This is an assignment that should be well done

Mami Amara Machine

A new automatic teller machine has been designed by Faculty of Engineering and Technology for Mami Amara and a program is needed to make the machine function properly. The machine sells fried eggs, bananas, beverages, plantain chips and cookies. You will write a program in java for the Mami Amara machine.

The requirements for the program are:

a) show the customer the different products sold by the Amara machine

b) let the customer make the selection

c) show the customer the cost of the item selected

d) Accept the money from the customer

e) Release the item

The Amara machine has three main components: a built-in cash register, several dispensers to hold and release the products, and the Amara machine itself. The register has some cash on hand, it accepts the amount from the customer, and if the amount entered is more than the cost of the item, then—if possible—it returns the change. The cash register should also be able to show the Amara machine's owner the amount of money in the register at any given time. The dispenser releases the selected item if it is not empty. It should show the number of items in the dispenser and the cost of the item.

When the program executes, it must do the following:

a) show the different products sold by the Amara machine

b) get the selection

c) if the selection is valid and the dispenser corresponding to the selection is not empty, sell the product.

Furthermore, these instructions must be displayed after processing each selection (except when exiting the program), so that the user need not remember what to do if he or she wants to buy additional items. Once the user makes the appropriate selection, the Amara machine must act accordingly. If the user opts to buy an available product, the Amara machine should show the cost of the product and ask the user to deposit the money. If the money deposited is at least the cost of the item, the Amara machine should sell the item and display an appropriate message

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