

SIT771

Object-oriented Development

Learning Summary Report

Yiyang Hou
220570074

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	✓
Pass tasks complete	✓

Minimum Pass Checklist

	Included
All Credit 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	

Minimum Distinction Checklist (in addition to Credit Checklist)

	Included
Something Awesome 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: **Yiyang Hou**

Portfolio Overview

This portfolio includes work that demonstrates that I have achieved all Unit Learning Outcomes for SIT771 Object-oriented Development to a **Credit** level.

[After progressing through the unit, I have learnt the principals of object-oriented programming and their application, how to design and build my own program as well as how to evaluate a piece of given code.

In credit task 4.2C, I was able to complete the task by evaluating and refactoring the target code. That demonstrates that I have achieved the unit learning outcome of Evaluate Code.

The series of robot dodge programs gave me the opportunity to practice my coding skills and have demonstrated my achievement of the unit learning outcome of Build Programs. In addition to that, they also helped with my understanding of how to read, evaluate and communicate solution structures, it demonstrates my achievement of the unit learning outcome of Design.

The concept visualisation tasks helped me with consolidating my understanding of the key principals of object-oriented programming and have demonstrated my achievement of the unit learning outcome of Principals.

Finally, I have completed all the tasks by providing the relevant evidence such as the code, screenshots and diagrams, that demonstrates that I have achieved the unit learning outcome of Justify.

I was able to complete all the tasks up to the level of credit with relative ease, in conjunction with the forementioned justifications, I believe that I have demonstrated that I have reached a credit level.]

Reflection

The most important things I learnt:

[The most important thing that I have learnt must be the key principals of object-oriented programming. Those notions were difficult to understand at first, but became clearer with proper practice. Once I got grasp on those principals all the tasks become easier for me, even learning another language becomes easy.]

The things that helped me most were:

[The thing that helped me the most was the syntax guides. A lot of the times, I know how to approach the objective of a task, but stuck with getting the syntax wrong, the syntax guides have always been very clear and helpful.]

I found the following topics particularly challenging:

[The concept of object and class was very challenging for me, as this is the foundation to object-oriented programming, so I struggled with the first several tasks because of it. As I do some extra studies, I have finally understood the concept.]

I found the following topics particularly interesting:

[I found every topic interesting, because everything I have learnt in this unit is very useful and practical. I can visualise that there is a place for every topic covered in this unit in an actual program.]

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

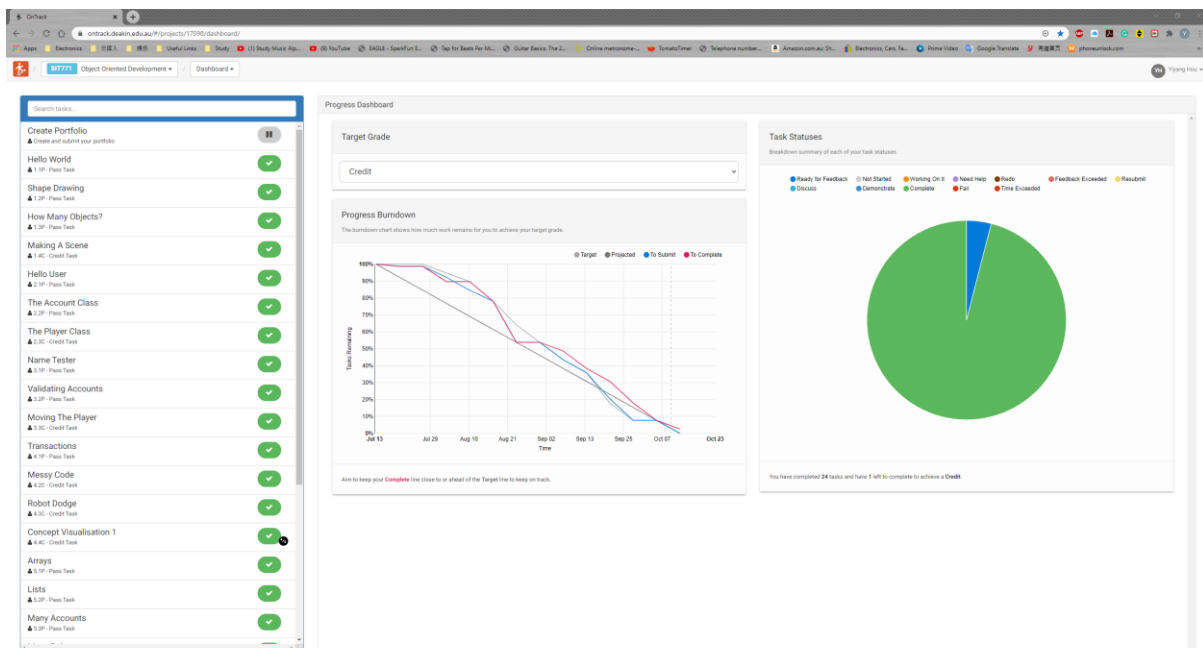
[I learnt the key principles of object-oriented programming really well, because every time I stuck in a task, I go back to these principles, they can always help me to solve the problems I had at the time.]

I still need to work on the following areas:

[I still need to work on my design skills. In my attempt of completing the distinction tasks, I found that designing my own solution is my weakness. I will need to work on that aspect going forward.]

My progress in this unit was ...:

[According to the graph, I was a little behind the schedule at a point, but I quickly picked up the pace and managed to stay on the track.



This unit will help me in the future:

[I believe that everything I learnt from this unit will be valuable for me whether for my studies or my career in the industry. Because this unit introduces the world of programming to me and be able to program and understanding the related concepts are the building blocks for the software industry. So I will be applying the knowledge and skills that I have learnt from this unit in my future studies as well as my career.]

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

[I tried to do my best not to procrastinate and leave thing to the last moment, but because the online learning mode is very new to me, I could have done better in terms of progress management and eliminating distractions. With the experience of this trimester, I will confidently apply the learning skills that I have learnt this trimester to the future studies, whether online or on campus.]