Consider the following computer architecture:



In the graph, CPU, GPU, memory, monitor and keyboard are atomic components, while graph card and computer are composites. Every atomic component has a description and a price associated with it.

Your task is to use the composite pattern to model the computer architecture, and then implement the solution by following the composite pattern

You are required to draw a class diagram for your solution using standard UML notations. You will also need to write a driver/client class with a main method to test the program.