

ProductItem
+ itemName: String + itemQuantity: int + itemCost: double + ProductItem(name: string, cost: double):

System
+ year: int + month: int + day: int + hour: int + minute: int + second: int + System():

VendingMachine
+ p_In: int + p_Quantity: int + totalProfits: double + m_Password: string + m_NewPassword: string + date: string + totalCost: double

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+ VM_Inventory[9]: int
+ VM_Purchased[9]: int
+ menuDisplay(*product: ProductItem): void
+ buyItem(*product: ProductItem, *VM_Report: int): int
+ update(*product: ProductItem): int
+ pay(): int
+ maintenancePasswordCheck(password: string): int
+ refillItem(*product: ProductItem): int
+ changePassword(password: string): string
+ salesReport(*product: ProductItem, Sys: System, *VM_Report: int): int
+ VendingMachine(*product: ProductItem):
+~ VendingMachine():
```