KIT101 Programming Fundamentals

Learning Reflection Report

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Self-assessment Details

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | PP | CR | DN | HD |
| Self-assessment |  |  |  |  |

*Self-assessment Statements*

|  |  |
| --- | --- |
|  | Submitted/completed |
| Learning Reflection Report |  |
| Test 1 and Test 2 are Completed in MyLO |  |
| Programs that demonstrate coverage of core concepts |  |

*Minimum Pass Checklist*

|  |  |
| --- | --- |
|  | Submitted/completed |
| All Credit Tasks are Completed on MyLO |  |

*Minimum Credit Checklist, in addition to Pass Checklist*

|  |  |
| --- | --- |
|  | Submitted/completed |
| Distinction tasks (other than Custom Program) are Completed |  |
| Custom program meets Distinction criteria |  |
| Design report has structure chart and screenshots of program |  |

*Minimum Distinction Checklist, in addition to Credit Checklist*

|  |  |
| --- | --- |
|  | Submitted/completed |
| Custom program meets HD requirements |  |
| Interview time booked |  |
| HD Project |  |

*Minimum High Distinction Checklist, in addition to Distinction Checklist*

# Portfolio Overview

This portfolio includes work that demonstrates that I have achieved all Unit Learning Outcomes for KIT101 Programming Fundamentals to a **Pass** level.

I have received all complete marks on pass-level assignments and test for this unit. Unfortunately, life got in my way this term, so I was not able to complete any of the higher-grade marks. I had almost no trouble getting the assignments working and complete.

I think that my ability to Read code and diagnose errors has been well-tested and I believe I have displayed a Pass in this area. With evidence shown in tests 1 and 2 and in almost every portfolio task. This also ties in to Thinking algorithmically and being able to identify and use structured programming.

At the beginning of this unit, I had very small knowledge of how to write small programs. Throughout this unit, my idea of a small program has grown. I think that all my work submitted after 2.1 has shown an understanding of writing small programs.

Portfolio tasks 7.1, 7.2, 8.1, and 9.1 all demonstrated my ability to apply functional decomposition. While I believe these were basic levels of this skill and still think I have shown this skill at a pass level

The last skill I have shown is being able to make maintainable code. Although my first few tasks I overlooked commenting because I believe them to be simple. I feel as the tasks and programs became more complicated my commenting also grew. I think this area for me needs to continue to improve but I feel that this will come with practice. I still believe I have demonstrated this at a pass level.

# Reflection

## The most important things I learnt

I little back story. I have never done anything with computers or code before the start of this year. I completed a short online c# course before deciding to try my hand at a computer science degree. I was looking for a challenge and boy did I find it. Learning java was amazing to see how similar a lot of computer languages are. It was difficult to do without intellisense but it was an important skill to learn.

## The things that helped me most were

My tutor was very helpful with all my questions.

## I found the following topics particularly challenging

I honestly found dr java to be my biggest enemy. After coming from visual studio which would offered me suggestions for the code I was writing. I would offend spend a lot of time looking back on my small mistakes.

## I found the following topics particularly interesting

I loved all the topics. None above any other. All seemed very practical and useful to know.

## I believe I learned these topics, concepts, or tools really well

Through my failure to complete or attempt above-pass level work, I have learnt to manage my time better. Failure is the biggest teacher. I am new to studying, so I am sure I still have a lot to learn.

## I still need to work on the following areas

I think practice makes perfect. I think I still need to work on all areas. I believe I have a basic idea of how most of this works but in practice, without starter code, I find it very challenging.

## My progress in this unit was …

Again, with time management. If I had to redo this course, I would do it very differently. I submitted all my Projects early although I did not even attempt most of them due to other commitments.

## This unit will help me in the future

Coding to me is like a big puzzle. Finding answers to my own questions is a very valuable skill to have. With so many ways to solve a problem, this course has helped me learn to think outside the box and formulate my own plan.

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

I am sure it is no surprise that I am staying for this. Time management. It is difficult to reflect when I took the easy path all semester. I have no doubt I would have been able to complete all projects and I know I would have taken a huge amount of time. Most of the pass-level assignments took me 1-2 days to get right. I cannot imagine how long the HD project would have taken. Although as I said I believe I would be able to complete given enough time.

## Other comments

I completely understand if you wish to give me an HD mark despite my lack of evidence or completed work. However, I have very much enjoyed this subject. Fingers crossed I can use IntelliSense in future courses.