Generics Competency #5

Can use generic classes and interfaces Can define generic classes and interfaces

Generic classes: classes that are programmed to handle any type of datatype objects, not attached to a specific particular data type, flexible for all data types. The difference between generic and non-generic classes is that generic classes can be written with any datatype, and write methods/classes/interfaces once and use it everywhere. But for non-generics, the programmer would need to write/adjust the code specifically to that particular data type.

Generic interfaces: interfaces that deal with generic data types, like generic classes, they are not holded down by a particular data type. Generic interface have method headers but without method functions, allowing the interface to be implemented many times, and optionally adjusted to the programmer's needs. The generic interface is defined using the generic type parameter, when its implemented, the type argument needs to be stated.

Generics	Mastered 1 point	Progressing 0.001 points	Novice 0 points	Criterion Score
Can describe the benefits of generics	✓			1/1
Can use generic classes and interfaces				/1
Can define generic classes and interfaces				/1
Can define and use generic methods and bounded generic types	~			1/1
Can describe the benefits and pitfalls of using raw types	~			1/1





