

# Restaurant Management System

## Group - 14 Presentation

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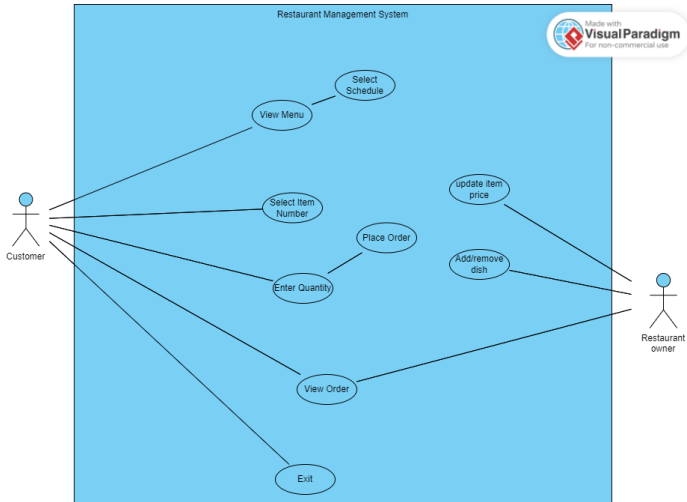
# Outline

- Introduction
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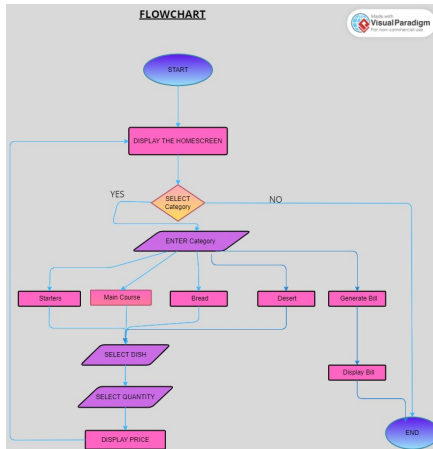
# Introduction

Our Restaurant Management System is a robust solution designed specifically for the food service industry. It optimizes restaurant operations, from maintaining order history to updating food items. It has separate panel for customers to place their order which is built on masm32.

# Use Case Diagram

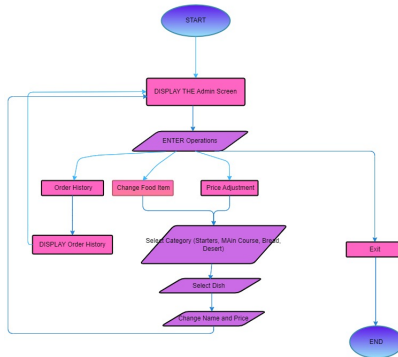


# FlowChart for Customer



# FlowChart for Restaurant Admin

## FLOWCHART



# Restaurant Admin : 1. View Order History

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.22631.3447]
(c) Microsoft Corporation. All rights reserved.

E:\Restaurant-Mangement-System>main.exe

Welcome to Restaurant Mangement System
+-----+
| 1. Restaurant Admin |
| 2. Order Food       |
+-----+
Enter Your Option(1-2) >1

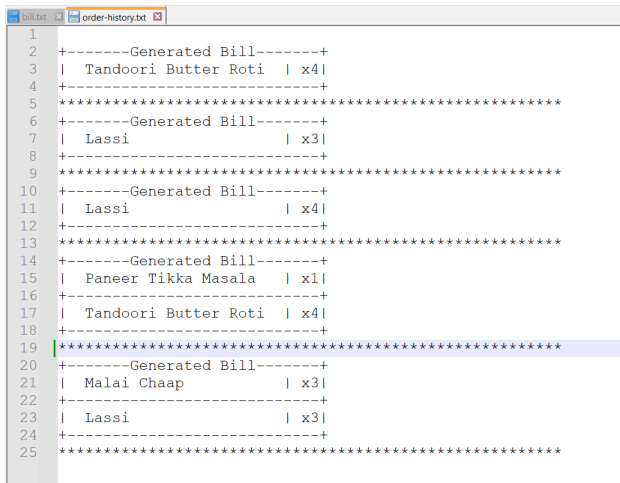
Welcome to Restaurant Admin
+-----+
| 1. Order History    |
| 2. Change Food Item |
| 3. Price Adjustment |
| 4. Exit             |
+-----+
Enter Your Option(1-4) >1

+-----Generated Bill-----+
| Tandoori Butter Roti | x4 |
+-----+
+-----Generated Bill-----+
| Lassi                | x3 |
+-----+
****

Welcome to Restaurant Admin
+-----+
| 1. Order History    |
| 2. Change Food Item |
| 3. Price Adjustment |
| 4. Exit             |
+-----+
Enter Your Option(1-4) >4

