# IT 315 Final Project Part III Solution Submission Template

**Name:**

**Date:**

This template is a guide for you to organize your information. Some information may be too large or too small for the area which it is intended. Resize or rearrange the area as necessary.

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| 1. | Generate your student information system (SIS) sequence diagram for the Register a Student for Classes use case. Copy and paste your diagram here:  SIS Sequence Diagram: |
| Generate your SIS communication diagram for the Register a Student for Classes use case. Copy and paste your diagram here:  SIS Communication Diagram: |
| 2. | Verify and validate your sequence diagram and communication diagram against your SIS functional model and structural model:  Using the SIS requirements definition, I validated the sequence diagram using the checklist on page 209. The context of the sequence diagram is it represents the Register Student for Classes use case. Secondly, I identified all the object and actors involved in the process of registering a student for classes. The objects in the lifeline has not expiration in the lifeline because the objects can be called again and again. No objects were destroyed in the process. The interactions between objects were the messages that were sent between the objects. Some of these messages included parameters also.  I validated the communication diagram from the sequence diagram and the sequence of events from the sequence diagram contain the communications from object to object. |
| 3. | Explain your approach to the problem, the decisions you made to arrive at your solution, and how you completed it:  When building these sequence diagrams, I reflected on my own experience registering for classes. When logging into a computer system as a student, you navigate to a directory where all the course are displayed for the term. Each term only has the courses available that will be taught that term. Each course available contains the classes that can be taught in that course during that semester. You may see all the classes, but you may not be necessarily able to take it. |
| 4. | Reflect on this experience and the lessons you learned from it:  Communication diagrams are no different from sequence diagrams except for the way the information is conveyed. The communication diagram focuses more on the messages sent and the sequence diagram is focused more on events. |