



# Object Oriented Programming

## Pass Task 4.3: Case Study — Iteration 3: Bags

### Overview

Object oriented programming makes best sense with larger programs. The case study will be your opportunity to create a larger program and better see how these abstractions make it easier to create software solutions.

- Purpose:** Progress on the case study, implementing bags to hold items.
- Task:** Understand the case study program and implement iteration 3.
- Time:** Aim to complete this task by the start of week 5

### Submission Details

You must submit the following files to Doubtfire:

- Program source code
- Test source code
- Screenshot of unit tests passing

### Instructions

1. Review the **Case Study Requirements** document. It outlines what you need to create.
2. For this week aim to complete Iteration 3.

**Note:** At this point there will not be a "program" as such, just a set of unit tests that help demonstrate that your solution is moving toward completion.

Once your tests are working correctly get a screenshot of the tests passing and submit them along with the code.

### Assessment Criteria

Make sure that your task has the following in your submission:



- The program is implemented correctly based on the case study description.
- Code must follow the C# coding convention used in the unit (layout, and use of case).
- The code must compile and the screenshot show it outputting the correct details.
- Tests must be written using the correct style (appropriate Assert statements and use of Set-Up method).
- Tests must pass and appropriately cover the functionality of the code being tested.