Restaurant Management System

Group - 14 Presentation

- **Isha Jangir** (202211031)
- **Tejas Pakhale** (202211061)
- **Rahul Gupta** (202211069)
- **Rajat Kumar Thakur** (202211070)
- **Sanskar Koserwal** (202211077)

Mentor - Dr. Varun Kumar

Indian Institute of Information Technology Vadodara International Campus Diu
Education Hub, Kevdi Diu(U.T) - 362520

IIITV-ICD

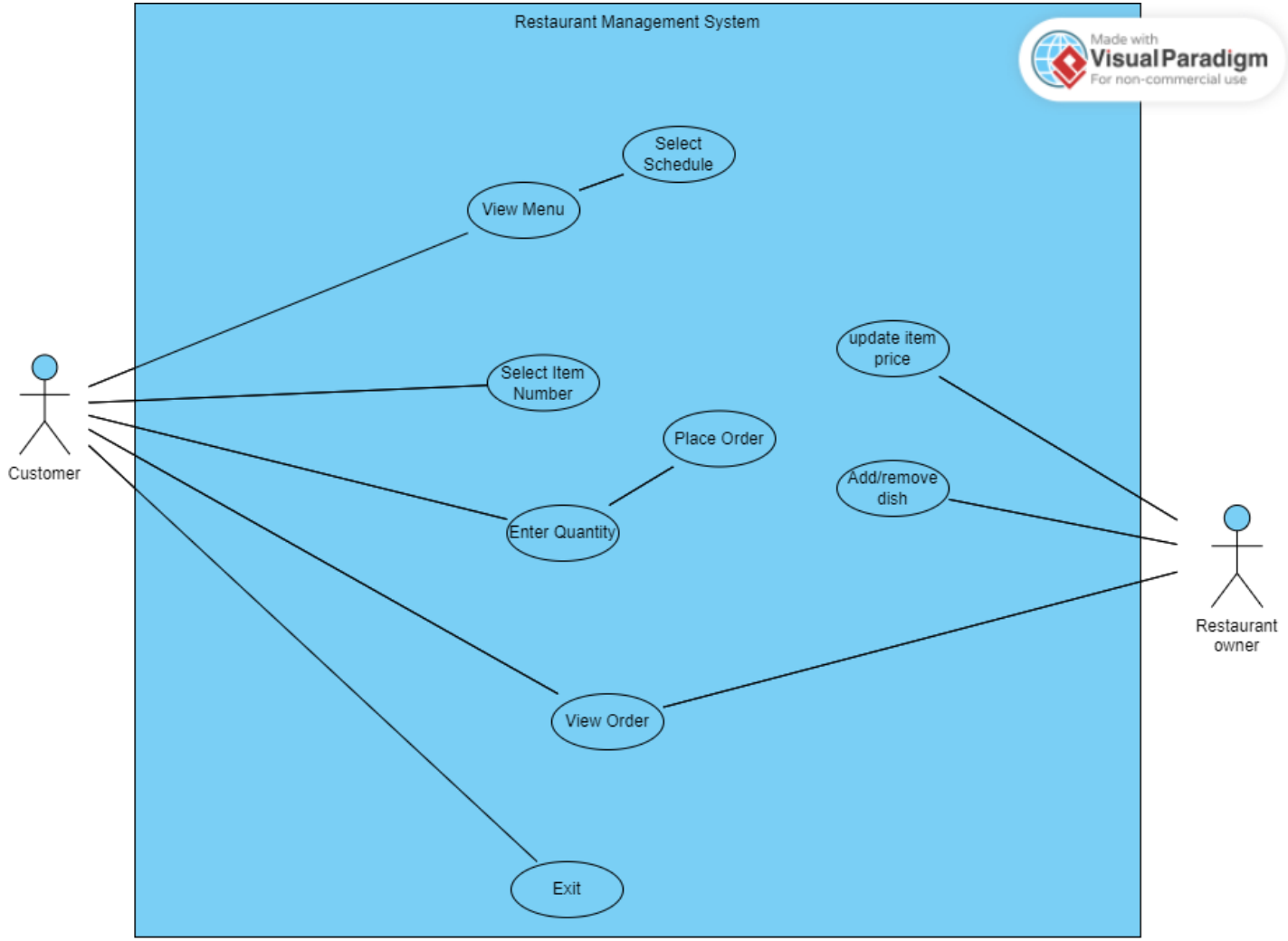
Outline

- Introduction
- Use Case
- FlowCharts
- Restaurant Admin GUI
- Customer GUI
- Order History using File Handling
- Conclusion

