Algorithm:

1. Start

2. Define a data structure to hold the categorized menu items and their prices.

3. Create the main application window with title "PAU Cafeteria".

MAIN Window:

4. When the "Show Order" button is clicked:

a. Open a new window titled "Order detail" then display the item name and price and the amount of it chosen.

5. When the "Add Order" button is clicked:

a. *It will add the food item the customer has chosen and the amount and can be found in the show order*

6. Provide an input field for the customer's name.

Calculating Order Details:

7. When the "Calculate total" button is clicked:

a. Calculate the total cost of the order by summing the products of the quantities ordered and the prices.

b. Determine the discount based on the total cost:

i. If the total cost is less than N1,000, no discount is applied.

ii. If the total cost is between N1,000 and N2,500, apply a 10% discount.

iii. If the total cost is between N2,500 and N5,000, apply a 15% discount.

iv. If the total cost is N5,000 or more, apply a 25% discount.

e. Calculate the final total after applying the discount.

f. Display the original total, the discount amount, and the final total with the discount applied.

8. End