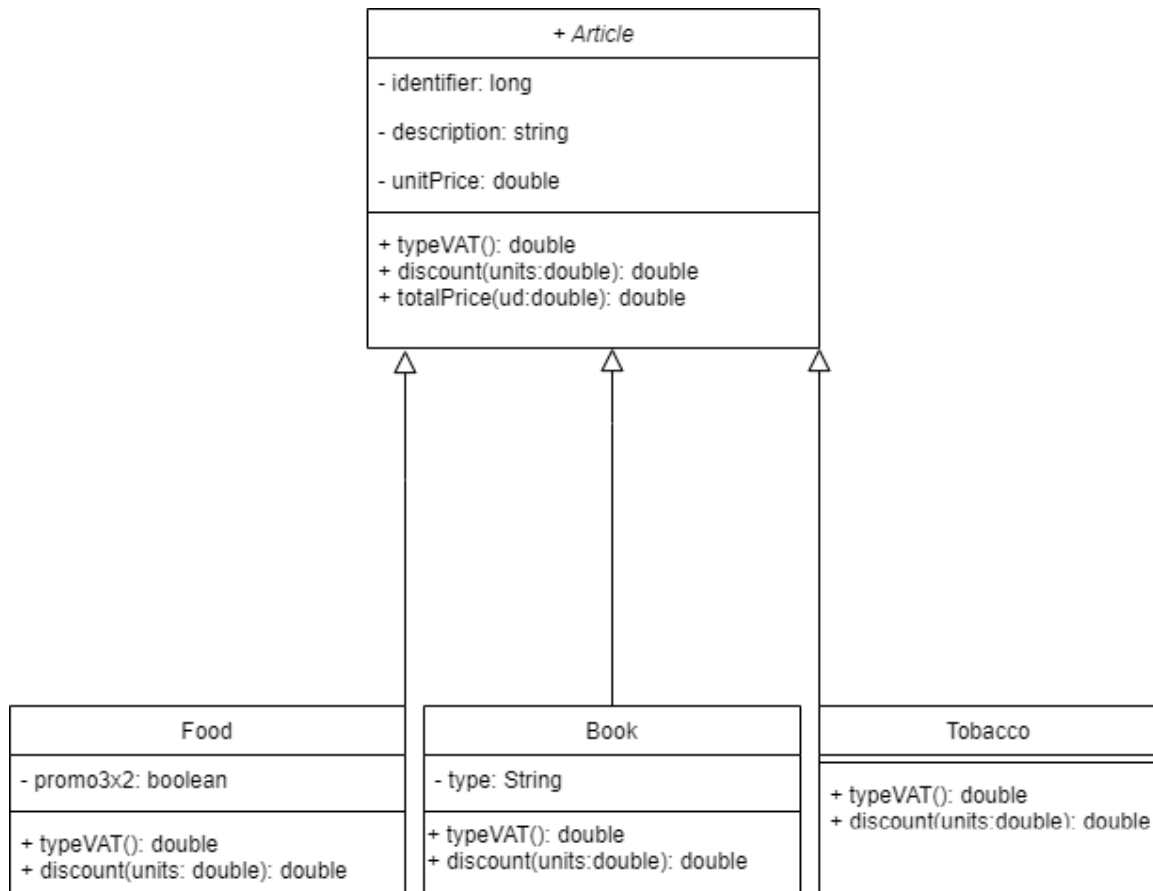


EXERCISE 1



As said in the assignment, we consider an application for a store which sells some articles. Article will be an abstract class as the different objects (subclasses) the store sells share some attributes and methods. These attributes will include their setters and getters methods which are not displayed on the diagram as this is an abstraction of the final code, there will be three methods for calculating VAT, discount and the total price that each article will have.

Then, we have an inheritance of three subclasses called Food, Tobacco and Book. Nothing special with them, all of them have their form of calculating the discount and their respective VATs, and some may have one attribute.

In the code it is specified how those methods and attributes are implemented.