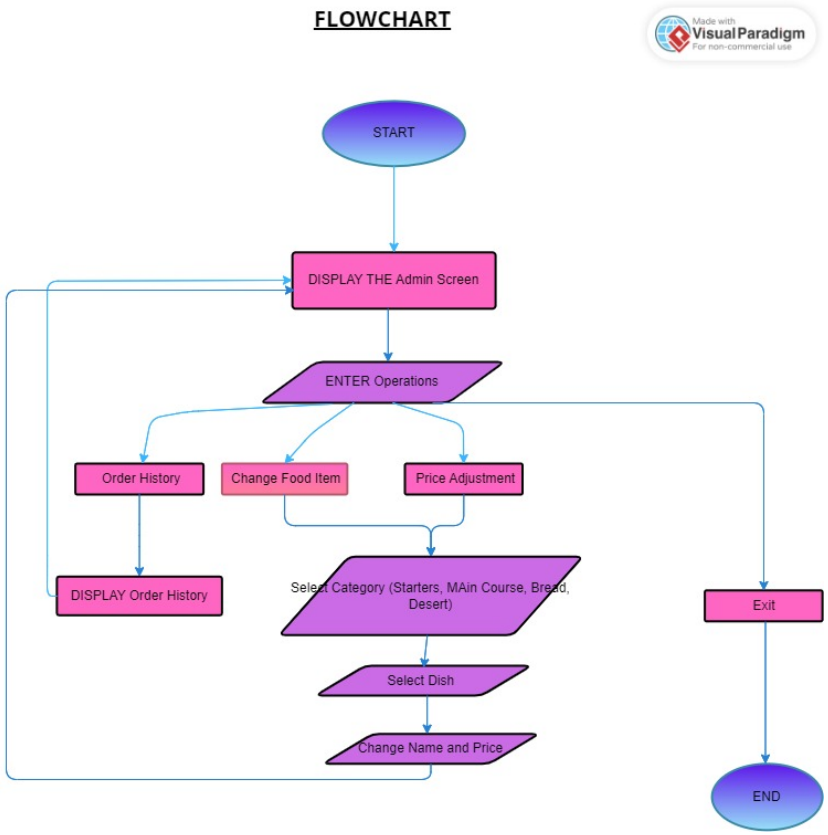
Introduction

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.

