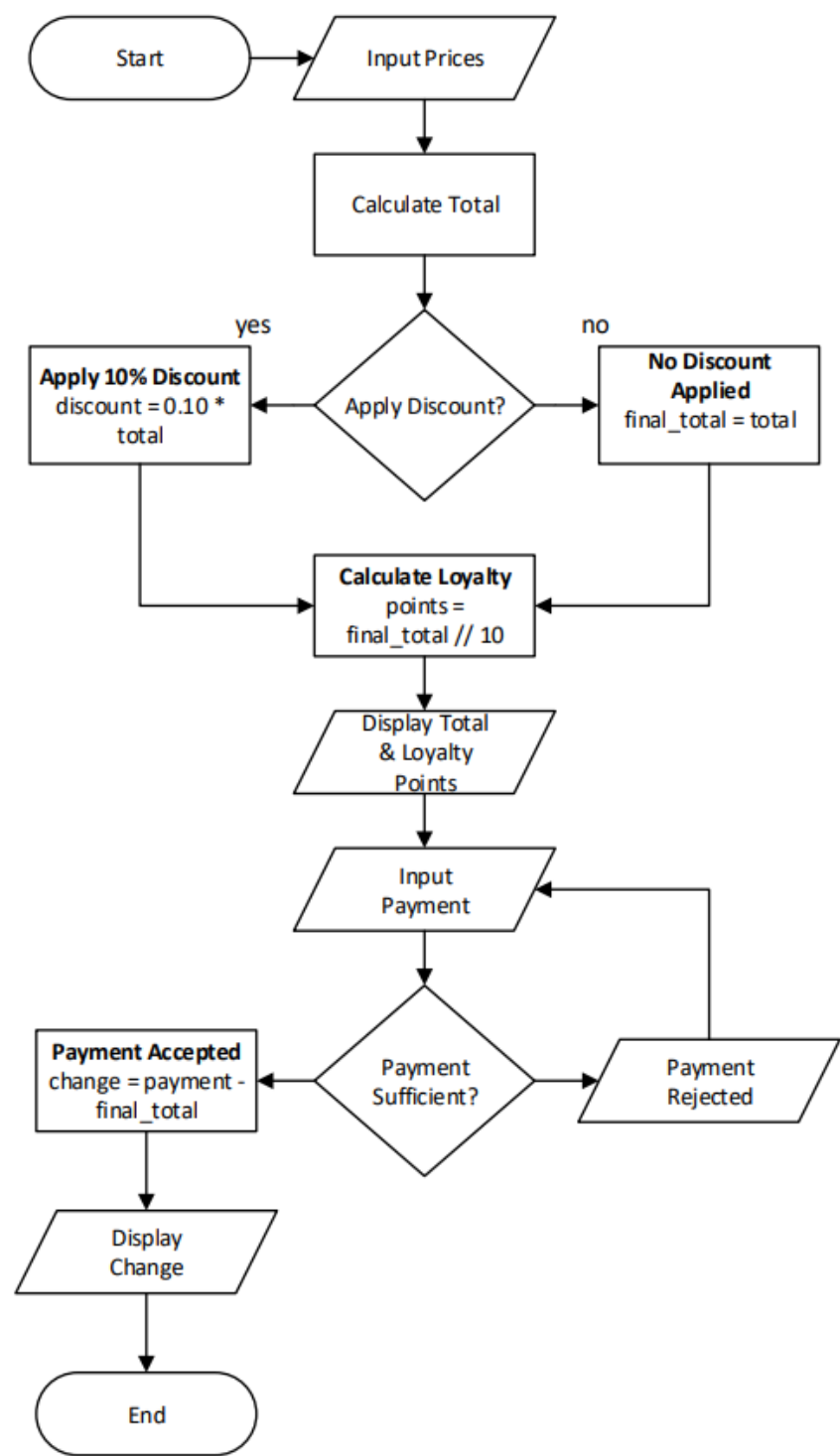


Problem Analysis

- 1. **Input** — Prices of three (3) items
- 2. **Calculations**
 - a. Total Cost: Sum of item prices
 - b. Discount: 10% off if total exceeds ₱100.00 (discount = 0.10 * total)
 - c. Final Total: Total cost minus any discount. (change = payment – total)
 - d. Loyalty Points: 1 point for every ₱10.00 spent
- 3. **Output** — Display total cost, final total after discount, and loyalty points.
- 4. **Payment Processing** — Accept payment only if it covers the final total. Display any change.

(Figure 1. Flowchart)



Pseudocode:

1. Start Checkout.
2. Input prices for three items.
3. Calculate total cost using the formula.
4. Check for discount eligibility. (If eligible, apply discount)
5. Calculate loyalty points.
6. Display total, final total, and loyalty points.
7. Input payment amount.
8. Check if payment covers the final total.
9. End Checkout

Code:

```
checkout.py X
checkout.py > ...
1  def checkout():
2      prices = [float(input(f"Enter price of item: ₱")) for i in range(3)]
3
4      total = sum(prices)
5      discount = 0.1 * total if total > 100 else 0
6      final_total = total - discount
7      points = final_total // 10
8
9      print (f"Total : ₱{final_total:.2f}, Loyalty Points: {int(points)}")
10
11     while True:
12         payment = float(input(f"Enter payment (min ₱{final_total:.2f}): ₱"))
13         if payment >= final_total:
14             print(f"Payment accepted! Change: ₱{payment - final_total:.2f}")
15             break
16         print("Not enough! Try again.")
17
18     checkout()
```

Output:

```
Python + v
PS C:\Users\ruru\Desktop\GARCIA_IT102> & C:/Users/ruru/AppData/Local/Programs/Python/Python311/python.exe c:
/Users/ruru/Desktop/GARCIA_IT102/checkout.py
Enter price of item: ₱60
Enter price of item: ₱82.2
Enter price of item: ₱26
Total : ₱151.38, Loyalty Points: 15
Enter payment (min ₱151.38): ₱140
Not enough! Try again.
Enter payment (min ₱151.38): ₱200
Payment accepted! Change: ₱48.62
PS C:\Users\ruru\Desktop\GARCIA_IT102> 
```