**Person**

#name: string

#emailAdd: string

#password: string

#address: string

#phone: string

+Person(string= “”,string = “”)

+registr(): void

+getName(): string

+displayOut(const Person \*): void

+display(): virtual void

**Buyer**

-ic: string

-ord: Order\*

+Buyer(string= “”,string= “”,string= “”)

+placeAddOrder(Order\*): void

+placeCancelOrder(Order\*): void

+shownMenu (): void

+display():void

**Seller**

-compId: string

-inv: Inventory

+Seller (string=””,string=””,string= “”)

+displayout (int, int): void

**Inventoy**

-stock\_book: string  
-stock\_quantity: int  
-stock\_code: int  
-addOrder: Order \*

-cancelOrder: Order \*

+Inventory()

+Inventory (string, int, int )

+setAddOrder (Order \*): void

+setCancelOrder (Order \*): void  
+printInventory (int [] ,string [], int [], int [] ,string [], int [], int [] ,string [], int [], int, int): void

placeCancleOrder(Order)

placeAddOrder(Order)

**Order**

-orderIC: string

-order\_book: string  
-order\_code: int

- order\_quantity: int

+Order ()  
+Order (string, int, int)

+setOrderIC (string): void  
+menu ():void  
+getCode (): int

+printOrder (string): void

+viewOrder (): void

+viewCancel (): void

+printOrder(string):void  
+viewOrder():void