```
...eek5\Task5_2P\Swin_Adventure\BagUnitTest\UnitTest1.cs
```

```
1 namespace IdentifiableObject
2 {
3
       public class Tests
 4
       {
 5
           private Bag _b1;
 6
            private Bag _b2;
7
            private Item _shield;
8
           private Item _shovel;
9
            [SetUp]
10
            public void Setup()
11
12
               _b1 = new Bag(new string[] {"104776473"}, "Thang's bag",
13
                  "student");
               _b2 = new Bag(new string[] {"1"}, "bag 2", "this is a bag");
14
15
                _shield = new Item(new string[] { "shield" }, "a shield",
                  "Shield level 1");
               _shovel = new Item(new string[] { "shovel" }, "a shovel",
16
                  "Shovel level 2");
           }
17
18
19
           [Test]
20
           public void TestBagLocatesItems()
21
               _b1.Inventory.Put(_shield);
22
23
               Assert.AreEqual(_b1.Locate("shield"), _shield);
            }
24
25
            [Test]
26
27
            public void TestBagLocatesItself()
28
            {
               Assert.AreEqual(_b1.Locate("104776473"), _b1);
29
30
            }
31
32
            [Test]
            public void TestBagLocateNothing()
33
34
            {
35
               Assert.AreEqual(_b1.Locate("pizza"), null);
            }
36
37
           [Test]
38
           public void TestBagFullDescription()
39
40
41
               _b1.Inventory.Put(_shield);
               _b1.Inventory.Put(_shovel);
42
               Assert.AreEqual(_b1.FullDescription, "In the Thang's bag you
43
                  can see:\na shield (shield)\na shovel (shovel)\n");
           }
44
45
```

```
...eek5\Task5_2P\Swin_Adventure\BagUnitTest\UnitTest1.cs
```

```
___2
```

```
46
            [Test]
47
            public void TestBagInBag()
48
            {
49
                _b1.Inventory.Put(_b2);
                _b2.Inventory.Put(_shield);
50
51
                Assert.AreEqual(_b1.Locate(_b2.FirstId), _b2);
52
                Assert.AreEqual(_b1.Locate(_shovel.FirstId), null);
53
            }
54
55
            [Test]
56
            public void TestBagInBag_PrivilegedItem()
57
                _b1.Inventory.Put(_b2);
58
59
                _b2.PrivilegeEscalation("2024");
                Assert.AreEqual(_b1.Locate("2024"), null);
60
61
            }
62
       }
63 }
```