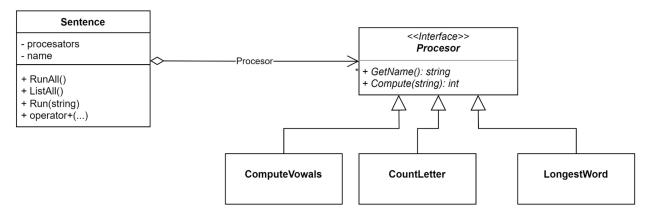
## Lab exam (part 2) - P1

Consider the following UML diagram / Fie urmatoarea diagrama UML:



Build all the files with the classes described in the above diagram so that the following code / Construiți fișierele header si cpp corespunzătoare diagramei de mai sus astfel incat:

will out upon execution:

## Observations/Observatii:

- You have to deduce the constructors for the classes Sentence, ComputeVowals, CountLetter and LongestWord from the code / Constructorii claselor Sentence, ComputeVowals, CountLetter si LongestWord trebuie dedusi analizand codul din functia main.
- The "Sentence" class has one operator that you will need to identify from the code of the function main./ Clasa "Sentence" are un operator pe care trebuie sa il identificati analizand codul din functia main.

## **Grading:**

G1	Organize your project in 10 files: main.cpp, Procesor.h, Sentence.h, Sentence.cpp, ComputeVowals.h, ComputeVowals.cpp, CountLetter.h, CountLetter.cpp, LongestWord.h, and LongestWord.cpp	1p
G2	Organize the file <b>Sentence.h</b> to correctly implement the UML diagram (two data members, one operator, one constructor, 3r methods).	3р
G3	Implementation of the method <b>Sentence</b> ::RunAll	2p
G4	Implementation of the method <b>Sentence</b> ::ListAll	2p
G6	Correctly implement all the virtual methods in classes ComputeVowals, CountLetter , and LongestWord . (3p for each class - 1p (GetName), 2p (Compute) )	9p
G6	Implementation of the operator from class Sentence	2p
G7	Implementation of the method <b>Sentence</b> ::Run	4p
G8	Implementation of the constructors for Sentence, ComputeVowals, CountLetter, and LongestWord (1p for each class)	4p
G9	The program compiles and upon execution produces the expected results	3р