Learning Summary Report

COS20007 - Object Oriented Programming
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Self-Assessment Details

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

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

Self-Assessment Statement

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

Minimum Pass Checklist

	Included
All Pass Tasks are Complete on Doubtfire	✓

Minimum Credit Checklist (in addition to Pass Checklist)

	Included
Distinction tasks (other than Custom Program) are Complete	
Custom program meets Distinction criteria & Interview booked	
Design report has UML diagrams and screenshots of program	

Minimum Distinction Checklist (in addition to Credit Checklist)

	Included
HD Project included	
Custom project meets HD requirements	

Minimum High Distinction Checklist (in addition to Distinction Checklist)

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: **Hai Hoang Le**

Portfolio Overview

This portfolio includes work that demonstrates that I have achieve all Unit Learning Outcomes for COS20007 Object Oriented Programming to a **Pass** level.

When attempt the pass grade for this course, I have to achieved the criteria assessment in order to pass this course, complete all the pass tasks of the course as well as complete the test in the week 8 and the summary report for the whole course. At first, I was attempted to a higher grade, however I have the other courses at school that requires a lot of work to do. At first, OOB is a new concept in programming to me, so I spent most of the time watch tutorials on Youtube as well as read the instruction on Canvas. It was more even harder when the course was about the Csharp language which was new to me. It is luckily for me that I knew Java and it is similar with Csharp. Among the course, I was using the time to practice with Leetcode which help me practice my coding, problem solving skills. During the course, I was paying attention to a contest outside school so I didn't complete all the credits and the Distinction task for the course. That is the reason why I just finish and get the pass level.

Reflection

The most important things I learnt:

I most thing I have learned in COS20007 is the concepts of OOB in programming which definitely for the future in a higher course as well as when I go to an internship, work. Beside that, I have learned the process of doing a project from have an Idea, then stretching an UML diagram and then coding as well as how to use test method to debug my own program. The Swin Adventure programing that we did in the course helped me to understand the structure of a program and how the class, object in OOB interact with each other

The things that helped me most were:

- My instructor lesson
- Document on canvas
- C# tutorials
- Youtube
- Stackoverflow
- Github

I found the following topics particularly challenging:

- Abstraction concept
- Inheritance concept
- Polymorphism concept
- Encapsulation concept
    I have practiced these 4 concepts among each task that I completed. They were kind of new as freshmen.

I found the following topics particularly interesting:

- Abstraction concept

- Inheritance concept
- Polymorphism concept
- Encapsulation concept
  As normal, new things are always interesting, although these concepts are not easy that I have to practice a lot to understand them, them are really interesting me with the passion to computer science.

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

- Abstraction concept
- Inheritance concept
- Polymorphism concept
- Encapsulation concept

I still need to work on the following areas:

As an IT student, it is clearly that there is no limitation in coding and creating program. That is the reason why I need to practice coding skills with tools such as Leetcode, learning new computer language as well as participant in industry contest such as Hackathon.

This unit will help me in the future:

The COS20007 is an basic course for student to understand the concepts of OOB. I believe these skills will help me to understand more about how objects and classes interact with each other in a project, process of creating a project and the structure of an program.

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

I would like to complete all credits and create my own custom game for the distinction and high distinction task to get a higher grade.