```
BaseInventory
# maxCap
# items
+ getTotalItemCount()
+ getMaxCapacity()
+ incrementItem()
+ subtractItem()
    Inventory<T>
+ Inventory()
+ addItem()
+ addItemNoDupe()
+ removeItem()
+ removeItemNoDupe()
+ getFirstItemIndex()
+ showInventory()
+ operator[]()
+ getItemCount()
+ isFull()
+ ~Inventory()
```