KTOSK PROJECT

Many self-checkout kiosks can accept cash, those that do will need the ability to be able to make change for their users. The NoHomoSapiens (NHS) corporation has hired you to design a program that handles processing of cash payments for an automated checkout kiosk. Below are their requirements.

- 0. The program should keep track of how many of each denomination of bill and coin the kiosk currently has. Use a user defined datatype to do this.
- The program should allow any number of items costs to be input until no cost has been supplied.
- Once all items have been input the kiosk should display a total and ask the user to insert money. The user should be able to insert any denomination of bills or coins until their total amount exceeds the cost of all the items.
- The kiosk should calculate how much change should be dispensed and dispense the change.(Research and use a greedy algorithm to dispense the change)
- 4. If the kiosk does not have enough physical money to supply the change then the transaction will be cancelled, and the user should be offered another way to make payments (you do not have to develop other methods of payment)

Before developing, please create a design plan and submit it for approval.

SAMPLE EXECUTION WITH INPUT IN BLUE

```
Item 1 3.99
Item 2 4.99
Item 3
Total
        8.98
Payment 1 5.00
Remaining 3.98
Payment 2 2.00
Remaining 1.98
Payment 3 1.00
Remaining
          .98
Payment 4 1.00
         .02
.01 dispensed
.01 dispensed
```