Python3 Programming Project Report

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*[Word counts are approximate and only for guidance, aim for around 1000-1300 words]*

*Focus on the quality, not word count!*

STUDENT ID:

[100 words] INTRODUCTION:

*Intended user/s*

*Brief description of function*

*STATEMENT OF THE PROBLEM*

[200 words] REQUIREMENTS:

*Requirements*

*USER STORIES*

*ACCEPTANCE CRITERIA*

[250 words] DESIGN AND IMPLEMENTATION:

Design of your solution to the problem

Implementation plan

Diary of tasks

diary of success and problems and changes to the original plan

debugging of problems and iterations required to solve them

areas of subject knowledge used

[250 words] PROGRAMMING TECHNIQUES USED:

*EXAMPLE PROGRAMMING TECHNIQUES:*

*Uses a DATA STRUCTURE for large data sets*

*Uses an ALGORITHM to transform data sets*

*Uses suitable variable names, comments and annotations effectively*

*Effective use of common Python libraries and modules*

*Reads data from a file*

*Writes data to a file*

*Transforms between data types where necessary – Boolean, string, float, integer, etc.*

*Manipulates binary bits – bitwise operation*

*Parses input – text or numbers*

*Use of sequences, iteration and conditions*

*Use of functions, variable scope and recursion*

*Use of Python classes is not necessary. It is not part of the IFP’s Python 3 syllabus*

[100 words] INSTRUCTIONS:

How to run it, so that it can be tested

[100 words] TESTING and MAINTENANCE:

Process used to test the program.

Examples of data that have been used for testing.

Does it meet the user’s original requirements?

[150 words] REFLECTION and NEXT STEPS:

What went well in the project? What caused problems? How does this relate to a previous software project (if any)? How does your experience compare to the recognised software development processes?

What would you do better next time?

[Not counted] REFERENCES / OPEN SOURCE DECLARATIONS:

Reference any citation made in your report

Reference any other sources that have support the development of your program or report.

Declare any necessary open source licences.