

Implementing Class Inheritance



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Software Developer

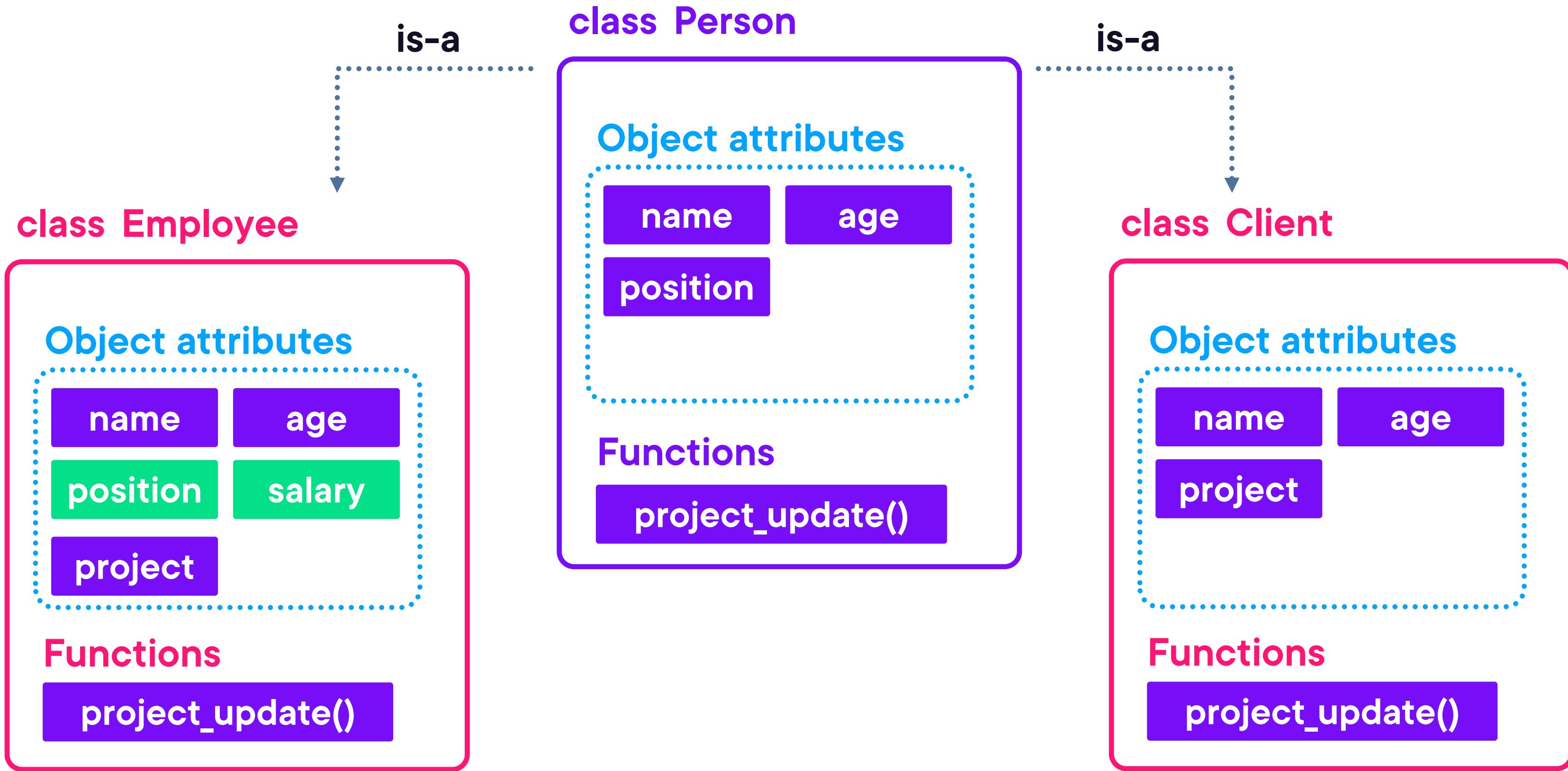
Don't Repeat Yourself (DRY)

“Every piece of knowledge must have a single, unambiguous, authoritative representation within a system.”

