Topic   : Online Shopping Mall

Group no   : MLB_02.02_10

Campus   : Malabe

Submission Date : 14/10/2021

We declare that this is our own work and this Assignment does not incorporate without acknowledgment any material previously submitted by anyone else in SLIIT or any other university/Institute. And we declare that each one of us equally contributed to the completion of this Assignment.

Registration No	Name	Contact Number
IT21008696	Leo M.P.C	0769839398
IT21105302	Fernando U.S.L	0779389014
IT21101274	Dolawatta T.Y.R	0770438773
IT21126956	Wijethunge W.D.S.H	0787706921
IT21111488	Dilara V.G.N	0710192886

CRC Cards

Class name: User	
Responsibilities:	**Collaborations:**
Store User Details	
Display User Details	
Update User Details	

Class name: Customer	
Responsibilities:	**Collaborations:**
Store Customer ID	
Store Login Credentials	
Validate Customer Credentials	

Class name: Seller	
Responsibilities:	**Collaborations:**
Store Seller ID	
Store Login Credentials	
Validate Seller Credentials	

Class name: Payment	
Responsibilities:	**Collaborations:**
Store Card Details	Order
Store Payment Type	Order
Display Payment Details	

Class name: Item	
Responsibilities:	**Collaborations:**
Store Item Details	
Display Item Details	
Update Item Details	

Class name: Order	
Responsibilities:	**Collaborations:**
Place Order	Items, Promotion Codes
Calculate Subtotal	
Get subtotal	
Display Order Details	

Class name: Cart	
Responsibilities:	**Collaborations:**
Store Wish-list Details	Item
Display Wish-list Details	Item
Update Wish-list Details	Item

Class name: Review	
Responsibilities:	**Collaborations:**
Add Reviews about Items	Customer, Item
View Reviews	Seller, Item

Class name: PromotionCode	
Responsibilities:	**Collaborations:**
Create Promotion Codes	Item

Class name: Feedback	
Responsibilities:	**Collaborations:**
Add Feedback	User
View Feedback	Technical Support

Class name: Employee	
Responsibilities:	**Collaborations:**
Store Employee Details	
Display Employee Details	
Update Employee Details	

Class name: TechSupport	
Responsibilities:	**Collaborations:**
Store Tech ID	
Manage FAQs	Feedback

Class name: Report	
Responsibilities:	**Collaborations:**
Generate Report	
Display Report	

Employee

#name: char
#NIC: char
#email:char
#phoneNo: int
#address:char
#DOB:char
#empType:char

+Employee(pName:char,pNIC:char,pEmpType:char)
+setDetails(uEmail:char,uPhoneNo:int,uAddress:char,uDOB:char):void
+DisplayEmpDetails():void
+updateDetails():void
+~Employee()

User

#name: char
#NIC: char
#email:char
#phoneNo: int
#address:char
#DOB:char

+User(uName:char,uNIC:char)
+setDetails(uEmail:char,uPhoneNo:int,uAddress:char,uDOB:char):void
+getDetails():void
+updateDetails():void
+~User()

Feedback

-feedBackNo:int
-fDescription:string

+Feedback(pFBN:int)
+writeFeedback(desc:char):void
+getFID():int
+displayFeedback():void
+~Feedback()

1..*

1..*

Customer

-CID:int
-userName:char
-passWord:char
-noOfOrders:int

+Customer(pCID:int,uName:char,uNIC:char)
+setCredenntials(pUserName:char,pPassword:char):void
+getCID():int
+checkCredentials(): int
+displayCardDetails():void
+~Customer()

1

Seller

-SID:int
-userName:char
-passWord:char

+Seller(pSID:int,uName:char,uNIC:char)
+setCredenntials(pUserName:char,pPassword:char):void
+getID():int
+checkCredentials(): int
+displayCardDetails():void
+~Seller()

1..*

TechSupport

-TechID:int

+TechSupport(pName:char,pNIC:char,pEmpType:char:pTechID:int)
+getTechID():int
+viewFAQs():void
+manageFAQs():void
+~TechSupport()

Cart

-cartID:int
-quantity:int
-productID:int

+Cart(pCartID:int)
+setDetails(pQuantity: int,pProductID:int) :void
+getCartID():int
+getQuantity():int
+getProductID():int
+displayCart():void
+updateCart(pCart:int,pQty:int,pProd:int):float
+~Cart()

1

0..*

Order

-orderNo:int
-total:float

+Order(pOrderNo:int)
+getOrderNo():int
+getTotal():float
+calcTotal():float
+displayBill():void
+~Item()

1..*

1

PromotionCode

-codeID:int
-expireDate:char
-sellerID:int

+PromotionCode()
+createCode(pCodeID:int):void
+getPromoCode():int
+~PromotionCode()

Reviews

-reviewID:int
-description:char

+Reviews(pReviewID:int)
+addReview():void
+getReview():int
+displayReview():void
+~Reviews()

1..*

1..*

Payment

-cardType:char
-holderName:char
-cardNumber:long int
-CVV: int

+Payment(pCardType:char)
+setCardDetails(pHolderName:char,pCardNumber:long int, pCVV:int):void
+displayCardDetails():void
+getCardNum():long int
+getCVV():int
+~Payment()

Report

-reportID:int

+Report(uRID:int)
+generateReport():void
+getRID():int
+displayReport():void
+~Report()

Item

-itemCode:char
-itemName:char
-itemPrice:float
-Quantity: int
-sellerID:int

+Item(pItemCode:char,pItemName:char,pItemPrice:float)
+setQunatity(pQunatity):void
+getQuantity():int
+getPrice():float
+displayItemDetails():void
+~Item()

0..*