Using Asserts to Pass or Fail Tests

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Overview

An overview of asserts

Asserting Boolean and null results

Asserting numeric results

Asserting on double values with delta

Asserting simple string equality

Specialized string asserts

Asserting collection results

Asserting that exceptions are thrown

Asserting object types and references

An Overview of Asserts

General purpose asserts
- Result = and != expected value
- Ints, floats, doubles, bool, string, etc.
- Assert static methods

Specialized string asserts
- StartsWith, EndsWith, Contains
- Regular expression matches
- StringAssert static methods

Specialized collections asserts
- Contains, AreEqual, AllItemsAreUnique
- CollectionAssert static methods

Exception, type, and reference asserts

Custom asserts

Summary

An overview of asserts

Assert.IsTrue & Assert.IsNull

Assert.AreEqual(100, sut.Health);

Asserting on double values with delta

Asserting simple string equality

StringAssert.StartsWith

CollectionAssert.Contains

Assert.ThrowsException

Assert.IsInstanceOfType

Assert.AreNotSame

Next:

Controlling and Customizing
Test Execution