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**Subject-Applied Problem Solving (APS-145)**

**Group-3 Member-6**

**Acceptable Payments & Product Inventory (Payment & Cancel states) (Pseudocode)(LOGIC-3)**

1) Start.

2) Declare the price, minQuantity, description, balanceQuantity.

Get transaction array and product array.

3) Calculate price from transaction array.

4) Print price.

Display: “Total Cost of (description) is (price)”

5) Display: “Select the Payment Method:

i. Credit Card

ii. Debit Card

iii. NFC Phone Payment

iv. Phone application payment

**Note: No Cash”**

6) Choice given to customer for selection of a payment method.

IF Customer selection is ‘i. Credit Card’ or ‘ii. Debit Card’.

Then Display: Tap/Swipe the Card

IF Customer Tap/ Swipe the Card

Then go to step 8.

Else go to step 7.

Else IF Customer selection is ‘iii. NFC Phone Payment’ or ‘iv. Phone application payment’.

Then Display: Tap the Phone

IF Customer Tap the Phone

Then go to step 8.

Else go to step 7.

7) Is cancel requested?

Yes:

1. Reset the transaction array.
2. Go to ‘**Cancel Process:**’.

No: go to the step 5.

8) IF the payment is successful

Then Go to step 9.

Else Display: “Your payment was unsuccessful. Please try again!” and go to step 5.

9) Update inventory by subtracting purchased items and store the updated inventory in ‘balanceQuantity’.

10) Remove transaction items from Product array.

11) IF the balanceQuantity<= minQuantity (inventory reaches a re-order level?)

Then Identify the slot and place an order and go to Idle/Ready state.

Else go to Idle/Ready state.

12) End

**Cancel Process:**

1) Start

2) Display: “Payment Cancelled”.

3) Goto Idle/Ready state.

4) End