**Complex Use Case Lab**

This lab is to be completed individually.

For this lab, you will be modeling a complex use case selected from our case study this semester. Prior to starting this lab, your selected use case must be approved by your professor as per the Use Case Table Lab.

For your selected complex use case, please complete the following components:

**User Story:** Write a user story for the primary users’ needs from your use case.

**Activity Diagram:** Create an activity diagram, documenting all paths through the **update** function of your use case.

**UI Mockup:** Design form layouts for your use case.

**Systems Use Case Specification:** Write a systems use case specification based on a single path through your activity diagram logic.

**Class Diagram:** Using Visual Paradigm, create a class diagram to support your specification.

**Sequence Diagram:** Using Visual Paradigm, create a sequence diagram to support your specification.

Import PNGs or JPGs of all of your work into a single word document and submit along with all supporting files and/or links to source material by the due date posted by your professor.