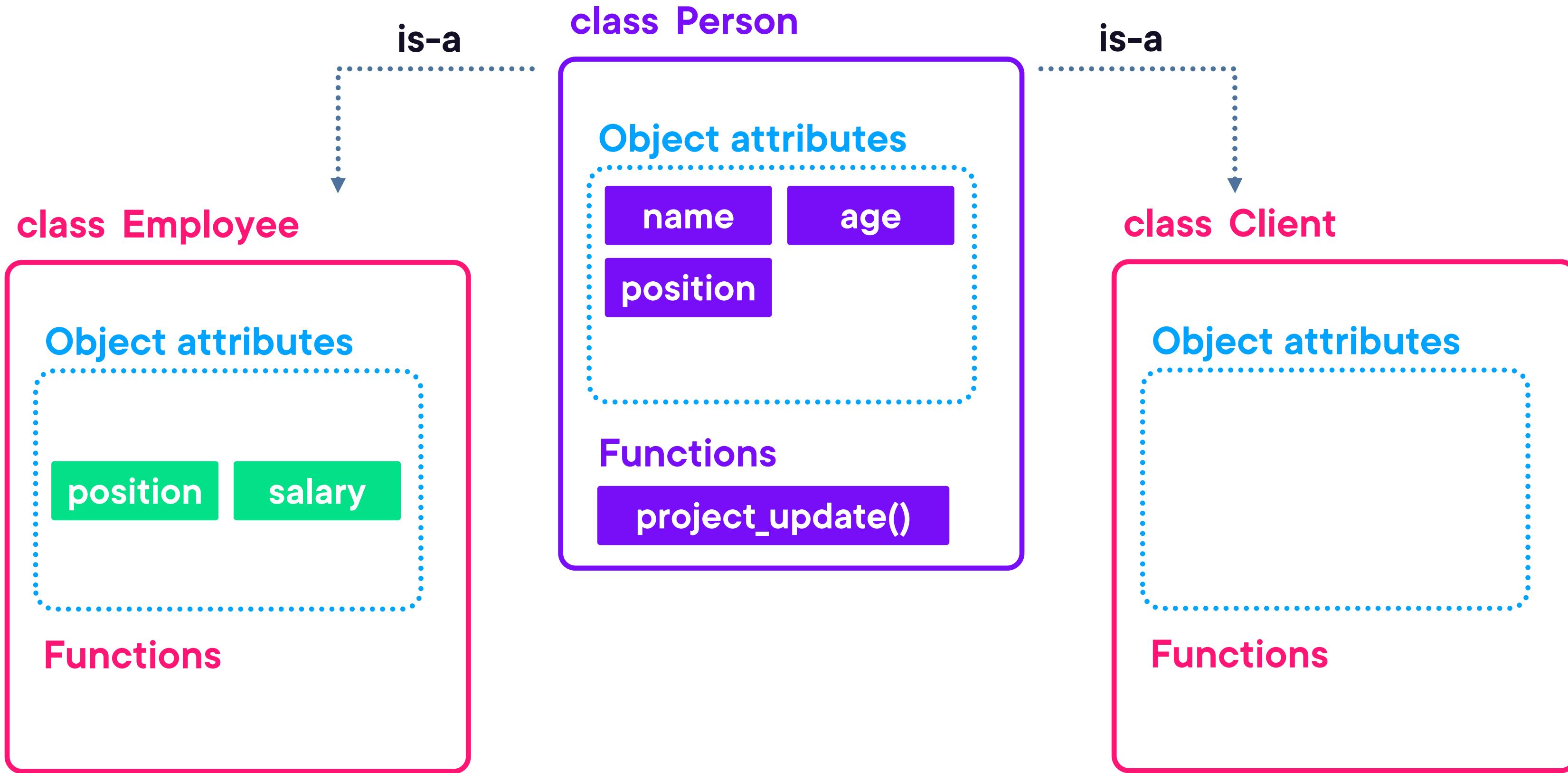
From "The Pragmatic Programmer" book by Andy Hunt and Dave Thomas



