Swinburne University of Technology

COS20007 Object Oriented Programming

7.1P - Case Study - Iteration 5 - Tying it Together

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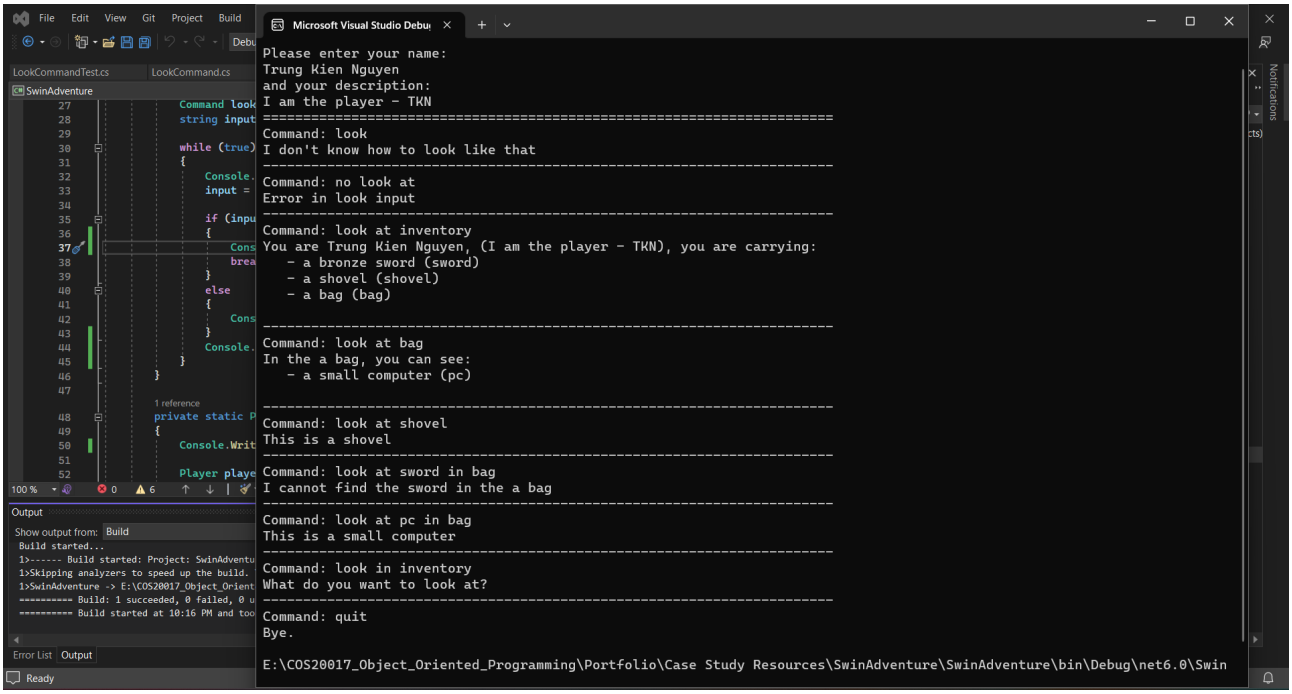
```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace SwinAdventure
{
    public class Program
    {
        public static void Main(string[] args)
        {
            Player player = GetPlayerInfomation();

            Item sword = new Item(new string[] { "sword", "bronze" }, "a bronze sword", "This is a bronze sword");
            Item shovel = new Item(new string[] { "shovel" }, "a shovel", "This is a shovel");
            Item computer = new Item(new string[] { "pc", "computer" }, "a small computer", "This is a small computer");

            player.Inventory.Put(sword);
            player.Inventory.Put(shovel);

            Bag bag = new Bag(new string[] { "bag" }, "a bag", "This is a bag");

            player.Inventory.Put(bag);
            bag.Inventory.Put(computer);

            Command lookCmd = new LookCommand();
            string input;

            while (true)
            {
                Console.Write("Command: ");
                input = Console.ReadLine().ToLower();

                if (input == "quit")
                {
                    Console.WriteLine("Bye.");
                    break;
                }
                else
                {
                    Console.WriteLine(lookCmd.Execute(player, input.Split()));
                }
                Console.WriteLine("-----------------------------------------------------------------------");
            }
        }

        private static Player GetPlayerInfomation()
        {
```

```
50              Console.WriteLine("====================WELCOME TO SWIN
    ↪  ADVENTURE==========================");
51
52              Player player;
53              Console.WriteLine("Please enter your name:");
54              string name = Console.ReadLine();
55              Console.WriteLine("and your description:");
56              string description = Console.ReadLine();
57
58              Console.WriteLine("=====================================================
    ↪  ==================");
59
60              player = new Player(name, description);
61              return player;
62          }
63      }
64  }
```


Please enter your name:
Trung Kien Nguyen
and your description:
I am the player - TKN
Command: look
I don't know how to look like that
Command: no look at
Error in look input
Command: look at inventory
You are Trung Kien Nguyen, (I am the player - TKN), you are carrying:
- a bronze sword (sword)
- a shovel (shovel)
- a bag (bag)
Command: look at bag
In the a bag, you can see:
- a small computer (pc)
Command: look at shovel
This is a shovel
Command: look at sword in bag
I cannot find the sword in the a bag
Command: look at pc in bag
This is a small computer
Command: look in inventory
What do you want to look at?
Command: quit
Bye.
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