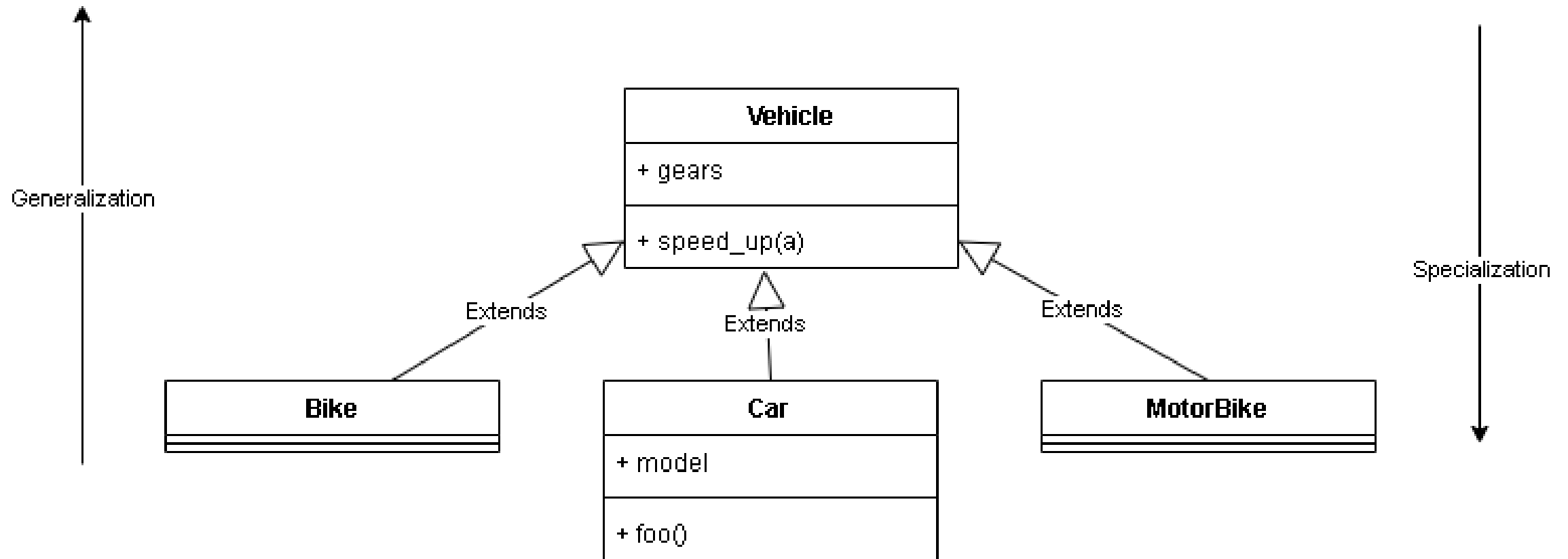


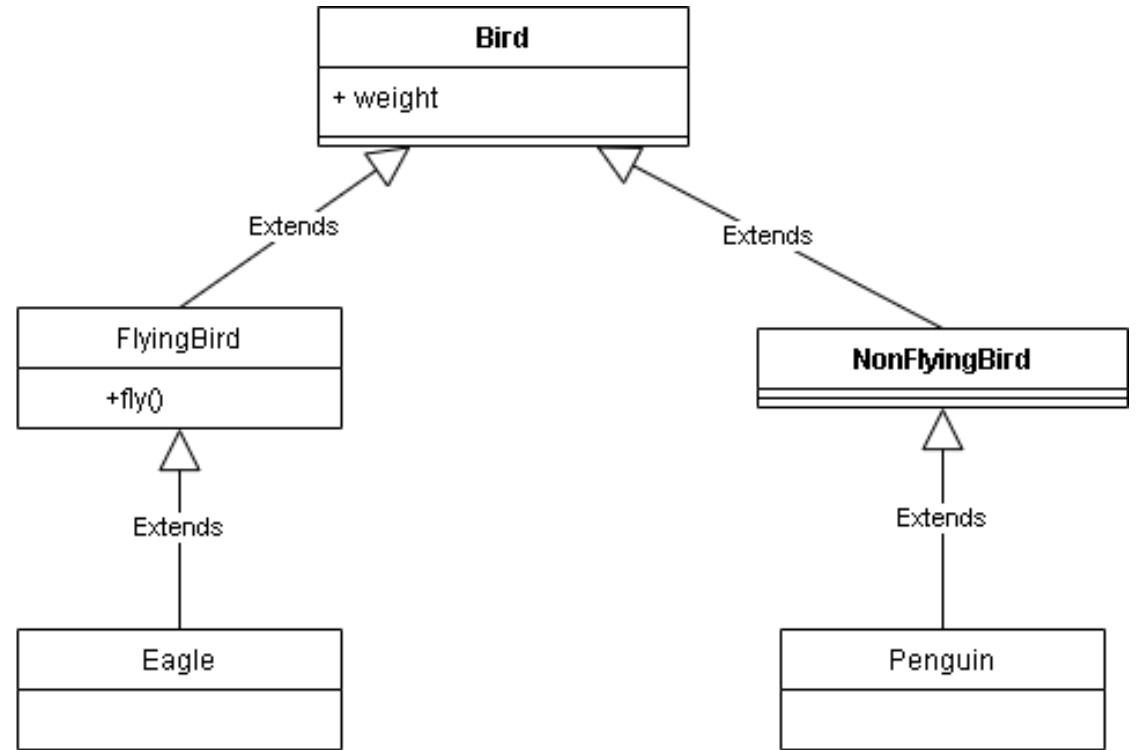
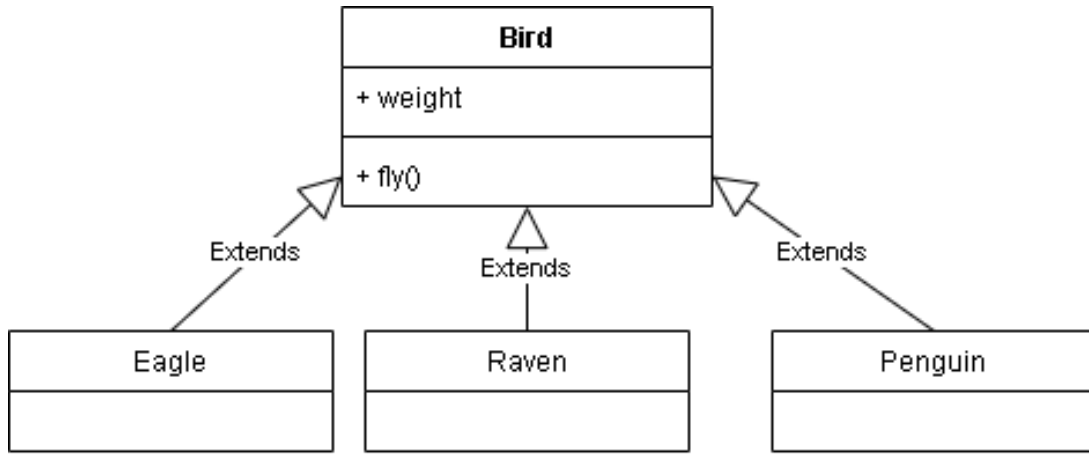
# Software Engineering

