Pseudocodes

1. Login

Start

String Employee [20][20]

username, password,

attempt=0

Do While(attempt<3)

Prompt username, password

Get username, password

If (username, password==Employees [] []) then

Display “Login Successful”

Attempt=3

Else

Display “Wrong username, or password”

Attempt=attempt+1

System redirect to Main Menu window

EndIf

EndDo

Stop.

1. Sales Transaction

Start

vat=0.15

search product

If product is available then

Prompt quantity

Get quantity

subtotal=quantity\*price

balance= (subtotal\*vat) + subtotal

Display “product, quantity, balance”

Get cash

If cash>balance then

change=cash-balance

RemainingStock= remainingStock-quantity

Get ReorderLevel

If (remainingStock<ReorderLevel) then

Display “Product out of Stock, please Reorder”

EndIf

Else

Display “Error, cash entered is not enough”

EndIf

Else

Display “Product not found”

EndIf

Stop.

1. Products

Begin

Choose add, update, delete

If choice=add then

Enter ProductCode, Category, Name,

Enter quantityPerUnit, CostPrice, SellingPrice, Supplier

Enter targetLevel

endif

If choice=Update

Navigate to product

Edit field

Output “The field has been modified”

Endif

If choice=Delete then

Navigate to product

Delete product

{This will also affect the inventory details}

End.

1. Investment

Start

totalExpenses, totalIncome

Get totalExpenses, totalIncome

returnOnInvestment()

Stop.

1. Distributor’s details

Begin

Choose add, update, delete

If choice=add then

Enter ShippingCompanyID, Name,

Enter Representative, Address, City, ZipCode

Enter phoneNumber, Fax

endif

If choice=Update

Navigate to ShippingCompany

Edit field

Output “The field has been modified”

Endif

If choice=Delete then

Navigate to ShippingCompany

Delete ShippingCompany

End.

1. User management

Start

1= “New”

2= “Edit”

3= “Delete”

4= “New Employee”

5= “Update Employee”

6= “Delete Employee”

Get position, password

Login as manager

If position<> ”Manager” then

Output ”You need to be a manager to access this option”

Else

Output” Welcome to the edit account form.”

Endif

Get choice

Case (choice){

1: new()

2: edit()

3: delete()

4: newEmployee()

5: updateEmployee()

6: deleteEmployee()

Default: Display “Input correct choice”

EndCase

Stop.

1. Payroll

salary=0

hoursWorked=0

Start

1= “Manager”

2= “General Employee”

Get choice

Case (choice){

1: managerSalary()

2: genericSalary()

Default: Display “Invalid choice”

EndCase

Stop.

1. Inventory Transactions

Start

Navigate to product

Enter reOrderLevel

If choice=updateReOrderLevel then

Enter newReorderLevel

Enter newTargetLevel

Enter newRemainingStock {This is when new products have been ordered}

If remainingStock<reOrderLevel then

Output “Product has to be reordered”

Generate ReOrder-Report

EndIf

EndIf

Stop.

Functions

returnOnInvestment(totalExpenses,totalIncome){

roi=((totalIncome-totalExpenses)/totalExpeses)\*100

Display “The Return On Investment is,roi,%”

}

managerSalary(s,t){

salary=(hoursWorked\*60)

display salary

}

generalSalary(u,v){

salary= (hoursWorked\*40)

display salary

}

new(a,b){

Click Create new record button

Create record

Prompt username, password

Get username,password

save record

Display “Record has been saved”

}

Edit(x,y){

Click edit record button

Navigate to record

edit username, password

save records

Output” The account change has been computed”

}

Delete(p,q){

Click delete record button

Navigate to record

Delete account

save records

Output” The account change has been deleted”

}

newEmployee(j,k,l,m,n){

Prompt firstName, surname, position, contactNumber

Get firstName, surname, position, contactNumber

Display “Enter either Male or Female for gender!”

Prompt gender

Get gender

}

updateEmployee(){

Navigate to employee

Edit field

Output “Employee has been modified”

}

deleteEmployee(){

Navigate to Employee

Delete record

}