Software Application for the Ice Cream Shop, "Sucursal Glacial 3"

Potential Objects and Classes

1. System
2. Entry
3. Exit
4. merchandise
5. Ice cream
6. Inventory
7. Record o sales transactions
8. Client
9. Sale notes
10. Report

11. Capital
12. Stock
13. Invoice
14. Inventories
15. Records
16. Products
17. Monthly Income
18. Profits
19. Software
20. Supplies

Object	✅ Object or ❌ class
Ice Cream Shop	❌
Entry	✅
Exit	✅
Merchandise	✅
Inventory	❌
Record	❌
Sales Transactions	✅
Client	❌
Sales Notes	❌
Report	✅
Capital	✅
Stock	✅
Invoice	❌
Product	❌
Monthly Income	✅
Profits	❌
Supplies	✅
Type of client	❌
Report of Business	❌

Error404
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ReportOfBusiness
-sales : SalesNotes
-entry : Invoice
+addrecord() : Record
+getprofit() : Profit
+gettotalsales(sales : SalesNotes)
+gettotalinvoice(entry : Invoice)

<<create>>

Profit
-value : Float

<<create>>

Record
-id : int
-date : Date
-value : Float

<<use>>

Invoice
-id : int
-date : Date
-value : Float
-boxes : Product

IceCreamShop
-name : String
-stocktacking : Inventory[]
+report(stocktaking : Inventory)
+add(stocktaking : Inventory)
+remove(stocktaking : Inventory)

<<use>>

Inventory
-products : Product
-id : int
+add(products : Invoice)
+remove(products : Product)
+sell(products : SalesNotes)
+report(products : Product)

<<use>>

SalesNotes
-client : Client
-date : Date
-numberOfProducts : Product
-totalValue : Float
+totalValue(NumberOfProducts : Product)

<<use>>

Client
-id : int
-name : String
-email : String
-cellphoneNumber : String
-clientype : TypeOfclient
+edit()

<<use>>

TypeOfClient
-ifsouth : boolean
-ifmajority : boolean

Product
-name : String
-id : int
-cost : Float
-dueDate : Date
-purchaseDate : Date
+productExpiration(dueDate : Date, purchaseDate : Date)