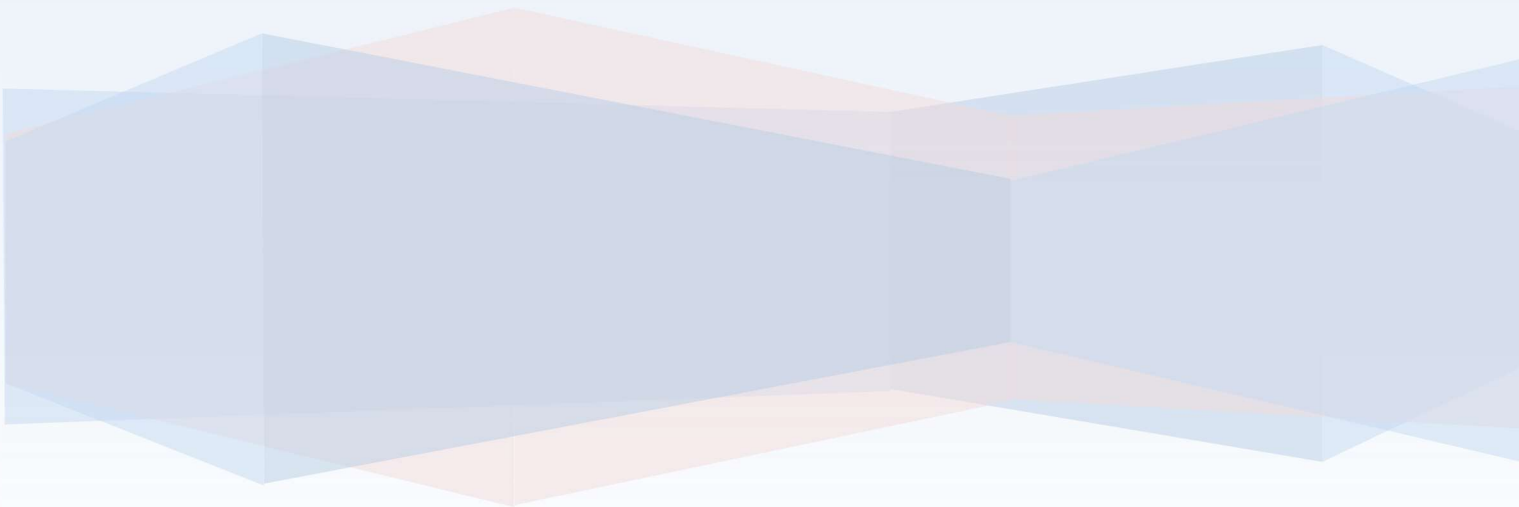# COS10009 – Introduction to Programming

Learning Summary Report

Tolgahan Mutlu (103609824)

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 (please tick)	✓			

Self-assessment Statement

	Included (please tick)
Learning Summary Report	✓
Test 1 and Test 2 are Compete in Doubtfire	✓
Ruby programs that demonstrate coverage of core concepts	✓
A C program that demonstrates coverage of core concepts	✓

Minimum Pass Checklist

	Included (please tick)
All Credit Tasks are Complete on Doubtfire	

Minimum Credit Checklist, in addition to Pass Checklist

	Included (please tick)
Distinction tasks (other than Custom Program) are Complete	
Custom program meets Distinction criteria & Interview booked	
Design report has structure chart and screenshots of program	

Minimum Distinction Checklist, in addition to Credit Checklist

	Included (please tick)
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: Tolgahan Mutlu

Portfolio Overview

This portfolio includes work that demonstrates that I have achieve all Unit Learning Outcomes for COS10009 Unit Title to a **Pass** level.

I believe I should receive a Pass letter grade as I have been able to push through all tasks that were required. I have passed both unit tests proving that I have successfully learnt the basic programming concepts covered in class, while this is truly my first year in programming, I have been able to push through all tasks required including the text music player which I have been able to successfully create in a matter of a couple of days which evidently shows that I have the skills required to comfortably pass. To add onto this, I have also completed one credit task which was 10.2C Recursive Factorial. The reason for completing this task was because of my understanding of the importance of recursion in my future years of coding.

