**Restaurant Management System**

# Abstract:

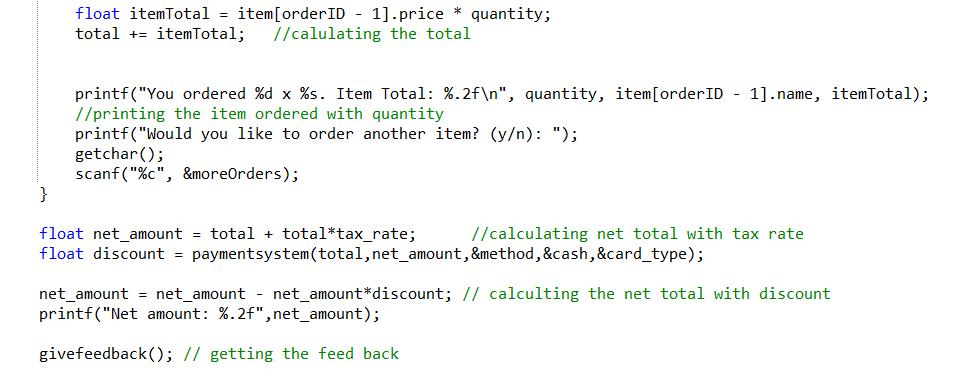
*This report presents the design and implementation of a menu management system for a restaurant, aimed at providing an intuitive user interface for both management and customer interaction. The system is structured into two main modules: Management and Customer, each offering different functionalities to enhance the restaurant's operations. The Management module allows authorized users to view, add, update, and remove menu items, as well as manage customer feedback. The Customer module provides users with the ability to place orders, review the menu, and give feedback on their experience.*

*Key features of the system include a tax-inclusive payment system, customer feedback management, and options for order customization. The system integrates payment options, including card and cash payments, with built-in discounts based on order value and card type. Additionally, the software uses a file-based storage mechanism for saving and displaying menu items, customer orders, and feedback.*

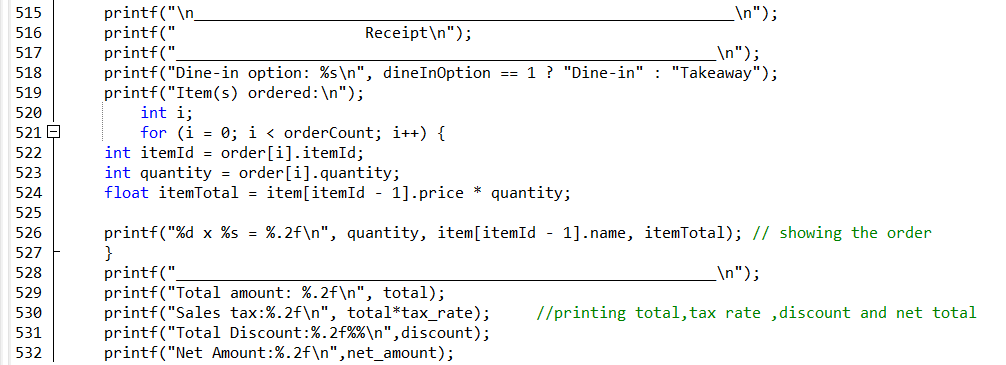
*The system employs robust input validation, error handling, and dynamic menu adjustments to accommodate changing menu items. A well-structured design and modular approach ensure scalability, with support for up to 50 menu items and efficient order processing.*

*This report details the functionalities implemented, the system design, and challenges encountered during the development, along with suggestions for future improvements. The system is intended to streamline restaurant operations, improve customer satisfaction, and provide real-time feedback for better service quality.*

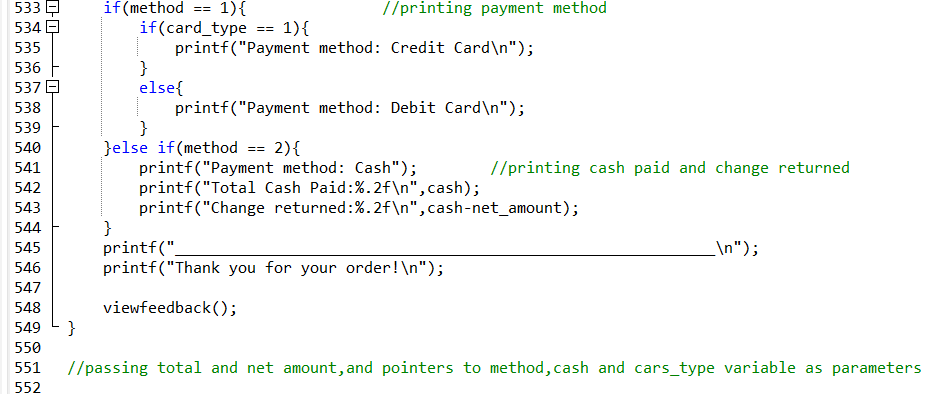
## Main Functionality of Code:

