Unit 11

System Implementation

(Feedback)

Hi Michael,

Thank you for the submission of the System Implementation assignment, which has been informative to go through.

For this assignment you needed to take your initial class diagram designs and implement them using object-oriented Python. You needed to make use of the appropriate techniques that have been covered, including inheritance, composition and polymorphism.

You had to write and test your scripts in Codio using the Python workspace. All code scripts needed to be documented and explained following best practices.

The deliverables were:

Python code with comments explaining the code

Readme file containing a description of the solution implemented and instructions on how to execute the code

Test data used to test the code

Knowledge and understanding of the topic/ issues under consideration
OUTSTANDING

You have demonstrated a very good level of understanding of the implementation of your class diagrams using object-oriented Python. There is clear evidence of your knowledge of this topic provided in your explanation comparing with other possible solutions such as Rest API etc… You have used suitable techniques, for example, clear class structure, core methods specifically designed for business logic. Inheritance and polymorphism have also been used to demonstrate clear insight in to the topics with the various relationships in your design.

Application of knowledge and understanding OUTSTANDING

You have provided a very good demonstration of the application of your understanding to address the learning outcomes assessed by this assignment. You have applied the knowledge gained to clearly provide system implementation.

Your python code covers some nice features which are clearly and importantly evidenced. You have implemented essential features of your design. You have exploited lists data structure providing interaction with a data, you have also demonstrated the capabilities to implement some OOP principles, such as inheritance, polymorphism, visibility levels stock database increase and decrease processes does not carry functionality of decreasing stock levels.

In terms of code quality, there are some good comments for a newcomer to easily see what's going on.

The readme file does contains python features relating to the solution, covering the development process examples of both inheritance, polymorphism, instance variables and property decorator the test strategy. There are some sets of tests cross referenced to screen prints. Data sets are declared, but it would be beneficial to have different testing processes covering different types of testing, for example, functional, logical and system testing and some testing with corrective actions.

Structure and Presentation (as detailed in the assessment guidance) OUTSTANDING

Overall, this is a very organised structure and presentation that has met the requirements of the assignment. You have included the various elements in a clear format, with the code, readme file and test data.

Academic Integrity OUTSTANDING

You have met the required integrity in your submission, with no excessive use of code from other sources/module materials.