

LoginScreen

-empID : int

+isOwner()
+setPreviliges()

Purchase

-purchaseID : string
-purchasedDate : date
-foodItemID : string
-quantity : int
-vipCardNumber : int
-totPurchasePrice : double
-isPreorderPurchase : boolean
-isRefill : boolean

Note
Did not add the set and get methods for all the classes but listed only important methods for the requirements of the assignment 4 to the scope shown in P3L2.

VIPCustomers

-vipCardNumber: int
-vipCustName : string
-vipCustPhone : string
-vipCustBirthDate : date
-vipGoldStatus : boolean
-permGoldStatus : boolean
-vipCard Points : int

+totVIPPointsLastThirtyDays()
+vipPurchasesLast30Days()
+totVIPPoints()
+vipPurchases()
+isGoldLevel()
+RefillDiscount()
+goldStatusUpgradeToPermStatus()

Preorder

-preOrderDate: date

FoodItem

-foodItemID : string
-foodItemPrice : double
-foodItemName : string

Coffee

-coffeeSize: Size

Desert

-desertType : Type
-isBestSeller : boolean
-preorderSlots : int

PurchaseReport

-purchaseID[] : string

+reportPurchasedItemsNPrice(date)
+reportPreorderedItemsNPrice(date)
+reportVIPPurchasesNPrice(date)

Note
Report class to calculate purchase and preorder information for any given date

Employee

-empID :int
-empName : string
-empDOB : string
-empAddress string
-empPhone : string
-Salary : double
-empJoinDate : date
=empTerminationDay : date
-empActiveStatus: boolean
-empOwnerStatus : boolean

<<Enumeration>>

Type

Vanilla
Strawberry
Chocolate
ButterScotch

<<Enumeration>>

Size

Small
Medium
Large
Extra Large