



Productivity Template: PAU Cafeteria Discount Sales Program

Task 1: Design the Algorithm

- ☐ Understand the program requirements
- ☐ Break down the problem into smaller tasks
- ☐ Define the sequence and flow of these tasks
- ☐ Write pseudocode for the algorithm #AlgorithmDesign

Task 2: Develop the GUI

- ☐ Design the interface layout
 - ☐ Menu display area
 - ☐ Customer input fields
 - ☐ Order summary and total charges display
- ☐ Implement the GUI in Python #PythonGUI

Task 3: Implement Order Calculation

- ☐ Create a data structure for menu items and prices
- ☐ Write a function to calculate total charges based on customer order
- ☐ Implement the discount conditions in the function #OrderCalculation

Task 4: Connect GUI and Calculation Function

- ☐ Capture customer input from GUI
- ☐ Use input to call calculation function
- ☐ Display the returned total charges in GUI #FunctionIntegration

Menu items and prices

- Rice/Pasta
 - Jollof Rice - 350
 - Coconut Fried Rice - 350
 - Jollof Spaghetti - 350
- Proteins
 - Sweet Chilli Chicken - 1100

- Grilled Chicken Wings - 400
- Fried Beef - 400
- Fried Fish - 500
- Boiled Egg - 200
- Side Dishes
 - Sauteed Sausages - 200
 - Savoury Beans - 350
 - Roasted Sweet Potatoes - 300
 - Fried Plantains - 150
 - Mixed Vegetable Salad - 150
 - Boiled Yam - 150
- Soups and Swallows
 - Eba - 100
 - Pounded Yam - 100
 - Semo - 100
 - Atama Soup - 400
 - Egusi Soup - 480
- Beverages
 - Water - 50
 - PET Drink (35cl) - 150
 - PET Drink (50cl) - 200
 - Glass/Canned Malt - 300
 - Fresh Yoghurt - 500
 - Pineapple Juice - 350
 - Mango Juice - 350
 - Zobo Drink - 350

Discount Conditions

1. If total order is less than N2,500 - 10% discount
2. If total order is greater than N2,500 and less than N5,000 - 15% discount
3. If total order is greater than N5,000 - 25% discount
4. If total order is less than N1,000 - no discount