

ASSIGNMENT -I

Q.1 Explain the problems that might be faced by an organization if it does not follow any software life cycle model.

Q.2 Without developing an SRS document an organization might face severe problems. Identify those problems.

Q.3 Identify the non-functional requirement-issues that are considered for any given problem description?

Q.4 Write down at least three differences between function-oriented and object-oriented design approach.

Q.5 Differentiate between aggregation and composition. Consider any real-life example of object containment and implement it using C++/Java.

Q.6 Consider the class diagram given in Figure 1. Write a C++ / Java code to implement concept of virtual function by considering some common features of object/class Animal depicted in the class diagram. Show the used of method overriding in your code.

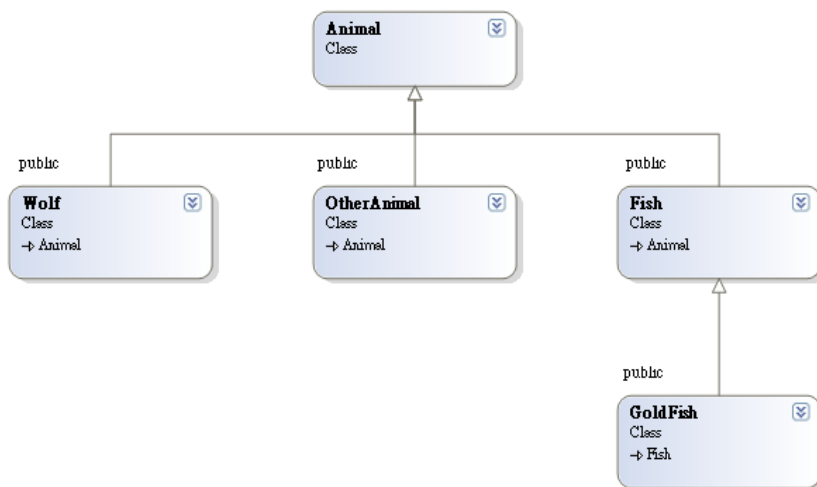


Figure 1

Q.7 Consider the class diagram given in Figure 2. Write a C++ / Java code to implement all the features of the object/class depicted in the class diagram. You can assume/use any addition information if required for implementation. Try to incorporate all the properties of Object-Oriented programming as far as possible such as Inheritance, Object Containment etc.

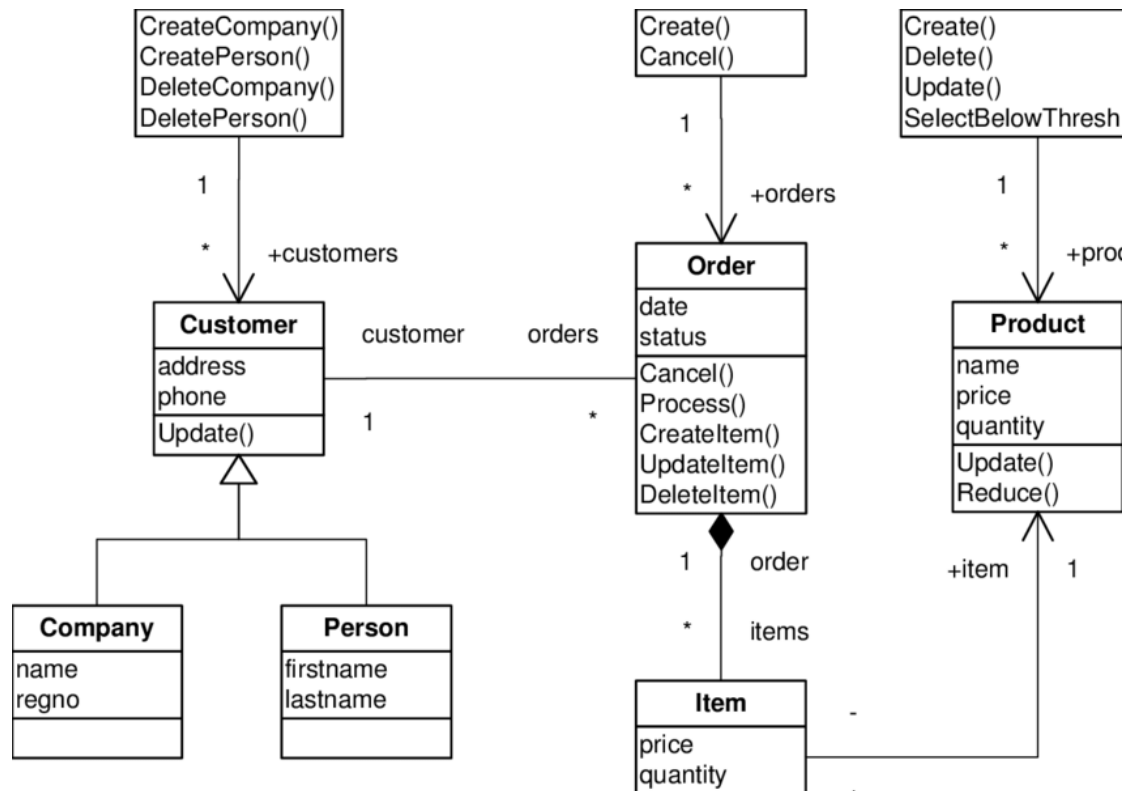


Figure 2