Notes 27/10/2022

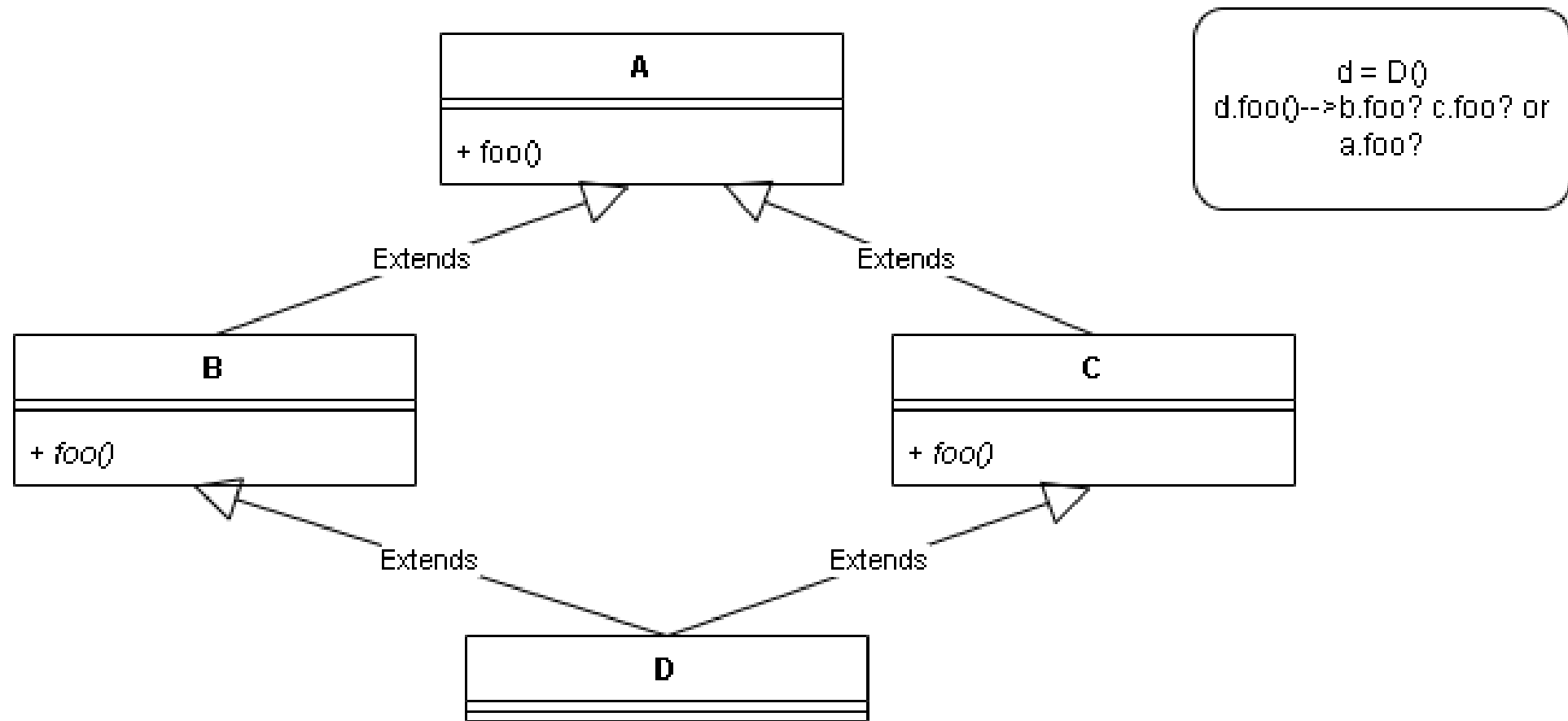
# Inheritance generation



