Class Diagram:

User

- userID
- name
- username
- password
- phone

+ login()
+ logout()
+ updateProfile()
+ changePassword()

Admin

+ manageUsers()
+ viewCustomerList()
+ viewTransactionHistory()

Salesman

+ viewInventory()
+ addToCart()
+ modifyCart()
+ createBill()
+ printBill()

InventoryManager

+ addGadget()
+ updateGadget()
+ updateStock()
+ deleteGadget()
+ searchGadget()

manages

1

contains

1   1   0...n

Inventory

- listOfGadgets

+ addGadget()
+ removeGadget()
+ searchGadget()
+ updateGadget()

Gadget

- gadgetID
- name
- category
- price
- stock

+ updateInfo()
+ updateStock()
+delete()

Customer

-customerID
-name
-phone

+updateDetails()

CartItem

-gadget
-quantity
-subtotal

+calculateSubtotal()

Bill

-billID
-date
-totalAmount
-customer
-listOfCartItems

+calculaTotal()
+saveBill
+printBill

Database

-userRecords
-billRecords
-gadgetRecords

+save()
+update()
+delete()
+fetch()