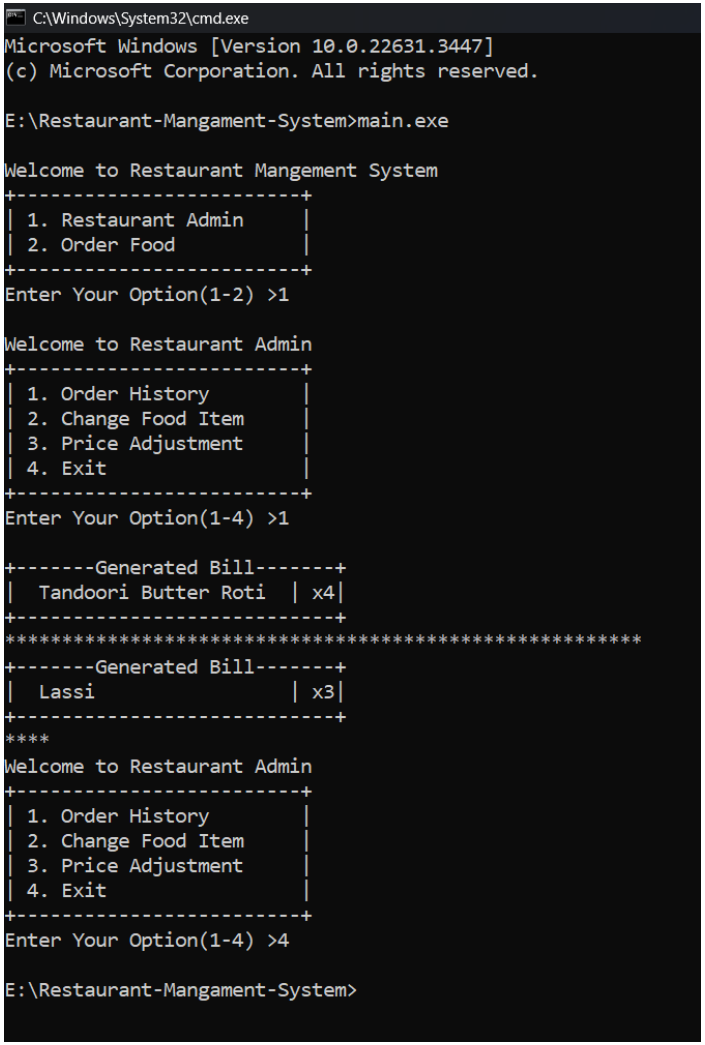
Use Case Diagram



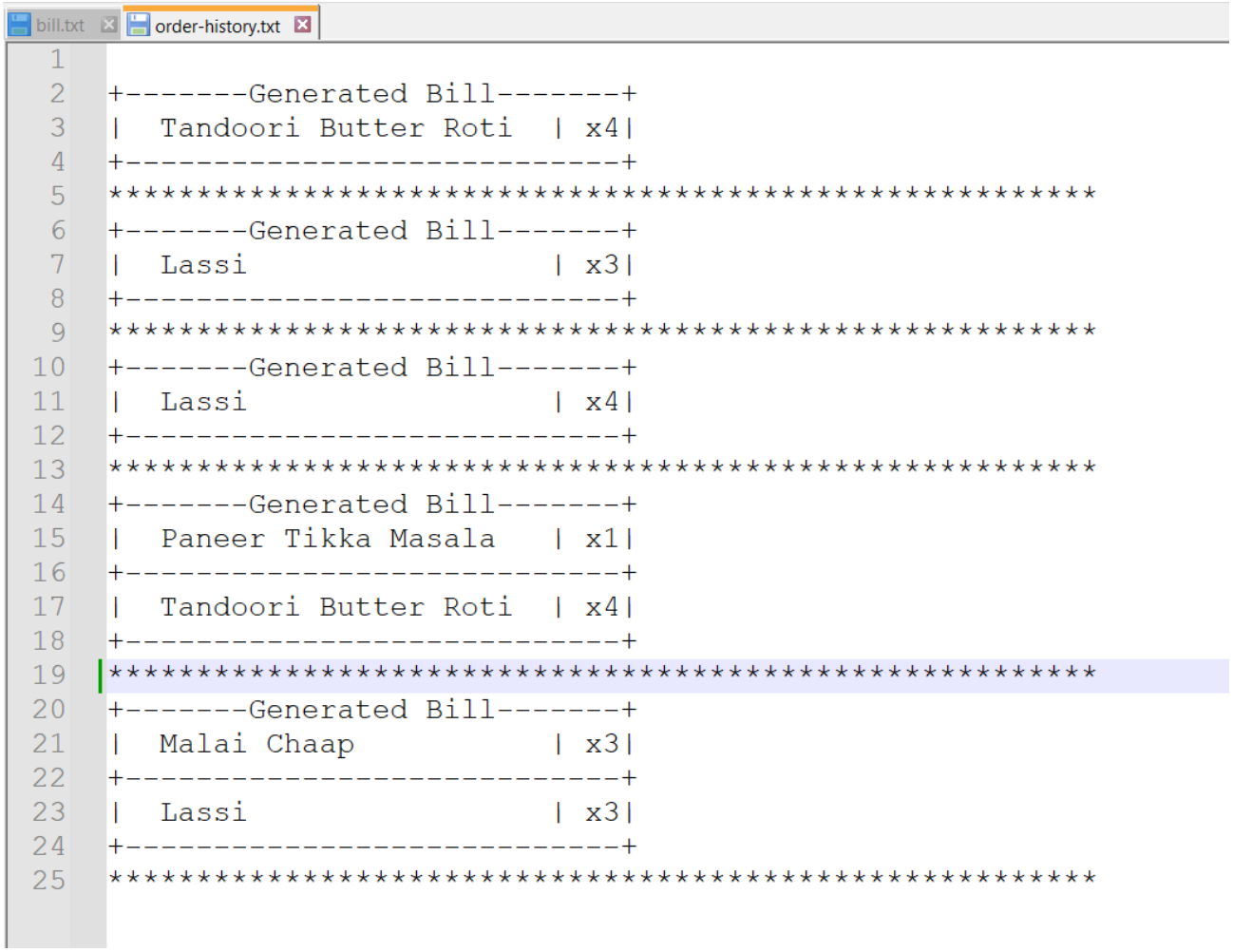
FlowChart for Restaurant Admin



Restaurant Admin : 1. View Order History



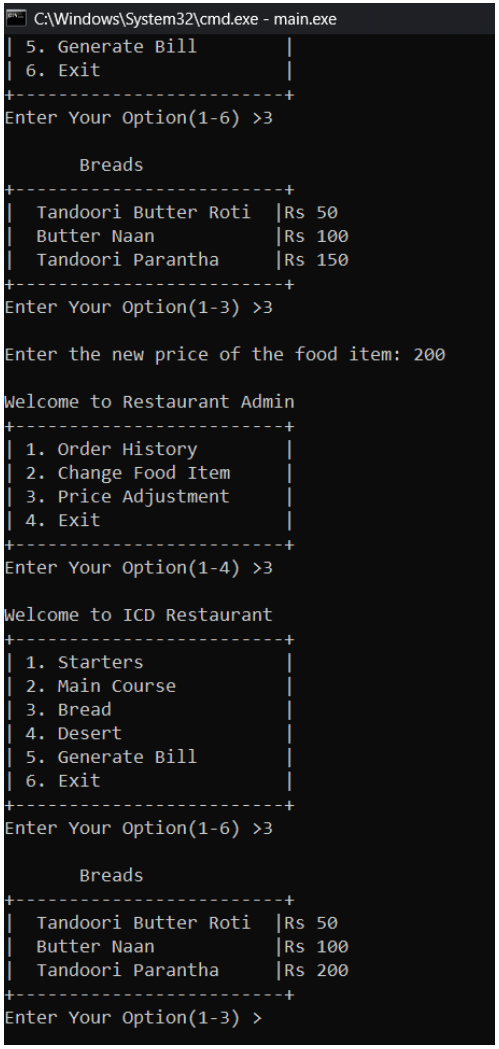
