Project Two

Goal: Improve the program that calculates your possible grade average.

1. Expand the Assignments average to reflect the syllabus: Assignments – 50% (Participation-15%, Lab/Challenge-15%, Project-20%). What variables are needed? How should you obtain these values?
2. Add an if statement that compares the class average and the grade average and prints an appropriate statement.
3. Add an if-elseif-else structure to print a different statement for each letter grade equivalent based on the student’s grade average.
4. Add a loop to allow the user to run the program and calculate the grade average with different input values 3 times.
5. The program should not allow the user to enter negative numbers or values greater than 100.
6. Test with the following values:
   1. All 70(.0)’s.
   2. Test with a negative value for participation, 0 for test 1 and all values = 100 or 100.0.
   3. Test with Participation=0.0, Challenge=20.5, Project=40.5, Test 1=60, Test 2=70, Final = 80.
7. Submit by email the \_\_.java file and a screenshot/snippet of the results of running the program with the requested test values. Crop the window(s) to remove irreverent info/space.