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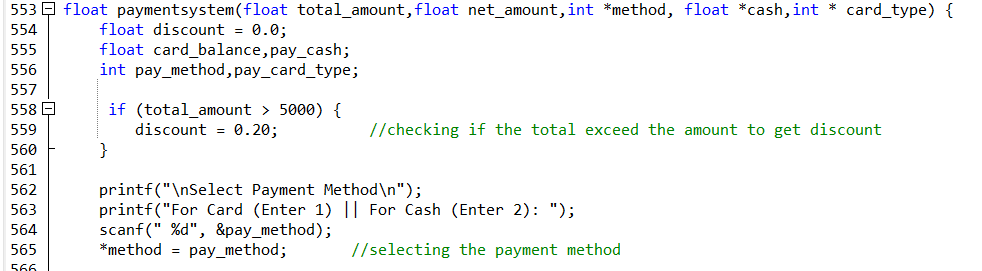
* *Have used* ***Float*** *(as the price of item can be in decimal so the* ***itemTotal*** *same for the* ***net\_amount*** *and* ***discount*** *as well).*
* *Used* ***Scanf*** *to ask from the user.*
* *Using* ***Printf*** *for printing the Net amount.*
* *Used* ***getchar*** *for buffer handling.*
* ***Givefeedback()*** *is already explained. Used it to in a function to connect within* ***takeorder*** *function  
  attach Ss of this function and explain.*



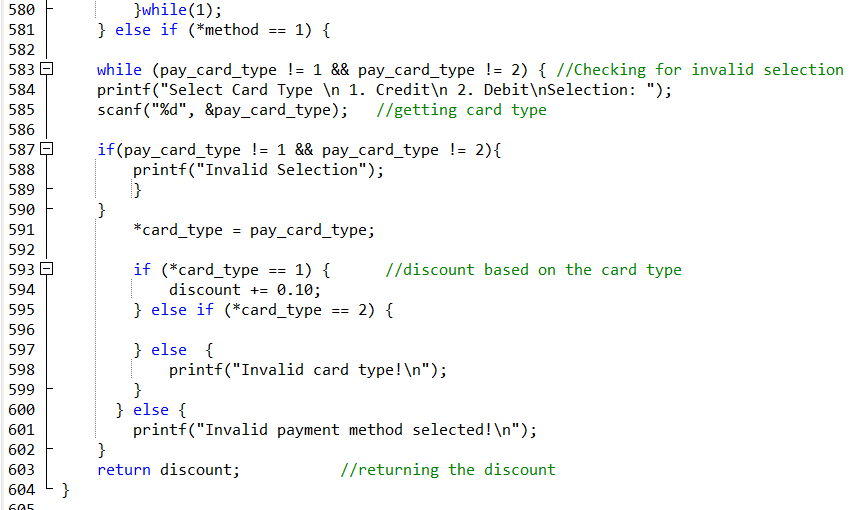
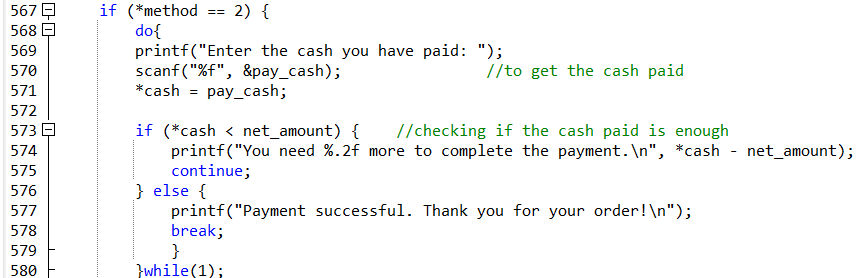
* *Printing the receipt of the order*



* *Using* ***If-else-if*** *for payment method.*
* *Used* ***nested if-else*** *in method 1 for further asking for card type. Credit or Debit.*

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* *Using* ***pointers*** *to connect the* ***\*method,\*cash,\*card\_type*** *from a different function. In my case I am connection* ***method,cash,card\_type*** *from function* ***takeorder*** *to function* ***paymentsystem*** *so the total\_amount can be connected with the other function.*

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* *Using* ***nested if-else*** *with* ***pointer*** *to connect the order with the* ***cash system****. And giving discounts which will be applied to the order’s bill.*