# Pass Task 7 - Unit Testing the Spell

## Related Learning Outcomes

### ULO1 – Explain the OO Principles
This exercise demonstrated object encapsulation

### ULO2 – Use OO Language and Library
Demonstrated class and constructor declaration, the use of conditional statements (e.g. if), and assigning values to parameters. Uses of string assert, areequalignoringcase, by enable the nunit for testing the return of the string since I'm using the string assert, and using the are equal ignoring case which to check the expected and actual case.

### ULO3 – Design, Develop and Test using an IDE
The code was developed using Xamarin Studio to build and run the program, as well as integrated debugging features to step and inspect values.

### ULO4 – Communicate using UML Diagrams
I learned how to interpret a UML class diagram and write the related code.

### ULO5 – Describe Elements of Good OO Design
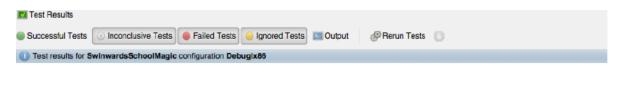The exercise demonstrated correct use of C# coding conventions.

## Screenshots
[code running]

```
 1 using NUnit.Framework;
 2 using System;
 3
 4 namespace SwinwardsSchoolMagic
 5 {
 6     [TestFixture ()]
 7     public class TESTING
 8     {
 9         [Test ()]
10         public void TestTeleport ()
11         {
12             Spell Spells = new Spell ("Mitch's mighty mover", SpellKind.Teleport);
13             StringAssert.AreEqualIgnoringCase ("Poof... you appear somewhere else",  Spells.Castspell());
14         }
15         [Test ()]
16         public void Healingtest ()
17         {
18             Spell Spells = new Spell ("Paul's potent poultice", SpellKind.Heal);
19             StringAssert.AreEqualIgnoringCase ("Ahhh... you feel better",  Spells.Castspell());
20         }
21         [Test ()]
22         public void INvisTest ()
23         {
24             Spell Spells = new Spell ("David's dashing disappearance", SpellKind.Invisibility);
25             StringAssert.AreEqualIgnoringCase ("Zippp... where am I?",  Spells.Castspell());
26         }
27     }
28 }
29
30
```

IDE

☑ Test Results

⬤ Successful Tests  | ⓘ Inconclusive Tests | 🔴 Failed Tests | 🟡 Ignored Tests | 🖾 Output | 🔧 Rerun Tests ✋

ⓘ Test results for **SwinwardsSchoolMagic** configuration **Debuglx86**

Passed: 3  Failed: 0  Errors: 0  Inconclusive: 0  Invalid: 0  Ignored: 0  Skipped: 0  Time: 00:00:00.0090000