

## **Vincci Shopping Group**

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### **Problem Background:**

In this modern era, people facing serious financial problems. The main problem of this issue is because of the overuse of money when shopping. They spend too much money to buy things that they want instead of buying what they need. This can waste their money to unbeneficial things. The second problem is they need to have a long queue to pay for their things. Consequently, this wastes their time as it consumes too much time to queue especially when it comes to celebrations such as Eid Day, Chinese New Year, and others.

To solve this problem, this coding is used to overcome the financial problems which is spending too much money. This program prompts the user to enter their limit or maximum budget before they start to select the items and things that they want. So, they can know when they are over the budget because there is a pop-up message that will tell them that they are over their limited budget now. The coding is also used to save their time to go to the shopping mall or grocery to buy the items. This program is an online shopping method so they can save their time to queue up to pay for their items. They can pay for their items by using online banking or by entering their bank card number, CVN number, and the expired date. They can choose to send their items by using postage or Cash on Delivery (COD).

### **Functional Requirements:**

1. The user prompt to enter their Vincci Card Number and password to log in
  - If the user does not have an account yet, they need to register first at the counter registration
2. After login, the program asks the user to enter their limit of budget to buy groceries.
  - They can know either their balance in the card enough or not
3. The program shows the menu screen.
4. The program shows the category of items.
5. The user can select the item they want to buy.
6. The program shows the total amount of money used:
  - If the amount is exceeding the limit entered before, the program pop-up the notice about the money used is exceeded.
  - The process cannot proceed.
7. The program prompts the user to select either they want to pay online or do it as Cash on Delivery (COD).
8. The program prints the invoice tax:
  - The invoice tax included the invoice number for payment online.

9. Proceed to the payment if the user selects to pay online.
10. The program prints the receipts for the user to keep.