Customer Panel : Order History TxT File



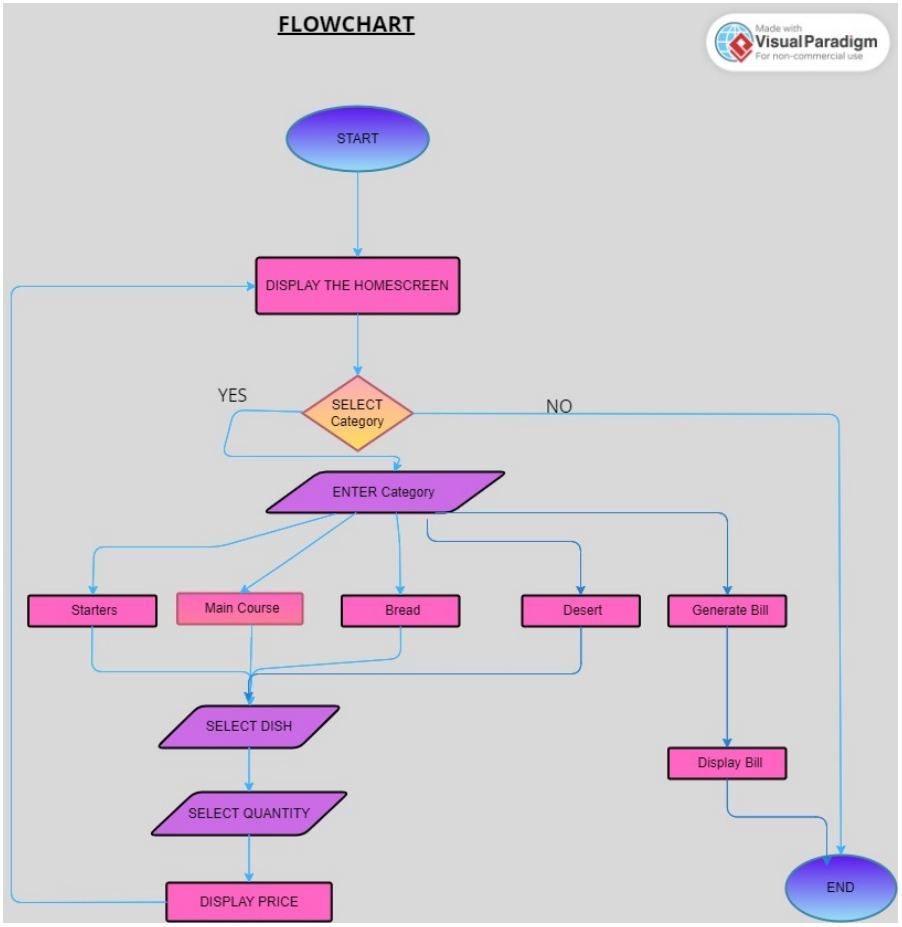
Restaurant Admin : 2. Change name of food item

```
        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
```

