

```
1 using System;
2 using Microsoft.VisualStudio.TestTools.UnitTesting;
3
4 namespace BankTests
5 {
6     [TestClass]
7     public class UnitTest1
8     {
9         [TestMethod]
10        public void TestMethod1()
11        {
12        }
13    }
14 }
15
```

110 % No issues found

Error List

Entire Solution 0 Errors 0 Warnings 0 Messages Build + IntelliSense

Search Error List

Code	Description	Project	File	Supp...
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Solution Explorer

Search Solution Explorer (Ctrl+;)

- Solution 'TestProject' (2 of 2 projects)
 - BankTests
 - Properties
 - References
 - Analyzers
 - Microsoft.VisualStudio.TestPlatform.Test
 - Microsoft.VisualStudio.TestPlatform.Test
 - System
 - System.Core
 - TestProject
 - packages.config
 - C# UnitTest1.cs
 - TestProject
 - Properties
 - References

Solution Explorer Team Explorer Class View

Properties

Properties

A Z

```
[TestClass]
CupsToOuncesTests
{
    [TestMethod]
    [ExpectedException(typeof(ArgumentException), noExceptionMessage: "A negative number is invalid")]
    public void CupsToOunces_ValidateInput_ThrowExceptions()
    {
        int ouncesPerCup = 8;
        int cupsBeingCalculated = -6;
        int expected = -48;

        CupsToOunces myCups = new CupsToOunces();
        myCups.CupToOunces(cupsBeingCalculated);
    }
}
```

Test Explorer

Test

Duration

Traits

Error Me...

✖ Cup...	155 ms		
✖ Cu...	155 ms		
✖ C..	155 ms		
✓ .	152 ms		
✓ .	< 1 ms		
✓ .	< 1 ms		
✖ .	3 ms		Test meth...

Test Detail Summary

✖ CupsToOunces_ValidateInput_ThrowExceptions

Source: [CupsToOuncesTests.cs](#) line 68

Duration: 3 ms

Message:
Test method did not throw expected exception System.ArgumentException. A

CupsToOuncesTests.cs | CupsToOunces.cs

CupsToOunces.Tests | CupsToOunces.Tests.CupsToOuncesTests | CupsToOunces_ValidateInput_ThrowExceptions()

```
0 references
14 public void CupsToOunces_CalculateHalfACup_VerifyCupsToOunces()
15 {
16     //Arrange
17
18     double ouncesPerCup = 8;
19     double cupsBeingCalculated = .5;
20     double expected = 4;
21
22     CupsToOunces myCups = new CupsToOunces();
23
24     // Act
25
26     var actual = myCups.CupToOunces(cupsBeingCalculated);
27
28     //Assert
29
30     Assert.AreEqual(expected, actual);
31 }
```

Test Explorer

4 3 1

Search Test Explorer

Test	Duration
✖ CupsToOunces.Tests (4)	155 ms
✖ CupsToOunces.Tests (4)	155 ms
✖ CupsToOuncesTests (4)	155 ms
✔ CupsToOunces_CalculateHalfACup_VerifyCupsToOunces	152 ms
✔ CupsToOunces_CalculateOneThirdCups_VerifyCupsToOunces	< 1 ms
✔ CupsToOunces_CalculateThreeCups_VerifyCupsToOunces	< 1 ms
✖ CupsToOunces_ValidateInput_ThrowExceptions	3 ms

Test Detail Summary

✔ CupsToOunces_CalculateHalfACup_VerifyCupsToOunces

Source: [CupsToOuncesTests.cs](#) line 14

Duration: 152 ms


```
CupsToOuncesTests.cs | CupsToOunces.cs
CupsToOunces.Tests | CupsToOunces.Tests.CupsToOuncesTests | CupsToOunces_ValidateInput_ThrowExceptions()

62 | }
63 |
64 | [TestMethod]
65 |
66 | [ExpectedException(typeof(ArgumentException), noExceptionMessage: "A negative number is inval
67 |
68 | 0 references
68 | public void CupsToOunces_ValidateInput_ThrowExceptions()
69 | {
70 |     int ouncesPerCup = 8;
71 |     int cupsBeingCalculated = -6;
72 |     int expected = -48;
73 |
74 |     CupsToOunces myCups = new CupsToOunces();
75 |     myCups.CupToOunces(cupsBeingCalculated);
76 | }
77 |
78 | }
79 | }
```

