# COMP1811 Paradigms of Programming
# Python Project - Feedback and Mark sheet

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**Features Implemented**

| Features fully implemented: | Partly: | Not Attempted: |
|---|---|---|
| **F1:** i ☐ ii ☐ | **F1:** i ☐ ii ☐ | **F1:** i ☐ ii ☐ |
| **F2:** i ☐ ii ☐ | **F2:** i ☐ ii ☐ | **F2:** i ☐ ii ☐ |
| **F3:** i ☐ ii ☐ iii ☐ iv ☐ v ☐ | **F3:** i ☐ ii ☐ iii ☐ iv ☐ v ☐ | **F3:** i ☐ ii ☐ iii ☐ iv ☐ v ☐ |

**Code Development (70)**

| | | | |
|---|---|---|---|
| Features implemented (35) | | *Number and quality of features successfully/fully implemented, input, results, etc. Does code run correctly or crash or give incorrect results? Is code integrated?* | |
| | F1 | This works as specified. | 7 / 7 |
| | F2 | This works as specified. | 14 /14 |
| | F3 | This works as specified. | 14 /14 |
| Use of OOP techniques (25) | | *Does the code make use of classes? Is the choice of classes appropriate? Are the classes instantiated and used elsewhere in the code? Are they well encapsulated? Has inheritance been used, i.e., does the code derive new class(es) based on an existing class? We will not mark down if polymorphism is not implemented.* | |
| | Abstraction | Your classes are self-contained and logical. | 9 /9 |
| | Encapsulation | You have encapsulated your data correctly. | 9 /9 |
| | Inheritance | You have used inheritance in a logical way. | 7 /7 |
| | Polymorphism | *Optional* Not applicable | 0 /5 |
| Quality of code (10) | | • *Any duplicate / near duplicate code?*<br>• *Use of Python language features (e.g., appropriate data structures), use of functions, etc.*<br>• *How easy would it be to add/change features?*<br>• *Use of exception handling?*<br>• *Bonus points if there is code decomposition into appropriate modules.*<br>• *Inclusion of meaningful comments, use of sensible naming standards (e.g., for vars, functions/ methods) and code layout. Following the Python naming conventions at PEP 8.* | |
| | | Outstanding in every way. There is not a PEP8 error or a misaligned line of code that I could find. | 10 /10 |

**Documentation (20)**

| | | |
|---|---|---|
| Design and documentation | • *Clear exposition about the design and decisions for OOP use.*<br>• *Are all the required sections included and completed properly?*<br>• *Is the report clear, accurate, and easy to read?*<br>• *Does the report give an accurate representation of what has been achieved?* | |
| | Clear, complete and professionally laid out. | 10 /10 |
| Testing | *Evidence of sufficient testing, use of process (test plan), unit tests, etc.* | |
| | You have a clear plan, carried it out and documented the results. | 5 /5 |
| Objective self-evaluation | *Is the evaluation realistic, showing depth of introspection, considered relevant issues and given a balanced view of positive and negative points?* | |
| | This is also of a standard above that expected in year 1. You may benefit | 5 /5 |

| | | |
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| **Acceptance Test (10)** | | |
| Demo | • *Ability to clearly describe and demonstrate:*<br>• *implemented features*<br>• *how visible behaviour of the program is implemented in the code*<br>• *talk through specified fragments of code and how it was integrated*<br>• *explain design rationale.* | |
| | You did not attend the milestone demos, but your in-class and video demos were complete and showed that all the work was yours. Well done. | 10/10 |
| **Overall Comments** | | |
| You must do better in future! OK, well, maybe not. This piece of work could be used as a model answer. You now have a different problem … the PhD is calling. | | |
| **Overall Mark** | | **100** |