View Available Orders for Delivery
 2. View Current Order Assignments
 3. View Order History
 4. Go to Profile Settings
 5. System Settings
 6. Logout

```
Please select your choice: _
```

If you enter “y”, you will be asked to enter the order ID associated with the order that you want to fulfill. Once you have done that, the Food Management System will label that order as “Fulfilled”, and it will be removed from the list. Finally, you will be returned to the Employee Submenu.

And just like before, if you enter “n”, you will just be sent back to the Employee Submenu.

If all of your orders have been fulfilled, the program will inform you that you have fulfilled all of your order assignments.

View Order History

```
Order for: John Doe (Fulfilled)
Customer #101
```

```
Order #101
```

```
Dishes:
```

```
-----
pizza: 9.99
burger: 5.99
```

```
Sides:
```

```
-----
```

```
Tax:   $0.01
Total: $15.99
Paid with: mastercard
```

```
-----
Delivery Driver: Bob Robertson
Deliver to:
123 Address ln.
Addressia, ST 12345
```

Selecting this option will show you your entire **Order History**. Similarly to the Customer order history, all of your orders, both fulfilled and unfulfilled, will be displayed here. The only difference is that these are orders that you are/were tasked with delivering. If you have not yet selected any orders to deliver, the program will display a message letting you know that there are no orders to show yet.

Profile Settings

```
Please select your choice: 4
```

```
Settings
```

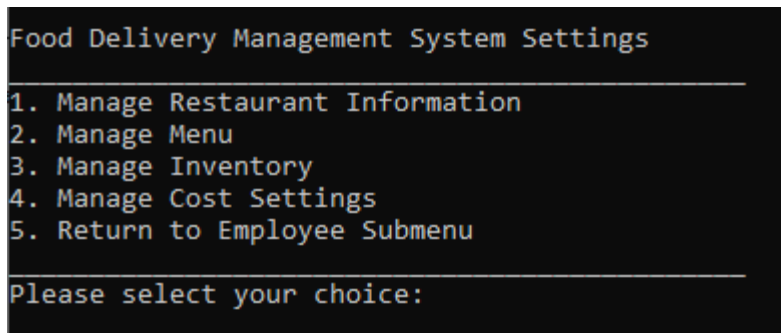
-
1. View Employee Information
 2. Update Name
 3. Update Email Address
 4. Update Password
 5. Manage Vehicle
 6. Manage Phone Numbers
 7. Delete Account
 8. Return to Previous

```
Please select your choice: █
```

Similar to a customer user, selecting this option will allow you to view and edit your profile settings. These settings include:

1. View Employee Information
2. Update Name
3. Update Email
4. Update Password
5. Manage Vehicle
6. Manage Phone Numbers
7. Delete Account
8. Return to Previous

System Settings



This option will take you to the System Settings Submenu. This is where employees can manage data in regard to the restaurant, food menu, inventory, and cost calculation. Here, you will have 5 options:

1. Manage Restaurant Information
2. Manage Menu
3. Manage Inventory
4. Manage Cost Settings
5. Return to Employee Submenu

Manage Restaurant Information

```
--- Restaurant Management Menu ---
1. Manage Locations
2. Manage Phone Numbers
3. Manage Emails
4. Manage Opening Hours
5. View Restaurant Name
6. Change Restaurant Name
7. Exit
Enter your choice: _
```

This option allows you to manage the information about the restaurant. This includes the locations, phone numbers, emails, open hours, and name of the restaurant.

Manage Menu

```
--- Menu Management Menu ---
1. Manage Dishes
2. Manage Sides
3. View Menu
4. Return
Enter your choice:
```

This option allows you to manage the dishes and sides of the food menu. It is also where the employees can view the menu .

If you select the option to manage Dishes, you can add and remove dishes, update the dish's name, price, and recipe, and view all of the dishes on the menu. The same applies with Sides.

Manage Inventory

```
--- Inventory Management Menu ---
1. Update item quantity
2. Decrease item quantity
3. View inventory
4. Return
Enter your choice:
```

This option allows you to manage the inventory of ingredients for each of the dishes and sides on the menu. You can View the inventory, update the quantity of items, and decrease the quantity of items.

Manage Cost Settings

```
--- Cost Management Menu ---
1. Set tax rate
2. View tax rate
3. Return
Enter your choice: _
```

This area is mostly intended for updating the tax rate in the event that the tax rate changes.

Return to Employee Submenu

Selecting this option will return you to the **Employee Submenu**.

Logout

This will log you out of your profile and return you back to the Employee Entry submenu.

Exit

```
Main Menu:
-----
1. Enter as Customer/Guest
2. Enter as Employee
3. Exit
-----
Please select your choice: 3
Goodbye!
```

Selecting this option will exit you from the Food Delivery Management system. It will even tell you goodbye before closing the program. How nice.

Example Login Information

This program utilizes preloaded customer and delivery person data for demonstration purposes. Here is the login information for the example customers and delivery people:

Customer 1:

- Name: John Doe
- Email: jdoe123@johndoe.com
- Password: Password1

Customer 2:

- Name: Mary Sue
- Email: ms567@yahoo.com
- Password: Password2

Delivery Person 1:

- John Smith
- Email: jsmith678@gmail.com
- Password: passwordJS

Delivery Person 2:

- Bob Robertson
- Email: bobrob@gmail.com
- Password: passwordBR