Test

```
[Fact]
public void Test() {}
```

```
Setup
 public class TestFixture {
    public TestFixture() {
       // Setup here
```

```
Teardown
 public class TestFixture : IDisposable {
    public void Dispose() {
      // Teardown here
```

```
Fixtures
public class TestFixture : IUseFixture < Context > /*,
                            IUseFixture<...> */{
    public void SetFixture(Context data) {
       // i.e. assign to field
 // Instantiated once per test class
public class Context: IDisposable {
     public Context() {
         // Setup context here
     public void Dispose() {
         // Teardown context here
```

```
Static row tests
 [Theory]
 [InlineData(...,...)]
 [InlineData(...,...)]
 public void Test (..., ...) {
    // Parameters must match in type and order
```

```
Dynamic row tests: Excel as DataProvider
[ExcelData(@"Path/Data.xls", "select * from NamedRange")]
public void Test(string value, int expected) {
   // ExcelSheet must have range with name NamedRange
```

xUnit Cheat Sheet

```
Dynamic row tests: Property as DataProvider
public static IEnumerable<object[]> NameOfProperty {
       yield return new object[] { ...,... };
       yield return new object[] { ...,... };
 [Theory]
 [PropertyData("NameOfProperty")]
 public void Test(...,...) {
    // Parameters must match in type and order
```

```
Dynamic row tests: Class as DataProvider
 [ClassData(typeof(TestDataProvider))]
 public void Test(string value, int expected) {
     // Parameters must match in type and order
 public class TestDataProvider : IEnumerable<object[]> {
```

```
Dynamic row tests: SqlServer as DataProvider
  [Theory]
  [SqlServerData("serverName", "dbName",
                 "user", "pwd"
                 "select value, expected..."))]
 public void Test(string value, int expected) {
     // Select must include parameters in type and order
```

```
Dynamic row tests: OleDbConnection as DataProvider
 [Theory]
 [OleDbData("connection", "select value, expected..."))]
 public void Test(string value, int expected) {
    // Select must include parameters in type and order
```

```
Dynamic row tests: IDataAdapter as DataProvider
 public sealed YourSourceDataAttribute :
 DataAdapterDataAttribute {
     // Assign DataAdapter property with your custom
        IDataAdapter
```

```
Dynamic row tests: AnySource as DataProvider
 public sealed YourSourceDataAttribute :
 DataAdapterAttribute {
    public override IEnumerable<object[]> GetData(...) {
        // Connect to your source of happiness
```

Advice:

Use fluent assertions for asserts fluentassertions.codeplex.com

