Introduction

Write a class (called "Lotty") with a constructor that accepts a String object as its argument. The class should have a method that returns the number of vowels in the string and another method that returns the number of consonants in the string. Demonstrate the class in a program that performs the following steps:

1. The user is asked to enter a string;
2. The program displays the following menu:
   A. Count the number of vowels in the string;
   B. Count the number of consonants in the string.
   C. Enter another string;
   D. Exit the program.
3. The program performs the operation selected by the user and repeats until the user selects D, to exit the program.

Deliverable

Submit a single pdf document containing pseudocode, UML class diagram (for the standalone class), code and testing (output in the console).

References

Gaddis, T., & Muganda, G. (2016). *Starting out with Java*. Boston: Pearson.