COS20007

OBJECT ORIENTED PROGRAMMING

This will be the cover of your portfolio…make it nicer than this! Include unit name, your name, student id…then delete this text!

JORDAN BOEKEL

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Learning Summary Report

# 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 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 & 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: **JORDAN BOEKEL**

# 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.

Change the grade and unit title. Then delete this box.

[Provide a justification for why you should receive this grade… Write this for the assessment panel – tell them why you should get this grade.

For Pass: you need to indicate how you have demonstrated all Unit Learning Outcomes to a minimal level.  
For Credit: you need to indicate how you have demonstrated all Unit Learning Outcomes to a good level.  
For Distinction: you need to indicate how you have been able to apply all of the Unit Learning Outcomes in achieving the distinction tasks.  
For High Distinction: you need to indicate how you have been able to extend beyond the material presented in the unit.

In this section, refer to the tasks you have completed. These will be attached by Doubtfire after this summary. Do not try to demonstrate the outcomes here, this is just a summary.

Think of this like a cover letter to a job application – here it is a cover letter to your grade application.]

Provide justification and delete everything in [ … ]. Then delete this box.

# Reflection

## The most important things I learnt:

How Object Oriented abstraction works. I have previously had a vague notion of programs abstracting away as much complexity as possible, but did not have a good idea of how to put that into practice. This class has done a great job of introducing me to these concepts and showing me how to use them in a practical manner.

I also greatly enjoyed seeing TDD (if at a basic level) in action. I’ve also heard about unit tests before, but never used them myself and had no idea how they worked.

[ Think about topics covered, but also other general things you may have learnt. Think about what you have learnt in this subject, and reflect on what you think were key learning points, or incidents. Did you learn what you wanted/expected to learn? ]

## The things that helped me most were:

[ List and explain ]

Reflect on your learning and discuss these areas. Read the suggestions in [ ] for each question. Write your reflections then delete the text in the [ ] and delete this box.

## I found the following topics particularly challenging:

Interfaces. They seem like quite a roundabout concept at first. Upon consideration, I can see how they make sense, but it’s still a bit difficult to grasp.

## I found the following topics particularly interesting:

I enjoyed building the ShapeDrawer program, and I would have loved it if it was extended further than it was. I expect my custom program will use it as a basis for it’s own work. I also liked the filesaving component of that, since it really demonstrated how I can use programs outside of the limited context of a single run with no memory.

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

The concept of objects as a type. I would hope so, after 12 weeks of learning, but still, I think it’s a valuable concept to grasp. I’ve previously tried out some functional programming (with scheme) which had a similar concept (ie. Little difference between inbuilt language constructs like ints, strings etc and the constructs you can build yourself), but I hadn’t made the connection before in OO programs. Understanding what all those keywords mean in other languages is really enlightening.

[ List and explain – if none explain why, refer to your pieces for evidence to support your claims ]

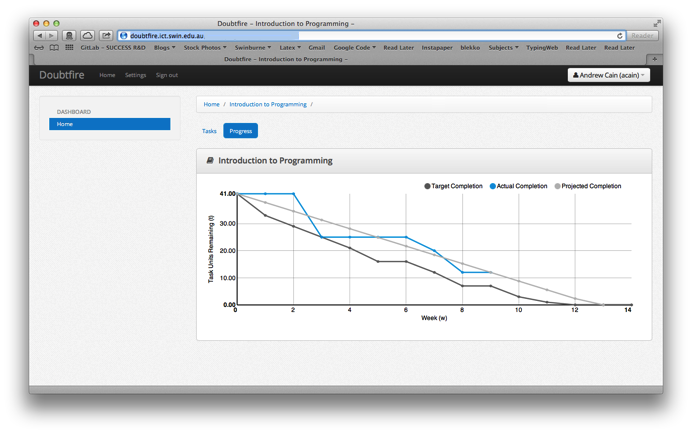
## I still need to work on the following areas:

Actual program design. The tasks provided were quite well detailed, but much of the real design work is left in the latter C/D/HD tasks. I think I just need more practice in that area building actual programs to get the hang of things.

[ List and explain – if none explain why, refer to your pieces ]

## My progress in this unit was …:

[ Include a screenshot of your **progress graph** from **Doubtfire**, and comment on what happened from your perspective… what does the graph say about how you approached the unit? (Login to Doubtfire to get your graph <https://doubtfire.ict.swin.edu.au)>]



## 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? ]

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

[ List and explain, how will you approach learning in the future? What things worked well, but what could you change to make sure you did better next time?]

## Other…:

[ Add any other reflections you think help you demonstrate your learning ]