COS20007

Object-Oriented Programming

Learning Summary Report

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Self-Assessment Details

The following checklists provide an overview of my self-assessment for this unit.

Self-Assessment Statement

	Pass (D)	Credit (C)	Distinction (B)	High Distinction (A)
Self-Assessment				✓

Minimum Pass Checklist

	Included
Learning Summary Report	✓
Test is Complete	✓
C# programs that demonstrate coverage of core concepts	✓
Explanation of OO principles	✓
All Pass Tasks are Complete	✓

Minimum Credit Checklist (in addition to Pass Checklist)

	Included
All Credit Tasks are Complete	✓

Minimum Distinction Checklist (in addition to Credit Checklist)

	Included
Custom program meets Distinction criteria & Interview booked	✓
Design report has UML diagrams and screenshots of program	✓

Minimum Low-Band (80 – 89) High Distinction Checklist (in addition to Distinction Checklist)

	Included
Custom project meets HD requirements	✓

Minimum High-Band (90 – 100) High Distinction Checklist (in addition to Low-Band High Distinction Checklist)

	Included
Research project meets requirements	

Declaration

I declare that this portfolio is my individual work. I have not copied from any other student's work or from any other source except where due acknowledgment is made explicitly in the text, nor has any part of this submission been written for me by another person.

Signature: **Bryan Yap**

Portfolio Overview

This portfolio includes work that demonstrates that I have achieved all Unit Learning Outcomes for COS20007 Unit Title to a **High Distinction** level.

Other than what I have learnt, I managed to learn some external and new methods to implement to my own custom Project. I would say I have a good level of mastery and understanding of the unit

In this section, refer to the tasks you have completed. Do not try to demonstrate the outcomes here, this is just a summary.

P-Task
1.1P
1.2P
2.1P
2.2P
2.3P
3.1P
3.2P
3.3P
4.1P
4.2P
5.1P
5.2P
6.1P
6.2P
7.1P
9.1P
11.P
C-Task
5.3C
7.2C
9.2C
10.1C
D-Task
6.3D
6.4D-Custom Project
HD-Task
6.5HD
6.6HD-Custom Project

Task Summary

To demonstrate my learning in this unit, I would like the following tasks to be considered part of my portfolio:

*My Custom Project (Complete)
*10.1C (Complete)

It fully encapsulates what the OOP Concepts that I want to explain and to demonstrate. The use of OOP Concepts fully demonstrates in the task above as both task have the final product of what we have learnt throughout the semester.

Reflection

The most important things I learnt:

what I have learned in this whole subject is the most importantly the concepts OOP how and what applies to it. The key learning point for me is the use of UML because it helps give a general understanding of how the code works on paper view. I have learned what I came fully expecting for at the beginning of the class and I can say I'm proud of it

The things that helped me most were:

-Internet, Some external stuff will require more knowledge of, that's when I use the internet to do more research and what and how can I implement it

Lecturer (Ms. Siti)- a teacher will always be the best options when it comes to learning a new topic so hence why lecturer also helped a lot

I found the following topics particularly challenging:

Relationship/Class collaboration – the symbol of certain relationships is a little bit on the confusing side therefore I struggled a bit on it

I found the following topics particularly interesting:

Inheritance and polymorphism- was very interesting in how it works what can be inherited and what override the method can do

I feel I learnt these topics, concepts, and/or tools really well:

Yes, The concept logic is applied in real world making it easier to visualization with more examples in hand

I still need to work on the following areas:

Sharpening my skills to its full potential I have so far already mastered the concepts now it's just using it in real world conditions

My progress in this unit was …:

I progressed really well in this unit, I have consistently submitted all my work and asking hefty lots of questions to my lecturer. Which is truly the reason why I'm able to take on the challenge of building a custom code and hopefully work for the grade I want. Concepts that I learnt here are core to coding which I can apply to many more units in the future

This unit will help me in the future:

[How will the things you learnt relate to the rest of your studies, and career? What have you learnt that will be valuable for you in the future?]

Yes, like in programming field how system is built and concepts is used. Another plus point is I can use the concepts here to implement it into unity which is a game engine that is built on C# which is the main language we are learning

If I did this unit again I would do the following things differently:

-Ask more Questions, so I can have clearer understanding of the topic in hand
-take more opportunities, Try to aim higher, always take the risk to learn new skills.