

Selected files

3 printable files

Sw/SwinTest.cs

SwinAdventure/IdentifiableObject.cs

SwinAdventure/Program.cs

Sw/SwinTest.cs

```
1  using System.Data.Common;
2  using System.Xml.Serialization;
3  using SwinAdventure;
4
5  namespace SwinTest;
6
7  public class IdentifiableObjectTest
8  {
9
10     private IdentifiableObject _identifs;
11
12     [SetUp]
13     public void Setup()
14     {
15         _identifs = new IdentifiableObject(new string[] { "104828510", "Uyen
Giang", "Thai" });
16     }
17
18     [Test]
19     public void TestAreYou()
20     {
21         Assert.IsTrue(_identifs.AreYou("104828510"));
22         Assert.IsTrue(_identifs.AreYou("Uyen Giang"));
23     }
24
25     [Test]
26     public void TestNotAreYou()
27     {
28         Assert.IsFalse(_identifs.AreYou("104828510"));
29     }
30
31     [Test]
32     public void TestCaseSensitive()
33     {
34         Assert.IsTrue(_identifs.AreYou("UYeN GiANG"));
35         Assert.IsTrue(_identifs.AreYou("thAi"));
36     }
37
38     [Test]
39     public void TestFirstId()
40     {
41         Assert.AreEqual("104828510", _identifs.FirstId);
42     }
43
44     [Test]
```

```

45     public void TestFirstIdNoIDs()
46     {
47         IdentifiableObject _id0ids = new IdentifiableObject(new string[] { });
48         Assert.AreEqual("", _id0ids.FirstId);
49     }
50
51     [Test]
52     public void TestAddID()
53     {
54         _identifs.AddIdentifier("Wren");
55         Assert.IsTrue(_identifs.AreYou("Wren"));
56     }
57
58     [Test]
59     public void TestPrivilegeEscalation()
60     {
61         IdentifiableObject _idpries = new IdentifiableObject(new string[] { "
007", "James" });
62         _idpries.PrivilegeEscalation("8510");
63         Assert.AreEqual("104828510", _idpries.FirstId);
64     }
65 }

```

SwinAdventure/IdentifiableObject.cs

```

1  using System;
2  namespace SwinAdventure
3  {
4      public class IdentifiableObject
5      {
6          private List<string> _identifiers = new List<string>();
7
8          public IdentifiableObject(string[] idents)
9          {
10             foreach (string id in idents)
11             {
12                 AddIdentifier(id);
13             }
14         }
15
16         public bool AreYou(string id)
17         {
18             return _identifiers.Contains(id.ToLower());
19         }
20
21         public string FirstId
22         {
23             get
24             {
25                 if (_identifiers.Count > 0)
26                 {
27                     return _identifiers[0];
28                 }
29                 else
30                 {
31                     return "";

```

```

32         }
33     }
34 }
35
36 public void AddIdentifier(string id)
37 {
38     _identifiers.Add(id.ToLower());
39 }
40
41 public void PrivilegeEscalation(string pin)
42 {
43     if (pin == "8510")
44     {
45         _identifiers[0] = "104828510";
46     }
47 }
48 }
49 }

```

SwinAdventure/Program.cs

```

1 namespace SwinAdventure
2 {
3     public class Program
4     {
5         static void Main()
6         {
7         }
8     }
9 }

```