Class Inheritance



Class Inheritance



Class Inheritance

class Employee

Derived Class

Child Class

Subclass

class Person

Base Class

Parent Class

Superclass

class Client

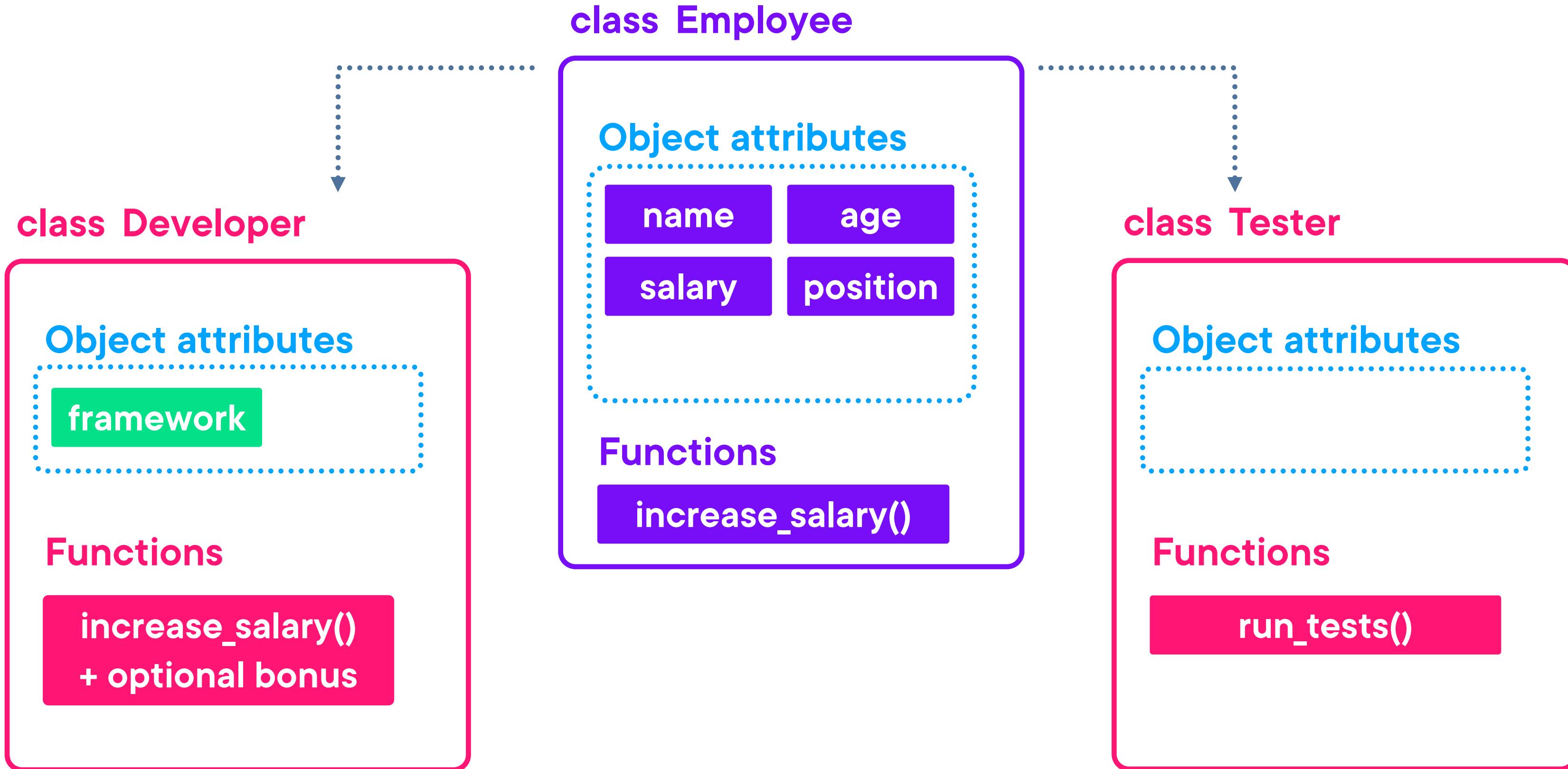
Derived Class

Child Class

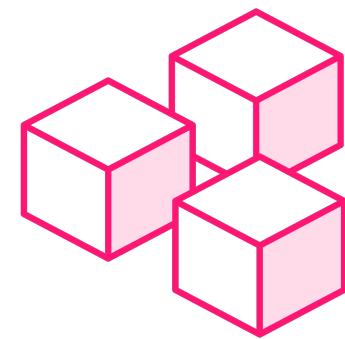
Subclass



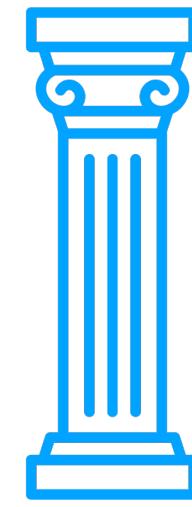
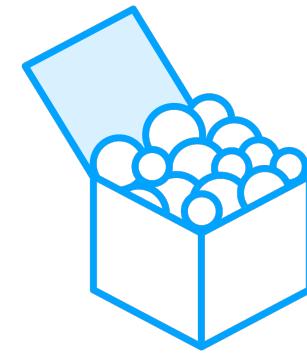
Class Inheritance



