

SWINBURNE UNIVERSITY OF TECHNOLOGY

COS20007 OBJECT ORIENTED PROGRAMMING

Case Study - Iteration 5 - Tying it Together

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```
1  using System;
2
3  namespace SwinAdventure
4  {
5      class Program
6      {
7          public static void Main(string[] args)
8          {
9              string name;
10             string description;
11             Player player;
12
13             Console.WriteLine("Hello, welcome");
14
15             Console.WriteLine("\nEnter player's name:");
16             name = Console.ReadLine();
17             Console.WriteLine("Enter player's description:");
18             description = Console.ReadLine();
19
20             player = new Player(name, description);
21
22             Item sword = new Item(new string[] { "Sword" }, "sword", "This is an iron
↪ sword");
23             Item mask = new Item(new string[] { "Mask" }, "mask", "This is a cool
↪ mask");
24             Item gem = new Item(new string[] { "Gem" }, "gem", "This is an expensive
↪ item");
25
26             Bag bag = new Bag(new string[] { "Bag" }, "big bag", "This is a big
↪ bag");
27
28             player.Inventory.Put(sword);
29             player.Inventory.Put(mask);
30             player.Inventory.Put(bag);
31             bag.Inventory.Put(gem);
32
33             bool quit = false;
34             string cmd;
35             LookCommand look = new LookCommand();
36
37             while (!quit)
38             {
39                 Console.WriteLine("\nEnter a Command:");
40                 cmd = Console.ReadLine();
41
42                 if (cmd == "exit")
43                 {
44                     quit = true;
45                 }
46                 else
47                 {
48                     Console.WriteLine(look.Execute(player, cmd.Split()));
49                 }

```

```
50      }  
51      }  
52  }  
53 }
```

Terminal – Iteration2

Hello, welcome

Enter player's name:

Lorraine

Enter player's description:
the player

Enter a Command:

look in me

What do you want to look at?

Enter a Command:

look at me

You are Lorraine the player.

You are carrying:

a sword (sword)

a mask (mask)

a big bag (bag)

Enter a Command:

look at sword

This is an iron sword

Enter a Command:

look at gem

I can't find the gem

Enter a Command: