UML Diagrams

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| Pharmacy |
| - userList: vector<Item>  - Stock: vector<Item>  - revenue: vector<Item>  - Cart: Cart |
| - phStock():void  - phOption():void  - phAddToCart():void  - phRemoveFromCart():void  - phCheckout():void  - display(Stock: vector<Item>):void  - displayUser(userList: vector<Item>):void  - getRevenue():int  + runPharmacy():void |

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| User |
| - username:string  - password:string |
| + User(us:string, pw:string)  + setUserName(us:string):void  + setPassword(pw:string):void  + getUserName():string  + getPassword():string |

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| Item |
| - itemPrice:int  - itemQuantity:int  - itemName:string |
| + Item(n:string, p:int, q:int)  + setItemPrice(p:int):void  + setItemQuantity(q:int):void  + setItemName(n:string):void  + getItemPrice():int  + getItemQuantity():int  + getItemName():string  + reduceItemQuantity(q:int):void  + addItemQuantity(q:int):void |

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| Cart |
| - vector<Item> myCart |
| + addToCart(pos:int, Stock: vector<Item>):void  + removeFromCart(pos:int, Stock: vector<Item>):void  + showCart():void  + getCart():vector<Item>  + printBill():void  + clearCart():void |