<<interface>>
Device

+getCategory():String
+getName():String
+setName(String):void
+getPrice():double
+setPrice(double):void
+getQuantity():int
+setQuantity(int):void

<<Abstract>>
GeneralDevice

-name: String
-price: double
-quantity: int

Inventory

-theData: LinkedList<AbstractList<Device>>
-categories: String[]

+addDevice(categoryName,deviceName :
String; price:double ; quantity:int):boolean
+removeDevice(String deviceName):Device
+updateDevice(String deviceName, double
price, int quantity):boolean
+listDevices():void
+findCheapest():Device
+sortByPrice():void
+totalInventoryValue():double
+restockDevice(String deviceName, int quantity,
boolean add):boolean
+exportInventoryReport():void
+printMenu():void
-findDeviceByName(String name):Device
-checkCategory(String elem):int

InventoryTest

-addDevice(Inventory inventory,
Scanner scanner):void
-removeDevice(Inventory
inventory, Scanner scanner):void
-updateDevice(Inventory
inventory, Scanner scanner):void
-restockDevice(Inventory
inventory, Scanner scanner):void

Headphone	Keyboard	Laptop	SmartPhone	TV