Reflection

The most important things I learnt:

Functions and Parameters as they are used for everything and can get really complicated at times. I also found Arrays to be equally as important

The things that helped me most were:

Helpdesks

I found the following topics particularly challenging:

File handling and Gosu

I found the following topics particularly interesting:

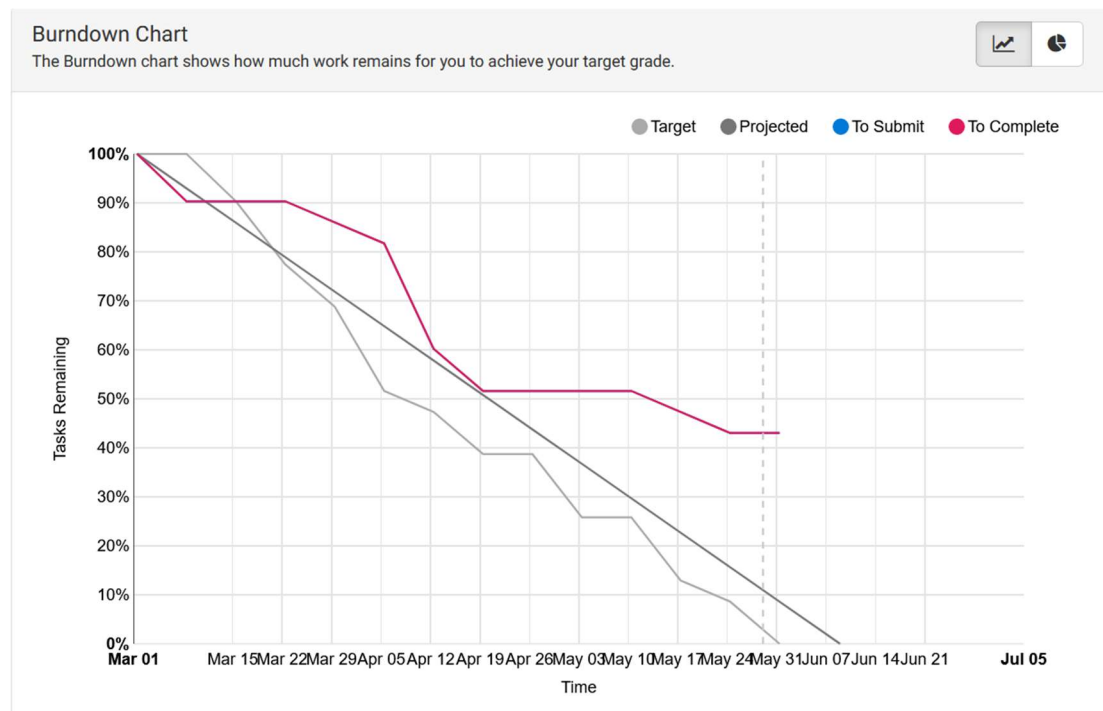Selection, Iteration and Recursion

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

I learnt arrays relatively well

I still need to work on the following areas:

File handling and Gosu

My progress in this unit was …:

Burndown Chart
The Burndown chart shows how much work remains for you to achieve your target grade.

My Progression is very rocky. At the start of the year I got stuck very early on and got left behind for a bit, then I worked hard on the concepts and got a lot of tasks done, from there I really just got tasks done on the deadline however it is not shown on the graph as my tasks have not been marked off even though they were submitted a while back.

This unit will help me in the future:

Other than help me with object-oriented programming next semester, it will help me in the field I am hoping to get into which is cyber security as being able to identify malicious programs would probably come in handy but even being able to apply my skills and learn a web-based program to develop websites or things alike could come in handy also.

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

Well if I came in with the same knowledge about programming I had when I started I would definitely use the helpdesk faster as it took me a while before used them setting me behind a few weeks at the start.