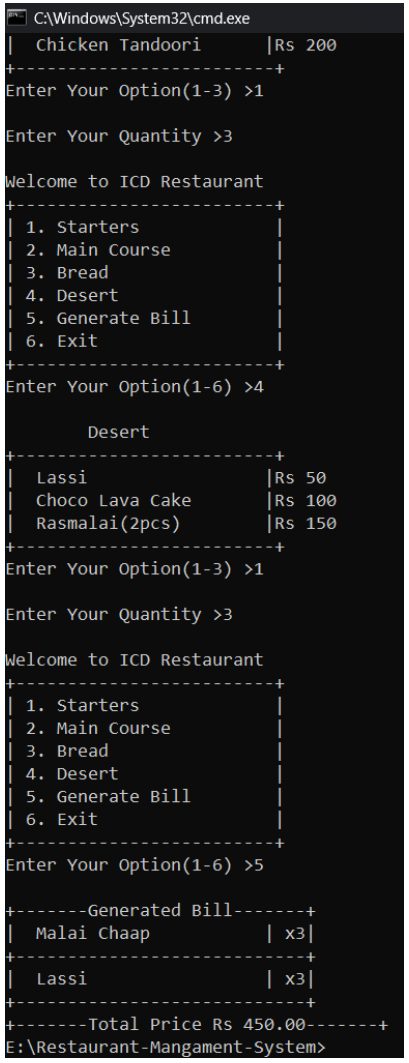
Restaurant Admin : 3. Change price of food item



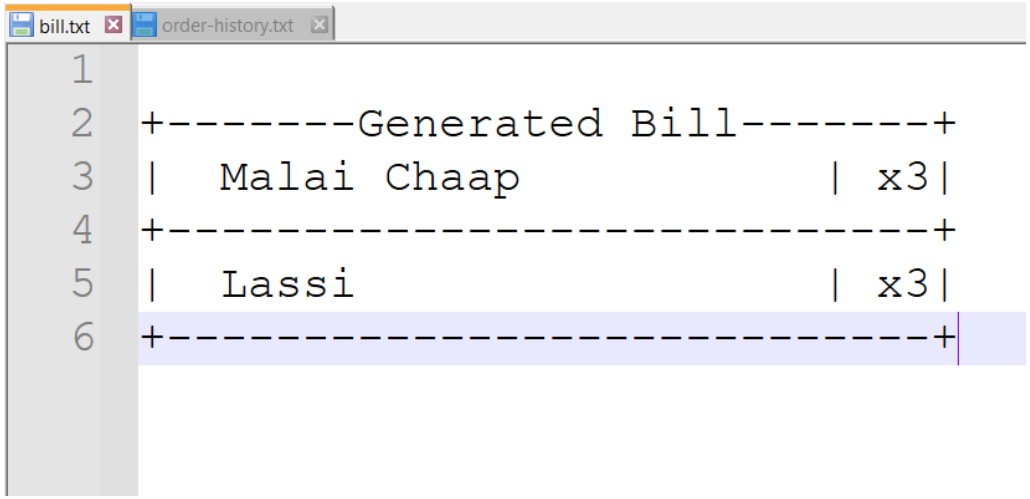
FlowChart for Customer



Customer Panel : Order from Menu



Customer Panel : Bill TxT File



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