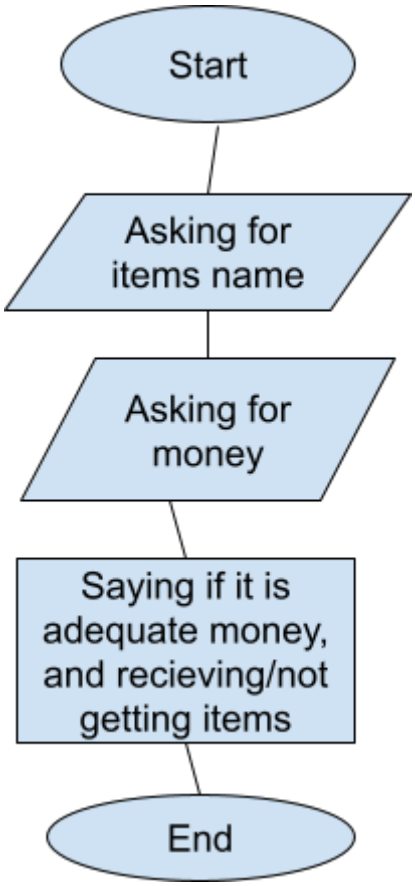
Vending Machine Flowchart and Pseudocode




START

DISPLAY "Welcome to the Vending Machine!"
DISPLAY "1. Chips - $2.00"
DISPLAY "2. Chocolate - $2.50"
DISPLAY "3. Soda - $3.00"

ASK user to choose an item (1, 2, or 3)
STORE input as choice

IF choice == 1 THEN
    cost = 2.00
    item = "Chips"
ELSE IF choice == 2 THEN
    cost = 2.50
    item = "Chocolate"
ELSE IF choice == 3 THEN
    cost = 3.00

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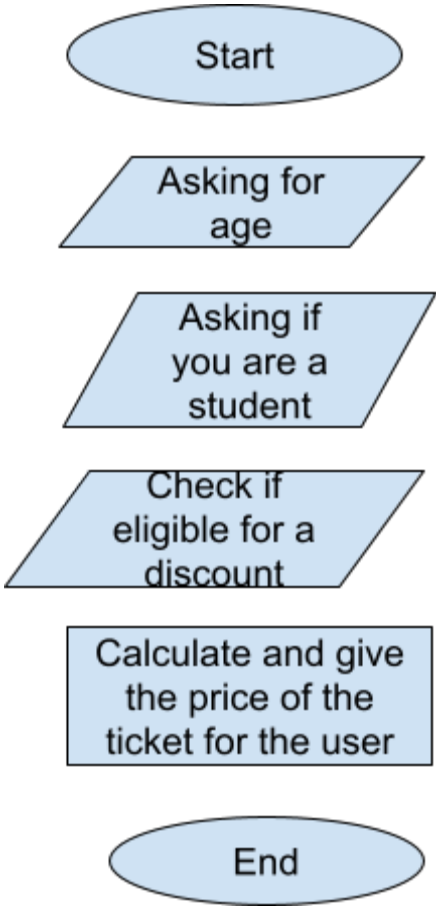
    item = "Soda"
ELSE
    DISPLAY "Invalid choice. Please restart the program."
    STOP
END IF

ASK user to "Please insert money:"
STORE input as money

IF money < cost THEN
    DISPLAY "Not enough money. Transaction cancelled."
ELSE IF money == cost THEN
    DISPLAY "Enjoy your item!"
ELSE
    change = money - cost
    DISPLAY "Enjoy your item! Your change is $" and change
END IF
```

## Movie Ticket

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DISPLAY "Ticket Price Calculator"

ASK user to "Enter your age"
STORE input as age

ASK user to "Are you a student? (Yes/No)"
STORE input as student

IF age < 12 THEN
   price = 8
ELSE IF age <= 17 THEN
   price = 10
ELSE IF age <= 64 THEN
   price = 12
ELSE
   price = 6
END IF
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IF student == "Yes" AND age > 12 THEN
    price = price - 2
END IF

DISPLAY "Your ticket price is: $" and price
```