

SWINBURNE UNIVERSITY OF TECHNOLOGY

COS20007 OBJECT ORIENTED PROGRAMMING

Case Study - Iteration 5 - Tying it Together

PDF generated at 18:04 on Thursday 9th November, 2023

```
1  using System;
2  using System.Collections.Generic;
3  using System.Linq;
4  using System.Numerics;
5  using System.Text;
6  using System.Threading.Tasks;
7
8  namespace SwinAdventure
9  {
10     public class Program
11     {
12         private static void Main(string[] args)
13         {
14             string name, desc;
15             Console.WriteLine("Setting up the PLayer:\n- Player name: ");
16             name = Console.ReadLine();
17             Console.Write("- A few word about you: ");
18             desc = Console.ReadLine();
19             Player p = new Player(name, desc);
20
21             Item gaunlet = new Item(new string[] { "gaunlet" }, "a gaunlet", "This is
↪ a proxy of the legendary infinity gaunlet");
22             Item power_stone = new Item(new string[] { "stone" }, "an infinity
↪ stone", "This is the power stone - one of the infinity stone created at the dawn
↪ of time");
23             Item invisibility_cloak = new Item(new string[] { "cloak" }, "a cloak",
↪ "The invisibility cloak used by Harry Potter himself a long time ago");
24             Bag spatial_ring = new Bag(new string[] { "ring" }, "spatial
↪ ring(common)", "A rusty spatial ring");
25
26             p.Inventory.Put(gaunlet);
27             p.Inventory.Put(invisibility_cloak);
28             p.Inventory.Put(spatial_ring);
29             spatial_ring.Inventory.Put(power_stone);
30
31             string command_input;
32             Command look = new LookCommand();
33
34             while (true)
35             {
36                 Console.Write("What is your Command? ");
37                 command_input = Console.ReadLine();
38                 if (command_input == "quit")
39                 {
40                     break;
41                 }
42                 else
43                 {
44                     Console.WriteLine(look.Execute(p,
↪ command_input.ToLower().Split()));
45                 }
46             }
47         }
48     }
49 }
```

```
48
49      }
50  }
51 }
```

