

EAPLI

Introdução Arquitetura

Paulo Gandra de Sousa
pag@isep.ipp.pt

Object's lifecycle

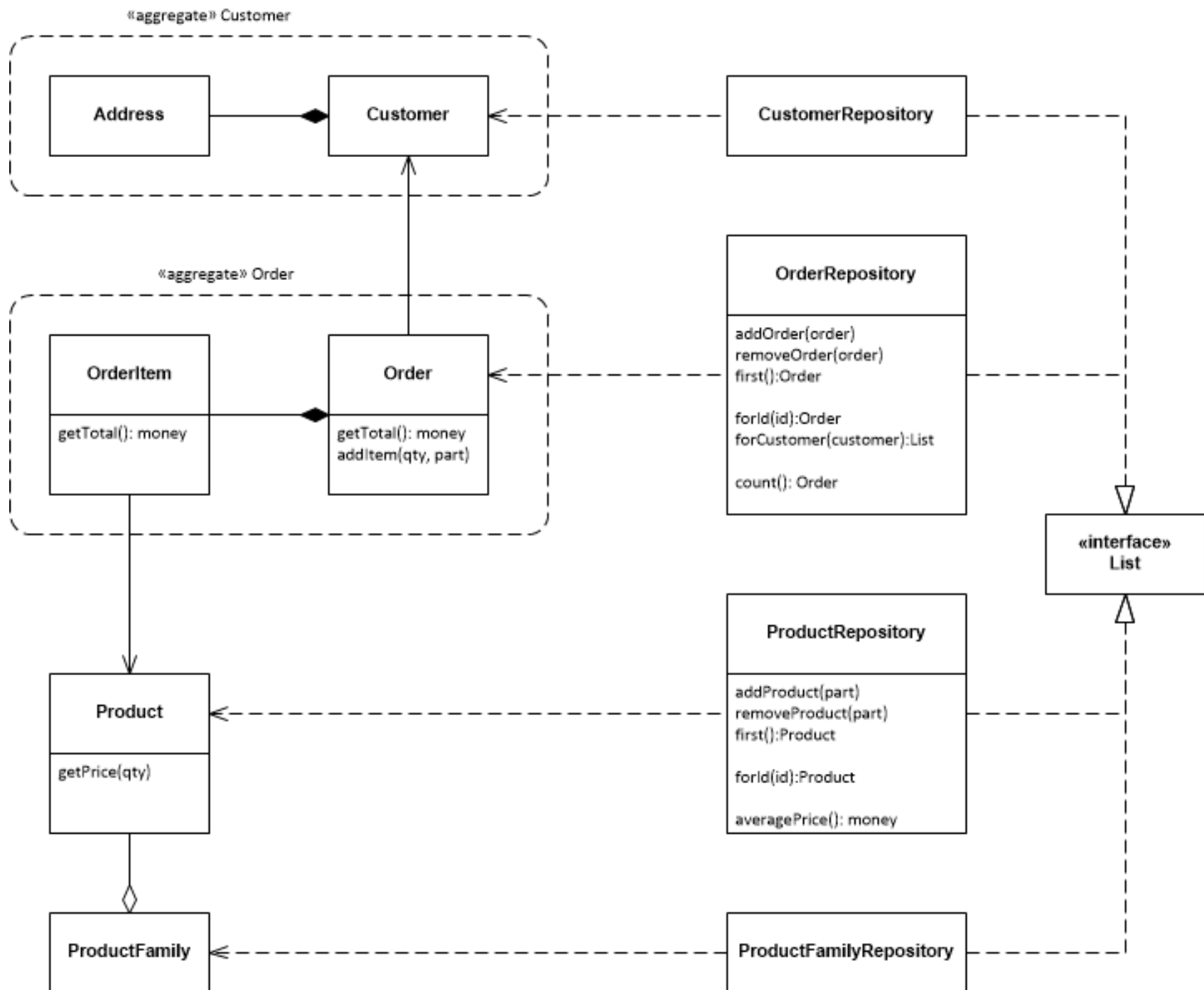
1. An object is created
2. The object is used
3. It must be persisted for later use
4. Later, the object is reconstructed from persistence
5. It is used (provably changed)
6. It is stored back again for later use
7. ...

