Homework 2

Your assignment is to write an algorithm for **Project 1**. An algorithm is a logical recipe or set of steps in sequence order that can be used to solve a problem. An algorithm is not as detailed as code. It is at the level that you would explain to another person who has never done the task before.

Two common approaches to writing an algorithm are lists and flow charts. Both are shown below in an example of an algorithm that computes the area of a square or a circle, depending on the user’s selection. You can use either approach to depict your algorithm for project 1. Note: you do NOT need to write the code for the algorithms shown below.

## List Style:

1. Ask the user if they want to compute the area of a square or a circle
2. If user selected square
   1. Prompt user for length of side
   2. Calculate area = length \* length
3. If user selected circle
   1. Prompt user for radius of circle
   2. Calculate area = 3.1415 \* radius \* radius
4. Display area to user
5. Done!

## Flow Chart Style:

