Responsibilities step1

* Administrator:

i. HR management

ii. Cash Management

iii. Resource Management

iv. Granting permissions

* Salesperson:

i. Customer Management

ii. Resource Management

iii. Transaction Management

iv. Loan Management

v. Notification Management

* Shareholder:

i. Cash Management

* Supplier:

1. Product Management

* Sign up:

i.

* Sign in:
* Sign out:
* Account Recovery:
* System/Interface:

1. Communication with actors
2. Information management

* Validity check:
* Database:
* Product
* Supplier
* Daily transaction
* Maintenance expenditures
* Notification
* Customer
* Alert:

i. Notification management

* Record
* Graph
* Cash details

Level 3

1. User:

Attributes:

-getUsername

-username

-fullName

-password

-email

-presentAddress

-contactNumber

-toString()

Method:

-signIn

-signOut

-accountRecovery

-sendNotification

-receiveNotification

-viewCashDetails

-get()

-set ()

-toString ()

Constructor:

3. Administrator:

Attributes:

-adminUserName

-adminFullName

-adminPassword

-adminEmail

-adminPresentAddress

-adminContactNo

-backUpQuestions

Methods:

-signUp()

-signIn()

-signOut()

-accoutRecovery()

-addUser()

-removeUser()

-editUser()

-addProduct()

-removeProduct()

-editProduct()

-maintainExpenditures()

-manageCash()

-viewCashDetails()

-viewTransactionDetails()

-viewCustomerInformation

-grantPermission()

-receiveNotification()

-paySalary()

-viewGraph()

-get()

-set()

-toString()

-

-

3. Salesperson:

Attributes:

-spFullName

-spUserName

-spPassword

-spContactNumber

-spEmail

-spPresentAddress

-spPermanentAddress

-spNID

-spRecruitmentDate

-spDateofBirth

Methods:

-logIn()

-logOut()

-accountRecovery()

-manageCustomer()

-manageLoan()

-createTransactionInformation()

-viewTransactionInformation()

-notifyAdmin()

-manageProduct()

-notifySupplier()

-manageCash()

-searchProduct()

-sellProduct()

-addProduct()

-removeProduct()

-editProduct()

-viewGraph()

4. Shareholder:

Attributes:

-shFullName

-shUserName

-shPassword

-shPresentAddress

-shPermanentAddress

-shEmail

-shContactNumber

-shJoiningDate

-shNID

-investment

Methods:

-signIn()

-signOut()

-accountRecovery()

-manageCash()

-viewCashDetails()

-notifyAdmin()

-viewGraph()

5. Product:

Attributes:

-productName

-productId

-productType

-component

-company

-costPrice

-sellingPrice

-manufacturingDate

-expiryDate

-discount

-saleFrequecy

-quantity

Methods:

-increaseQuantity()

-decreaseQuantity()

-increasePrice()

-decreasePrice()

6. Company:

Attributes:

-cname

-cemail

-econtactNumber

-address

Methods:

7. Supplier:

Attributes:

-sname

-sAddress

-sContactNumber

-sJoiningDate

-scName

-sEmail

Methods:

-receiveNotification()

8. Customer:

Attributes:

-csName

-csNationalID

-csContactNumber

-csAddress

-csDueAmount

-csID

Methods:

-decreaseDueAmount

-increaseDueAmount

9. Product Transaction:

Attribute:

-tID

-productName

-productId

-quantity

-transactionDate

-spUserName

Methods: