13/03/2017 Preview

Order

+ addPurchase (in p :

- orderID : int - totalAmount : float - nextOrderId : static int

Product*)

COMP2404 Authors: (S/N: 101007447) Assignment #1
UML Diagram Jess Cannarozzo Karla Martins Spuldaro (S/N: 101021516) **Product** 0..* Customer Purchase # id : int # name : String # size : String # units : int # nextCustId : static int purchQnt : int 1 # id : int 1 # name: string # price : float # points: int + incrementProdQnt () # nextProdId : static int + buyltem (in p : Product&) + incrementUnits () + addPoints (in p: int) + decrementUnits () + incrementUnitsByX (in x : int) 0..* 1 0..*1 Store + addProd (in prod : Product&) + addCust (in cust : Customer&) + verifyCustomer (in id : int) : Customer* + verifyProdId (in prodId : int) : Product* + verifyProdInStock (in p : Product*) : int + productPurchase (in prod : Product*, out cust : Customer*, out totalAmount: float*, out totalPoints: + computeLoyaltyPoints (in price: float, out cust: Customer*): int + addInventory (in orderID : int, in unitsArrived: int) : int + removeProd (inout prod: Product*): int InvControl UI + mainMenu (in choice : int&) + adminMenu (in choice : int&) initProducts () + cashierMenu (in choice : int&) - initCustomers () + printError (in err : String) + printError (international)
+ printStock (in arr : ProdArray&)
+ printCustomers (in arr : CustArray&)
+ printPurchaseSummary (in totalAmount : float, in points : int) - processAdmin () processCashier () + launch (in argc : int, in argv : char*[]) + pause () + promptForInt (in prompt : string , out num : int&) + promptForString (in prompt : string , out str : string&)
+ promptForFloat (in prompt : string , out num : float&) OrderServer readInt() + update (in order: order*) + retrieve (in/out arr : OrderArray&)