# CSCI 150 Intro. to Software Engineering

Fall 2018

**Lab Exercises 1, 2 and 3**

**Lab 1 is due on Sep. 28 <<end of the day>>**

**Lab 2 is due on Oct. 12 (may be postponed based on lecture progress)**

**Lab 3 is due on Oct. 24 (may be postponed based on lecture progress)**

**Lab 1:** Access the Software Requirements Specification (SRS) from http://www.cse.chalmers.se/~feldt/courses/reqeng/examples/srs_example_2010_group2.pdf .

Instructions:

1. Please read the entire SRS first. This is a very good example what a SRS looks like. The WIKI page of your project should follow the same style/format. Please note that dependency among FRs (Functional Requirements) is required.
2. Read FR 1.3-1.19 and 2.1-2.4 in Section 3. Please draw use case diagram(s) based on these FRs. (Please feel free to introduce more than one use case diagram if actors don't interact with each other.)
3. Submit your soft copy (PNG or JPG files) to blackboard.

**Lab 2:** Read the SRS and your use case diagram(s) again. Use noun extraction approach to convert SRS into class diagram. Based on the given information, please also introduce functions, including parameter list and return type) and the relationships (e.g., association, composition, aggregation) between classes.

1. Submit your soft copy (PNG or JPG files) to blackboard. Please note there are some free tools available to help you draw UML diagrams. I will only accept PNG or JPG file since I may not have these tools installed.

**Lab 3:** Read the SRS and your use case and class diagram again. Based on the given information, please introduce sequence diagram(s) that show execution flows among classes and associated functions.

1. Submit your soft copy (PNG or JPG files) to blackboard. Please note there are some free tools available to help you draw UML diagrams. I will only accept PNG or JPG file since I may not have these tools installed.