Assignment 2 – CS 618 Software Design

Due at start of class on February 18, 2016

You are asked to build class diagrams and system sequence diagrams as part of your overall domain model, building on assignment 1.

This work may be done in groups (preferably working with your group from assignment 1).

Using the main success scenarios (MSS) of each of the “fully dressed” use cases from assignment 1:

1. Prepare one domain class diagram and supporting narrative.
2. Prepare system sequence diagrams (possibly one or more for each MSS) and supporting narrative.

*Note that the domain model will evolve with each sequence diagram that you add, meaning this will be an iterative process (work on class diagram, work on a sequence diagram, notice changes for domain model and go back and modify class diagram, etc.).*

Next, you should perform a review of your artifacts (class diagram and system sequence diagrams).  Prepare a short write up that describes what you learned in the review.

Deliverables:

1) Domain class diagram

2) System sequence diagrams for each MSS of “fully dressed” use cases (possibly 5 – 7)

3) A couple of paragraphs about the artifact review

And a “look ahead” for the Midterm/Project (to be handed out on 2/16 and due 3/3):

You will be adding some detail to the above artifacts, going from domain class diagram to the more detailed version class diagram.

In addition, we will be asking you to add operations contracts and design patterns.