COMP 3700
Homework 1
Due: Friday, August 28th, 2015 by 11:59PM
(midnight)
(Please submit using Canvas)

This assignment is worth 100 points. You are <u>required</u> to use VISIO, the open source UML development tool **ARGOUML (http://argouml.tigris.org/), or another UML tool of your choice to develop the solutions that require modeling class diagrams. Please submit one document (WORD or PDF). UML tools have export capabilities that generate picture files (PNG, JPEG etc.) that can be embedded in document editors.**

(1) Prepare a conceptual domain model (class diagram) for a graphical document editor. Assume that a document consists of several sheets. Each sheet contains drawing objects, including text, geometrical objects, and groups. A group is simply a set of drawing objects, possibly including other groups. A group must contain at least two drawing objects. A drawing object can be a direct member of at most one group. Geometrical objects include circles, ellipses, rectangles, lines, and squares.

(2) Question 3.13 from your textbook

(3) Questions 3.20 and 3.23 from your textbook

(4) Question 4.3 from your textbook

(5) Question 4.15 from your textbook.