E:\Restaurant-Mangement-System>
```

# Customer Panel : Order History TxT File



```
bill.txt order-history.txt
1
2 +-----Generated Bill-----+
3 |  Tandoori Butter Roti  | x4|
4 +-----+
5 *****
6 +-----Generated Bill-----+
7 |  Lassi                  | x3|
8 +-----+
9 *****
10 +-----Generated Bill-----+
11 |  Lassi                  | x4|
12 +-----+
13 *****
14 +-----Generated Bill-----+
15 |  Paneer Tikka Masala   | x1|
16 +-----+
17 |  Tandoori Butter Roti  | x4|
18 +-----+
19 *****
20 +-----Generated Bill-----+
21 |  Malai Chaap           | x3|
22 +-----+
23 |  Lassi                  | x3|
24 +-----+
25 *****
```



## Restaurant Admin : 2. Change name of food item

```
Starters
+-----+
| Malai Chaap      |Rs 100
| Paneer Tikka     |Rs 150
| Chicken Tandoori |Rs 200
+-----+
Enter Your Option(1-3) >3

Enter the new name of the food item: Chicken Kebab

Welcome to Restaurant Admin
+-----+
| 1. Order History |
| 2. Change Food Item
| 3. Price Adjustment
| 4. Exit           |
+-----+
Enter Your Option(1-4) >2

Welcome to ICD Restaurant
+-----+
| 1. Starters      |
| 2. Main Course   |
| 3. Bread         |
| 4. Desert        |
| 5. Generate Bill |
| 6. Exit          |
+-----+
Enter Your Option(1-6) >1

Starters
+-----+
| Malai Chaap      |Rs 100
| Paneer Tikka     |Rs 150Chicken KebabRs 200
```

# Restaurant Admin : 3. Change price of food item

```
C:\Windows\System32\cmd.exe - main.exe
5. Generate Bill
6. Exit
-----+
Enter Your Option(1-6) >3

Breads
-----+
Tandoori Butter Roti |Rs 50
Butter Naan          |Rs 100
Tandoori Parantha    |Rs 150
-----+
Enter Your Option(1-3) >3

Enter the new price of the food item: 200

Welcome to Restaurant Admin
-----+
1. Order History
2. Change Food Item
3. Price Adjustment
4. Exit
-----+
Enter Your Option(1-4) >3

Welcome to ICD Restaurant
-----+
1. Starters
2. Main Course
3. Bread
4. Desert
5. Generate Bill
6. Exit
-----+
Enter Your Option(1-6) >3

Breads
-----+
Tandoori Butter Roti |Rs 50
Butter Naan          |Rs 100
Tandoori Parantha    |Rs 200
-----+
Enter Your Option(1-3) >
```

# Customer Panel : Order from Menu

```
C:\Windows\System32\cmd.exe
| Chicken Tandoori |Rs 200
+-----+
Enter Your Option(1-3) >1
Enter Your Quantity >3

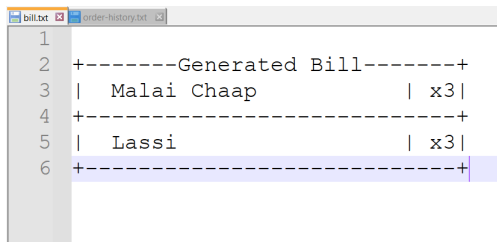
Welcome to ICD Restaurant
+-----+
| 1. Starters |
| 2. Main Course |
| 3. Bread |
| 4. Desert |
| 5. Generate Bill |
| 6. Exit |
+-----+
Enter Your Option(1-6) >4

Desert
+-----+
| Lassi |Rs 50
| Choco Lava Cake |Rs 100
| Rasmalai(2pcs) |Rs 150
+-----+
Enter Your Option(1-3) >1
Enter Your Quantity >3

Welcome to ICD Restaurant
+-----+
| 1. Starters |
| 2. Main Course |
| 3. Bread |
| 4. Desert |
| 5. Generate Bill |
| 6. Exit |
+-----+
Enter Your Option(1-6) >5

+-----Generated Bill-----+
| Malai chaap | x3|
+-----+
| Lassi | x3|
+-----+
+-----Total Price Rs 450.00-----+
E:\Restaurant-Mangament-System>
```

# Customer Panel : Bill TxT File



The screenshot shows a text editor window with two tabs: 'bill.txt' (active) and 'order-history.txt'. The 'bill.txt' file contains a bill for 'Malai Chaap' and 'Lassi'. The text is as follows:

```
1
2 +-----Generated Bill-----+
3 |   Malai Chaap                   | x3|
4 +-----+
5 |   Lassi                         | x3|
6 +-----+
```

The line numbers 1 through 6 are visible on the left side of the editor. The line containing '+-----+' at the end of the bill is highlighted in light blue.

# Conclusion

In conclusion, developing a Restaurant Management System (RMS) in x86 Assembly Language offers a tailored solution to address specific restaurant needs. Leveraging the low-level capabilities of x86 Assembly Language ensures unparalleled performance efficiency, precise hardware control, and seamless integration with restaurant hardware.

# Thank You