
Test 1

Instructors: Tevin Apenteng / Marc Gurwitz

Weight: 20% of your final grade

SYS466

Total Marks: 80

Summer 2020

Time Allocated: 24 hours

For this test, you are to read the included case study and provide appropriate class diagrams to explain principles from the course as they would apply to the case study.

**This test is a take-home test, that must be completed individually.
You will have 24 hours to complete the test.**

Submission notes:

- Submission will be via Blackboard
- You will be required to submit your test to SafeAssign.
- Submit one Word document with UML diagrams included as screenshots in the document
- Submit one StarUML file with all of your UML diagrams included as well.
- Approve the statement of individual work that is included in the submission.
- ZIP, RAR, and other compressed files will not be opened and will receive a mark of 0.

Please read and review the *Wild Waters* Case Study.

Question 1:

Choose any business process within *Wild Waters*. Create a **class diagram** reflecting between 7-15 classes for any of the operations that applies to this business process that utilizes **composition**.

Question 2:

Choose any business process within *Wild Waters*. Create a **class diagram** reflecting between 7-15 base classes for any of the operations that applies to this business process that utilizes **generalized/inherited** classes. Inherited classes do not count toward the 7-15 class requirement.

You should have at least 4 Systems Sequence Diagram to reflect the business processes in the case study. All of your sequence diagrams should include a short sentence or two to explain the intent of the diagram. This can be included in the Word document above the diagram. You may also include any assumptions or requirements that you feel are necessary to explain your model.

NOTE: You may not repeat any class diagrams that you have produced any labs or class exercises.