School of Science, Computing and Engineering Technologies

Object Oriented Programming

Pass Task 2.3: Case Study — Iteration 1: Identifiable Object

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:	Practice interpreting UML class diagrams and writing unit tests.
Task:	Understand the case study program and implement iteration 1.
Time:	Aim to complete this task by the start of week 3

Submission Details

You must submit the following files:

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

Instructions

1. Review the **Case Study Requirements** document and implementation plan included in the task resources. It outlines what you need to create.
2. For this week aim to complete Iteration 1.

> **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.