DATA STUCTURES PROJECT

TOPIC : FOOD ORDER MANAGEMENT SYSTEM

AIM: To develop an application for Food Ordering Management System

TEAM:

1. Srinithyee. SK

Description:-

The Application consists of two interfaces, one being the customer interface and admin panel as the other.

Features provided for the customers :

- Displays the food item list along with their price, quantity and the stock available.
- The customer needs to enter the food serial number and the quantity desired thus displaying their total cart price.
- If they wish to order more, they could go back and choose again. Two way payment options are made available i.e Cash and Credit. This will take their card number and pin which will not be saved by us.

Features provided for the admin panel :

- Check the total cash made today and view the details for the card payments.
- Add a food item or delete it from the menu. To ensure that the item is added accordingly, we have an option for the instant food list. Item counter displays the number of food items available.
- Backing up the data and Instant Order Preview displays the food item along with the quantity remaining.

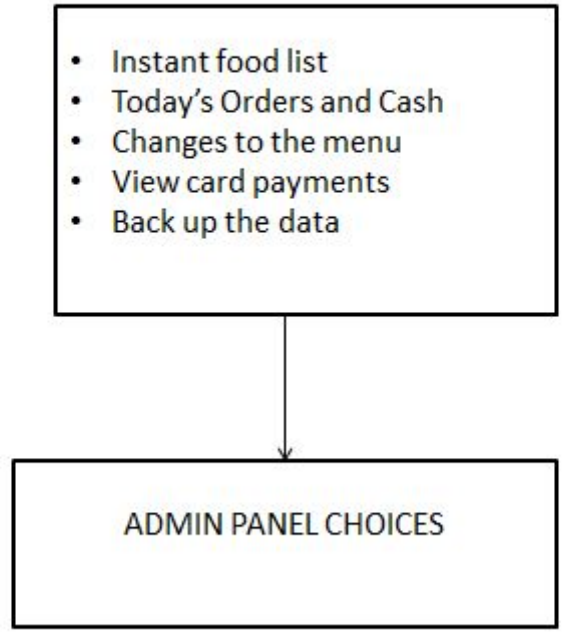
Data Structures Used:

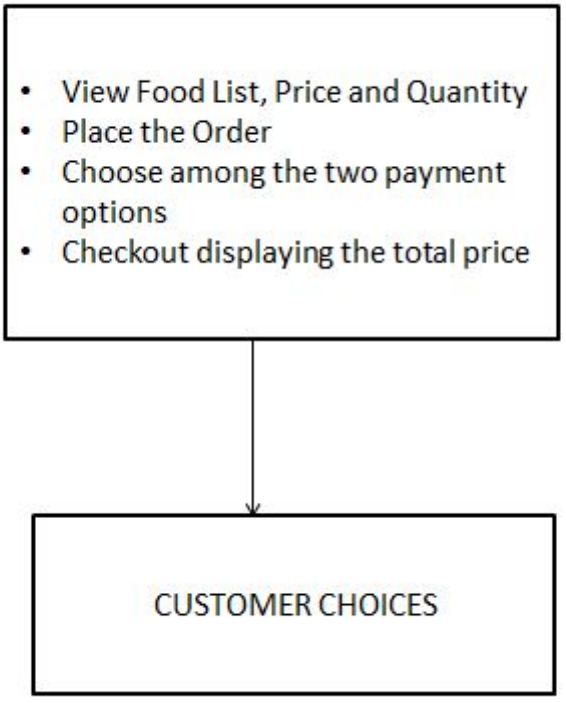
1) Singly Linked List

Display Features Used:

1) Turbo C++ Graphics and Dos Functions

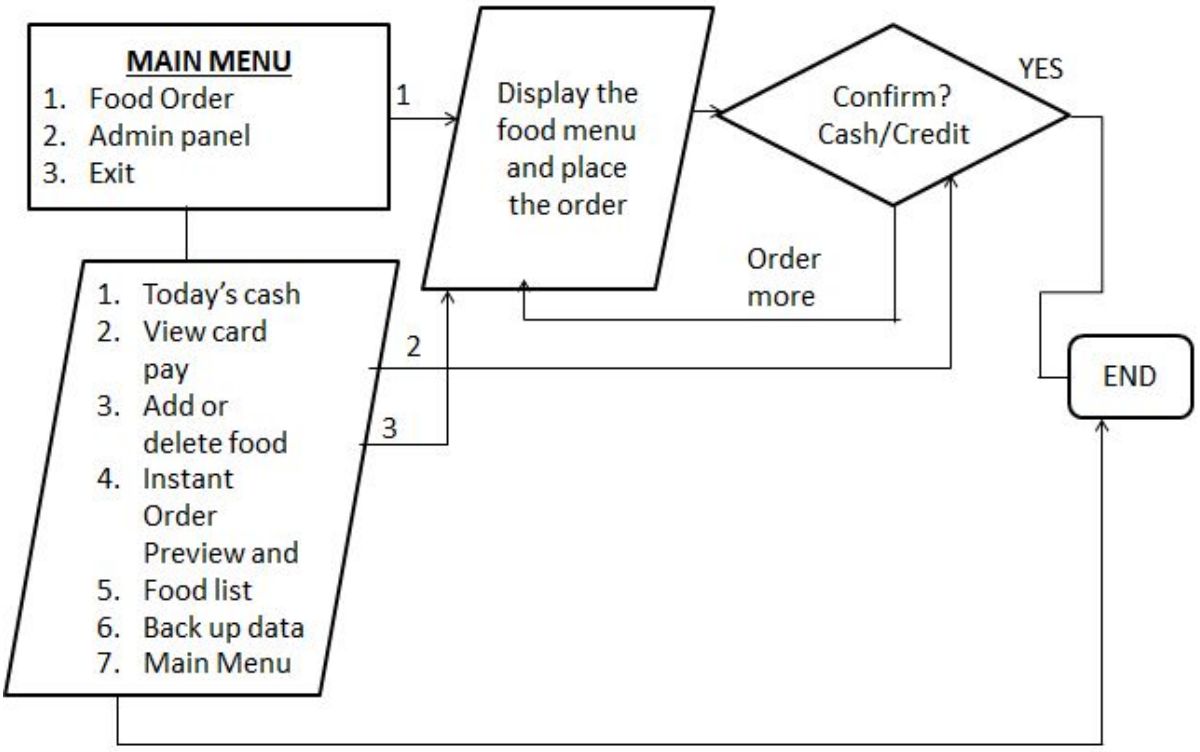
Data Layout :-


• Instant food list
• Today's Orders and Cash
• Changes to the menu
• View card payments
• Back up the data
ADMIN PANEL CHOICES


• View Food List, Price and Quantity
• Place the Order
• Choose among the two payment options
• Checkout displaying the total price
CUSTOMER CHOICES

DESIGN OF THE APPLICATION

FROM => BEGIN



LEARNING EXPERIENCE

- Using data structures, the organization of data has been done using a singly linked list. The singly linked list consists of a sequence of nodes which has a structure with the food name, price and quantity.
- The data being organized in a linked list is the structure that contains the food details.
- Have used the functions like insert front, insert end, insert at a particular node, delete a particular node, update the food item list and check out the cart items.
- Using two interfaces i.e customer and the admin panel, have learnt to develop an application that supports multi interfaces.
- Have developed an application to implement this ADT.
- Have learnt to use the C++ Graphics functions.