Marking Sheet of Assignment 1

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**You MUST supply (i.e., ZERO mark if not):**

1. A class diagram of your proposed program. And
2. A help file details for your line-oriented command interpreter and these must be approved by the lecturer before you start the coding for this assessment. And
3. Your program must be able to do all the tasks mentioned in the section of Problem domain. And
4. Your code obeying the Python style (i.e., being able to pass PEP8 check). And
5. A document to list (for each component claimed for marks in your program): a) the ownership (i.e., done by you or someone else?); b) self-reflection on robustness[[1]](#footnote-1); and c) self-reflection on the completeness and implementation. And
6. You must carry out version control on a repository during your development process. And
7. A filled self-marking sheet.

**Marking guide (max 15 marks in total):**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Components | Used by one peer (0.5 mark) | Robustness (0.5 mark) | Complete and well implemented, i.e., “What is clever about this?” (0.5 mark) | Marks |
| Support command-line arguments | 0 | 0.5 | It can be fairly easily expanded at a later date 0.25 |  |
| Has a line-oriented command interpreter based on cmd | 0 | 0.5 | Regex used, meaning more complex commands could be used 0.25 |  |
| Display command line help of available commands | 0 | 0.5 | It works but not much else at this point 0.3 |  |
| Change options | 0 | 0.5 | Can only pick generation at this point 0.2 |  |
| Validate your selections | 0 | 0.25 | Some minor validation of data for formatting 0.25 |  |
| Provides object-persistence / object serialization using either pickle or shelve | 0 | 0.5 | Pickles an instance of the whole dex, saving many minutes each time you load it from scratch rather than having to perform a fresh web scrape every time 0.5 |  |
| Load data from a file | 0 | 0.5 | Can read the above mentioned pickle to save time on the load, can also use this for other elements later if needed 0.5 |  |
| Raises exceptions and provides exception handling | 0 | 0.4 | Only a couple of errors handled, but more common ones so far 0.25 |  |
| Amount of error trapping & handling | 0 | 0.2 | Not much done yet. More needs to be added in later editions 0.2 |  |
| Provide doctests | 0 | 0 | 0 |  |
| Provide unittests | 0 | 0 | 0 |  |
| Breadth of test coverage | 0 | 0 | 0 |  |
| Can deal with directories and file locations | 0 | 0.1 | Could easily be better implemented in current form if had time 0.1 |  |
| Pretty print, i.e., displaying data in bar chart, pie chart, etc. | 0 | 0 | 0 |  |
| Can extract information from multiple web pages based on the chain of hyperlinks | 0 | 0.5 | Creates a url to scrape for every pokemon on the national dex, allowing more information to be scraped dynamically 0.5 |  |
| Total | 0 | 4.45 | 2.8 | 7.25 |

1. **Robustness**. The degree to which a system continues to function in the presence of invalid inputs or stressful environmental conditions. [↑](#footnote-ref-1)