Ice Cream Cart Reward Management System: Class Diagram

VIPCustomer

name : String
birthDate
vip_id : Integer
vipCardHolder : Boolean

dateOfMembership
address : String

dailyNumberOfPreOrderedItemAndType()
dailyNumberOfInStorePurchaseAndType()
dailyVIPScore()
totalPurchaseToDate()
totalVipPointsToDate()
vip_STATUS()
totalPurchaseOfTheMonth()
monthlyVipPointsGain()
numberOfItemsForRedeeme()
vipPointsGainForTheMonth()

CartManager

vip_id : Integer

Item

preOrderableItem : Boolean
preOrderDate
PickUpDate

preOrderSlotAvailability()

Orders

IceCream

totalDailyNumberOfPreOrderSlots : Integer
priceIceCream

numberOfPreOrders()
numberOfPreOrderSlots()

Yogurt

priceYogurt

Calendar-Utility	OperatingSystem-Utility	Money-Utility