Unit Test Sessions - CupsToOunces_ValidateInput_ThrowExceptions

CupsToOunces_ValidateInput_ThrowExceptions

1 1 0 0 0

Type to search

- CupsToOunces.Tests (1 test) Success
- CupsToOunces.Tests (1 test) Success
- CupsToOuncesTests (1 test) Success
- CupsToOunces_ValidateInput_ThrowExceptions Success

Output

Toolbox

```
CupsToOunces.Tests
CupsToOunces.Tests.CupsToOuncesTests
CupsToOunces_ValidateInput_ThrowExceptions()

33
34 [TestMethod]
35 | 0 references
36 public void CupsToOunces_CalculateThreeCups_VerifyCupsToOunces()
37 {
38     double ouncesPerCup = 8;
39     double cupsBeingCalculated = 3;
40     double expected = 24;
41
42     CupsToOunces myCups = new CupsToOunces();
43
44     var actual = myCups.CupToOunces(cupsBeingCalculated);
45
46     Assert.AreEqual(expected, actual);
47 }
48
49
50 [TestMethod]
```

Test Explorer

4 3 1

Search Test Explorer

Test	Duration	1	Test Detail Summary
✖ CupsToOunces.Tests (4)	155 ms		✔ CupsToOunces_CalculateHalfACup_VerifyCupsToOunc
✖ CupsToOunces.Tests (4)	155 ms		Source: CupsToOuncesTests.cs line 14
✖ CupsToOuncesTests (4)	155 ms		Duration: 152 ms
✔ CupsToOunces_CalculateHalfACup_VerifyCupsToOunces	152 ms		
✔ CupsToOunces_CalculateOneThirdCups_VerifyCupsToOunces	< 1 ms		
✔ CupsToOunces_CalculateThreeCups_VerifyCupsToOunces	< 1 ms		
✖ CupsToOunces_ValidateInput_ThrowExceptions	3 ms		

CupsToOuncesTests.cs | CupsToOunces.cs

CupsToOunces.Tests | CupsToOunces.Tests.CupsToOuncesTests | CupsToOunces_ValidateInput_ThrowExceptions()

```
48
49
50 [TestMethod]
51 | 0 references
52 public void CupsToOunces_CalculateOneThirdCups_VerifyCupsToOunces()
53 {
54     double ouncesPerCup = 8;
55     double cupsBeingCalculated = .33;
56     double expected = 2.64;
57
58     CupsToOunces myCups = new CupsToOunces();
59
60     var actual = myCups.CupToOunces(cupsBeingCalculated);
61
62     Assert.AreEqual(expected, actual);
63 }
64 [TestMethod]
65
```

110 % 0 5

Test Explorer

4 3 1

Search Test Explorer

Test	Duration
❌ CupsToOunces.Tests (4)	155 ms
❌ CupsToOunces.Tests (4)	155 ms
❌ CupsToOuncesTests (4)	155 ms
✅ CupsToOunces_CalculateHalfACup_VerifyCupsToOunces	152 ms
✅ CupsToOunces_CalculateOneThirdCups_VerifyCupsToOunces	< 1 ms
✅ CupsToOunces_CalculateThreeCups_VerifyCupsToOunces	< 1 ms
❌ CupsToOunces_ValidateInput_ThrowExceptions	3 ms

Test Detail Summary
✅ CupsToOunces_CalculateOneThirdCups_VerifyCupsToOunces
Source: [CupsToOuncesTests.cs](#) line 51
Duration: < 1 ms