CS4012 Lab 6

For each of the problems below create the flowcharts using draw.io. Export each flowchart as an image from draw.io and add this to a word document. The pseudocode can be typed in the word document. Please upload one word document to Sulis that includes the solutions to all of the problems.

Q1: Create two different algorithms and flowcharts (one using positive logic and the other using negative logic) for calculating a student's letter grade given the following:

90-100 = A

80-89 = B

70-79 = C

60-69 = D

Below 60=F

Q2 (a): Write the pseudocode and draw the flowchart for a Calc module which determines the largest number from a set of three numbers: A, B and C.

Q2 (b): Modify the logic in the Calc module to print A, B and C in the correct order from largest to smallest.

Q3: Create a decision table for the following problem:

A retail store has the following policy with respect to cashing customers' cheques:

- The customer must have a driver's license
- When the cheque is for more than €50 then the customer must have a cheque-cashing card.