



MALMÖ HÖGSKOLA

Malmö University

**Programmering med C#, grundkurs
Programming Using C#, Basic Course**

Inheritance and Polymorphism

Exercise - Creatures on the Earth Optional – not to be submitted

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Exercise – Creatures

1. Objectives

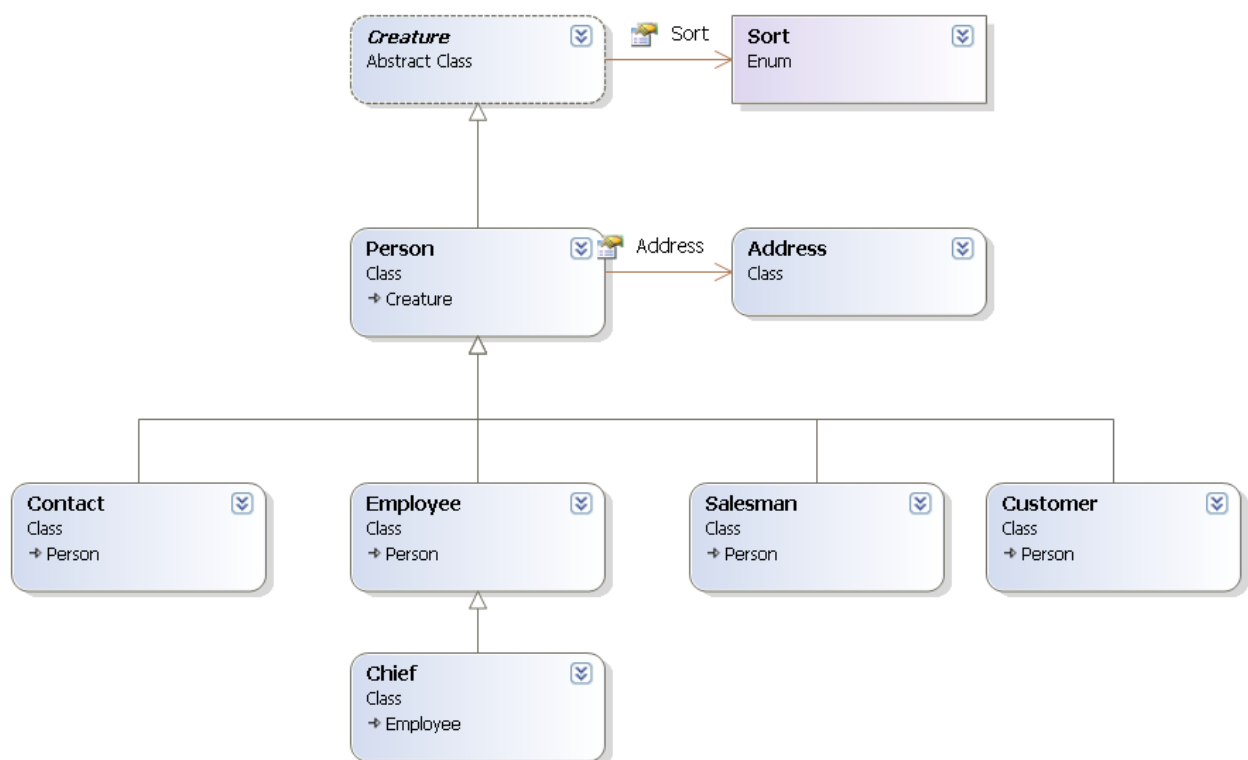
- 1.1. To implement inheritance and a bit of polymorphism.

2. Description

Write a program that tests a "has a" and "is a" relationship between objects according to the class diagram shown below. Try to find and implement at least a couple of attributes in each class.

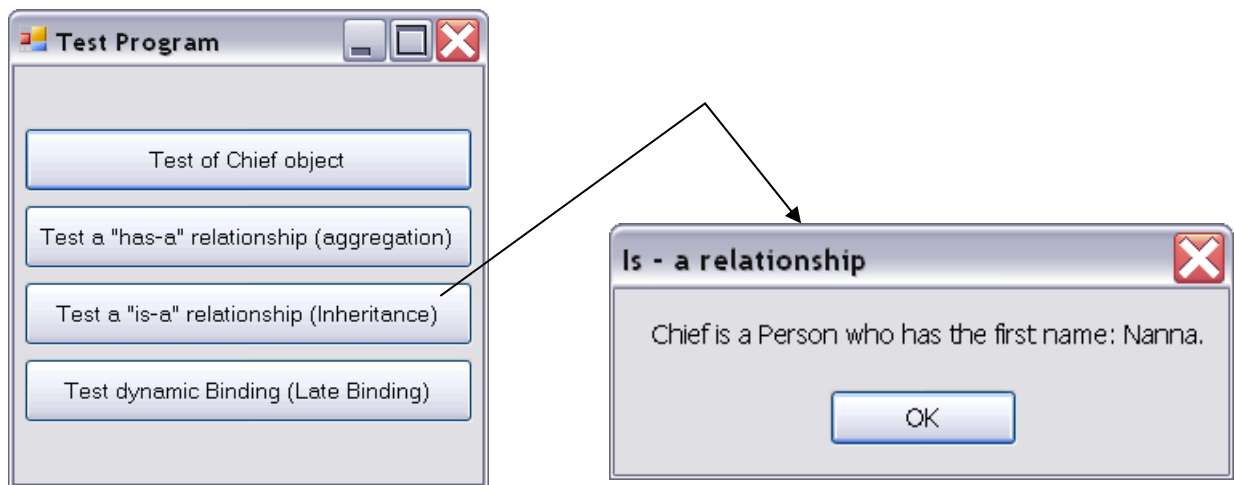
Note that **Sort** is an [enum](#) containing elements; Human, Animal and Insect:

The arrow \rightarrow is a symbol for aggregation while the arrows with empty tip shows inheritance according to UML conventions.



3. Instructions

The user interface can look like this:



4. Solution

A sample solution is given via the platform as a complete Visual Studio.NET project.

Good Luck!

Programming is fun. Never give up. Ask for help!
Farid Naisan, Course Coordinator and Instructor