Contract-based Software Development

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Overview

1 Class Specification

Interface

```
public interface ISimpleQueue {
    void Enqueue(object item);
    object Dequeue();
    object ElementAt(int index);
    int Count();
}
```

Contract

Associating Interface with Contract

```
[ContractClass(typeof(ISimpleQueueContract))]
public interface ISimpleQueue { /* ... */ }

[ContractClassFor(typeof(ISimpleQueue))]
abstract class ISimpleQueueContract { /* ... */ }
```

The End

"Testing shows the presence, not the absence of bugs."

— Edsger W. Dijkstra