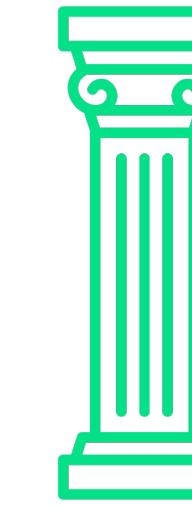
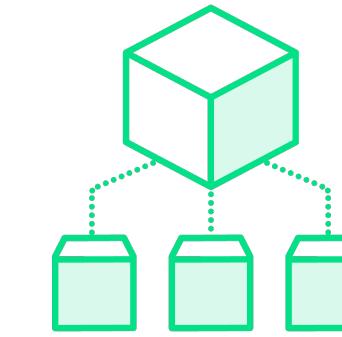
Pillars of Object-Oriented Programming



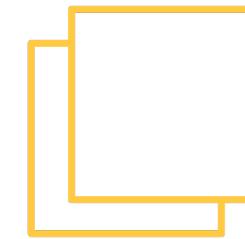
Abstraction



Encapsulation



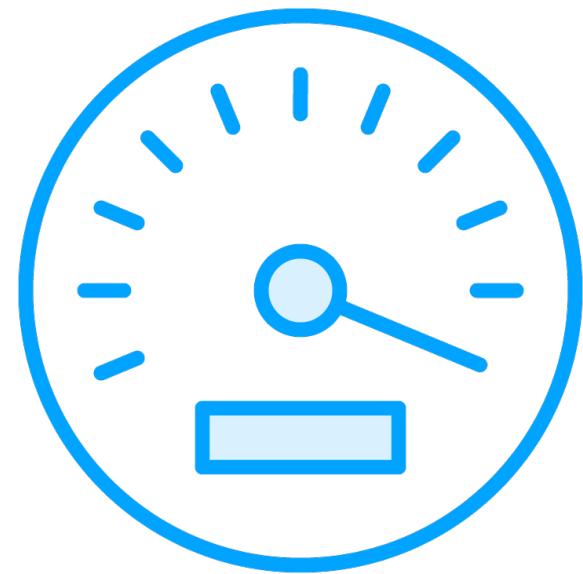
Inheritance



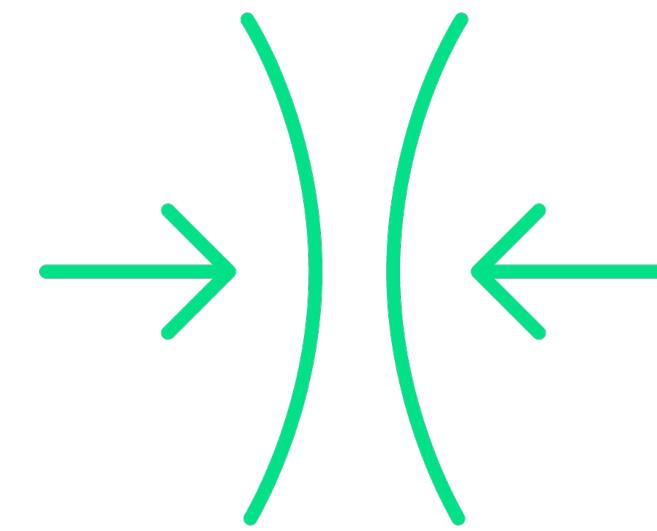
Polymorphism



Slots



Faster Attribute Access



Reduced Memory Overhead



Summary

Up Next:

Accessing Class Attributes and Methods