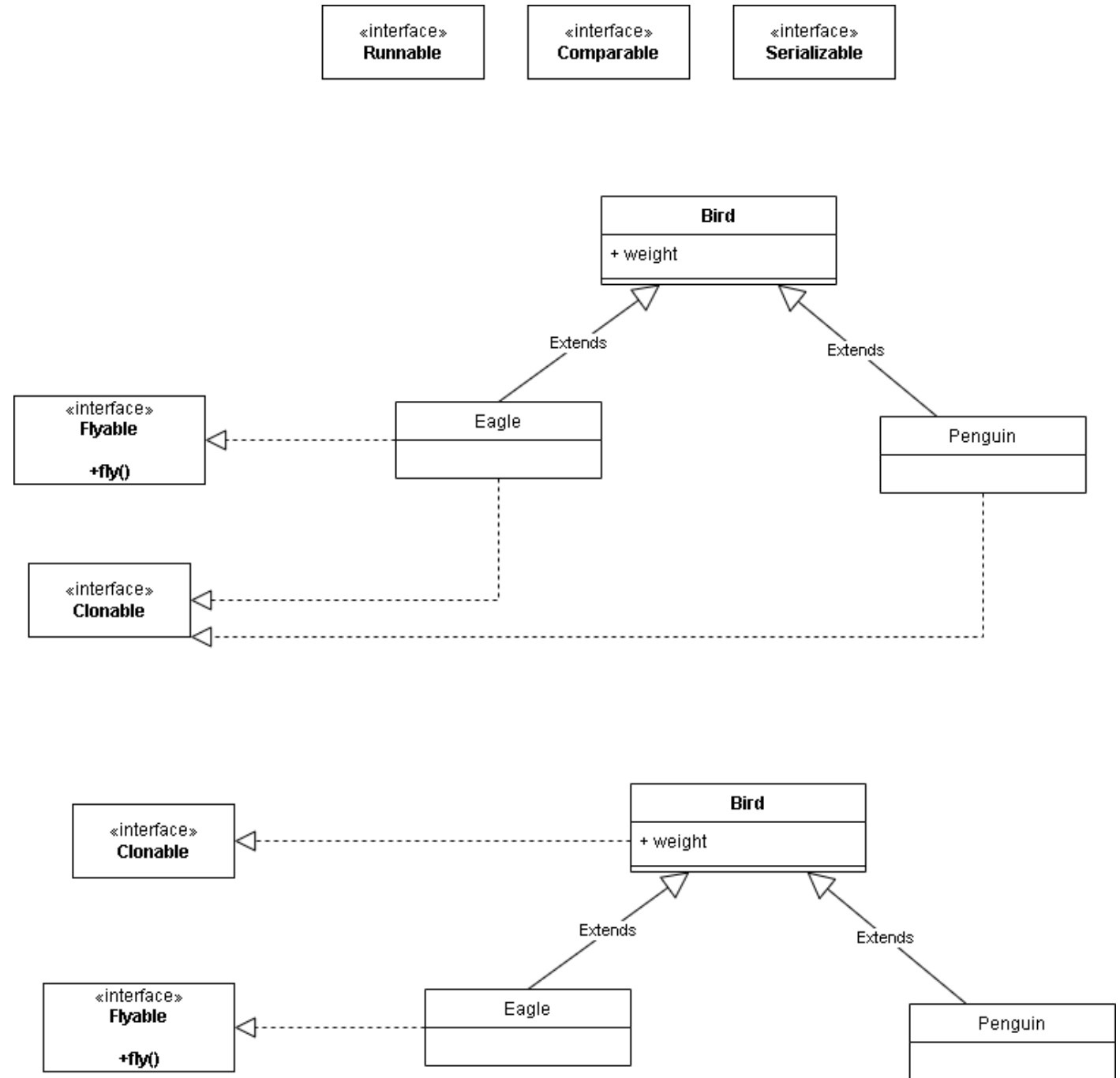
# Inheritance: reuse data and/or behavior



