MODULE 1: INTRODUCTION TO PROGRAMMING

Inheritance - Part 2

Yesterday

- What is polymorphism?
- What is one way to have polymorphism?
- What's the other?
- What is an interface?

LET'S CODE!

Sealed

- Sealed classes are used to restrict the inheritance feature of object oriented programming. Once a class is defined as sealed class, this class cannot be inherited.
- Sealed methods prevent overriding a method of a class.

Abstract

- Abstract classes can not have objects created from them, but they can provide logic and structure to their subclasses.
- Abstract methods are methods with no logic that must be implemented by concrete subclasses
- If a class has an abstract method, it must be an abstract class
- If a class does not override an abstract method from its parent, it must also be an abstract class

Abstract vs Interface

- Abstract classes can still have implemented methods. Interfaces can have no implemented methods.
- A class can only inherit from one other class, but can implement as many interfaces as you want it to.
- Inheriting from a super class is kind of like making a more specialized version of that class. Implementing just means that you can be used in the context the interface is for. There is a difference in being a kind of Book versus being Sellable or Readable.

WHAT QUESTIONS DO YOU HAVE?

Reading for tonight:

Unit Testing