## Introduction To Object-Oriented Programming

Part III: You will learn the standard graphical notation for representing classes (UML), why should attributes be set to private in a class definition, what documentation to write for each class, good style conventions for writing functions or methods.

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## **Class Inventory**

```
public class Inventory
{
    public final int CRITICAL = 10;
    public final int MIN = 0;
    public final int MAX = 100;
    private int stockLevel = 0;
    public boolean inventoryTooLow()
    {
        if (stockLevel < CRITICAL)
            return(true);
        else
            return(false);
    }
}</pre>
```



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## Example Method For Decomposing A Long Function/Method

- Look for 'blocks' of code that can be moved to a separate function (e.g. body of a branch, loop etc.)
- Move that block of code to it's own separate function.
- Be careful of scope! (You may need to pass local variables into the new function and return updates).