# Inheritance: diamond problem

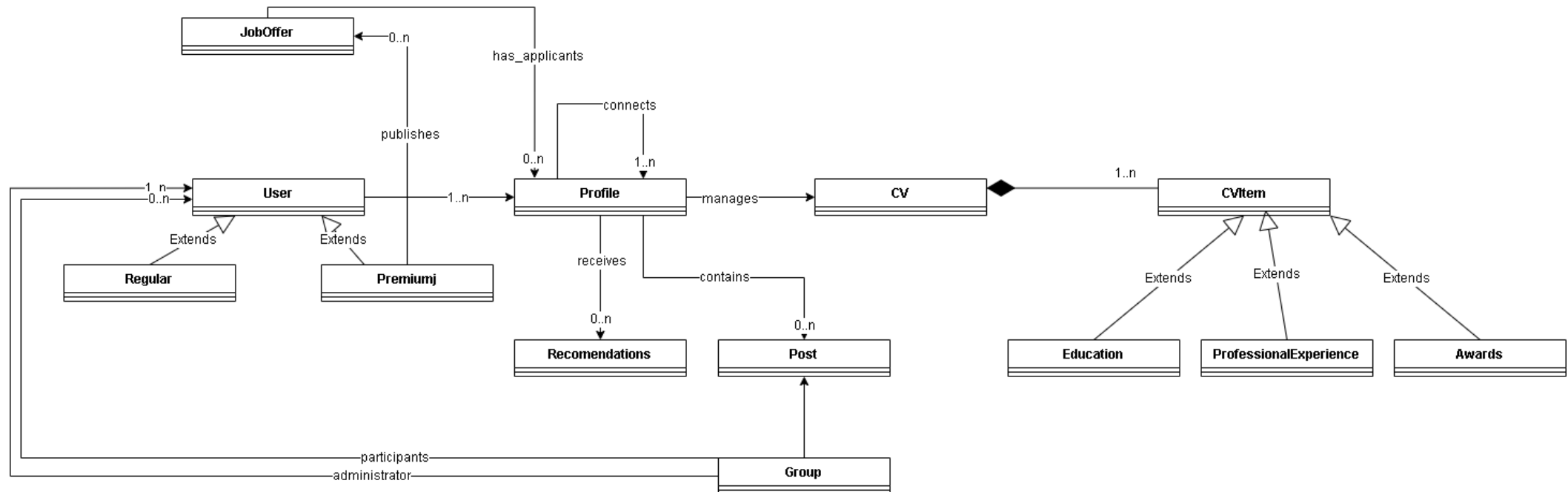


# Interface



# Linkedin: example

## Linkedin



# SOLID PRINCIPLES

The first five principles are principles of *class design*. They are:

<b>SRP</b>	The Single Responsibility Principle"	A class should have one, and only one, reason to change."
<b>OCP</b>	The Open Closed Principle	<i>You should be able to extend a classes behavior, without modifying it.</i>
<b>LSP</b>	The Liskov Substitution Principle	<i>Derived classes must be substitutable for their base classes.</i>
<b>ISP</b>	The Interface Segregation Principle	<i>Make fine grained interfaces that are client specific.</i>
<b>DIP</b>	The Dependency Inversion Principle	<i>Depend on abstractions, not on concretions.</i>

<http://butunclebob.com/ArticleS.UncleBob.PrinciplesOfOod>