Factory

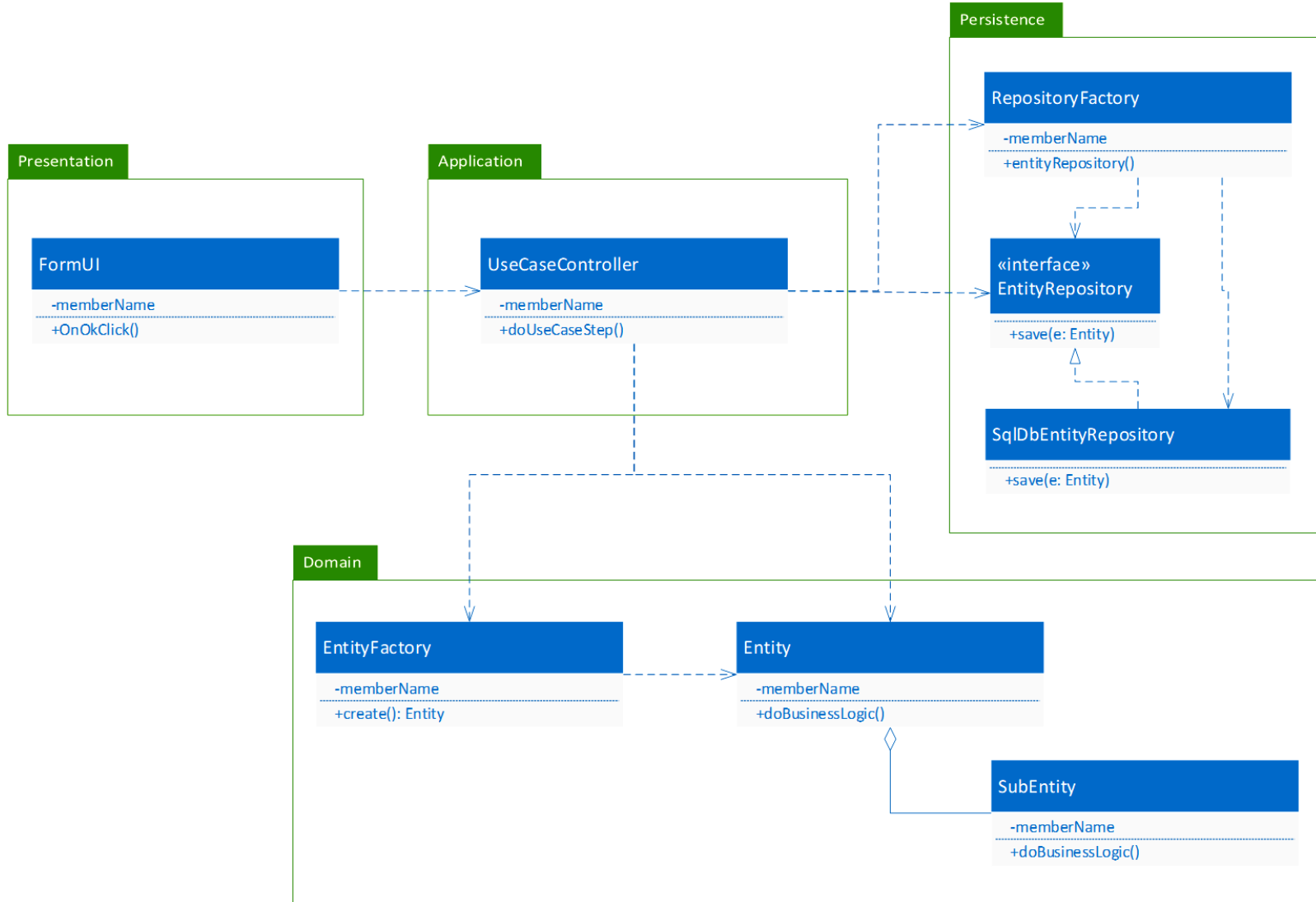
When creation of an entire, internally consistent aggregate, or a large value object, becomes complicated or reveals too much of the internal structure, factories provide encapsulation.

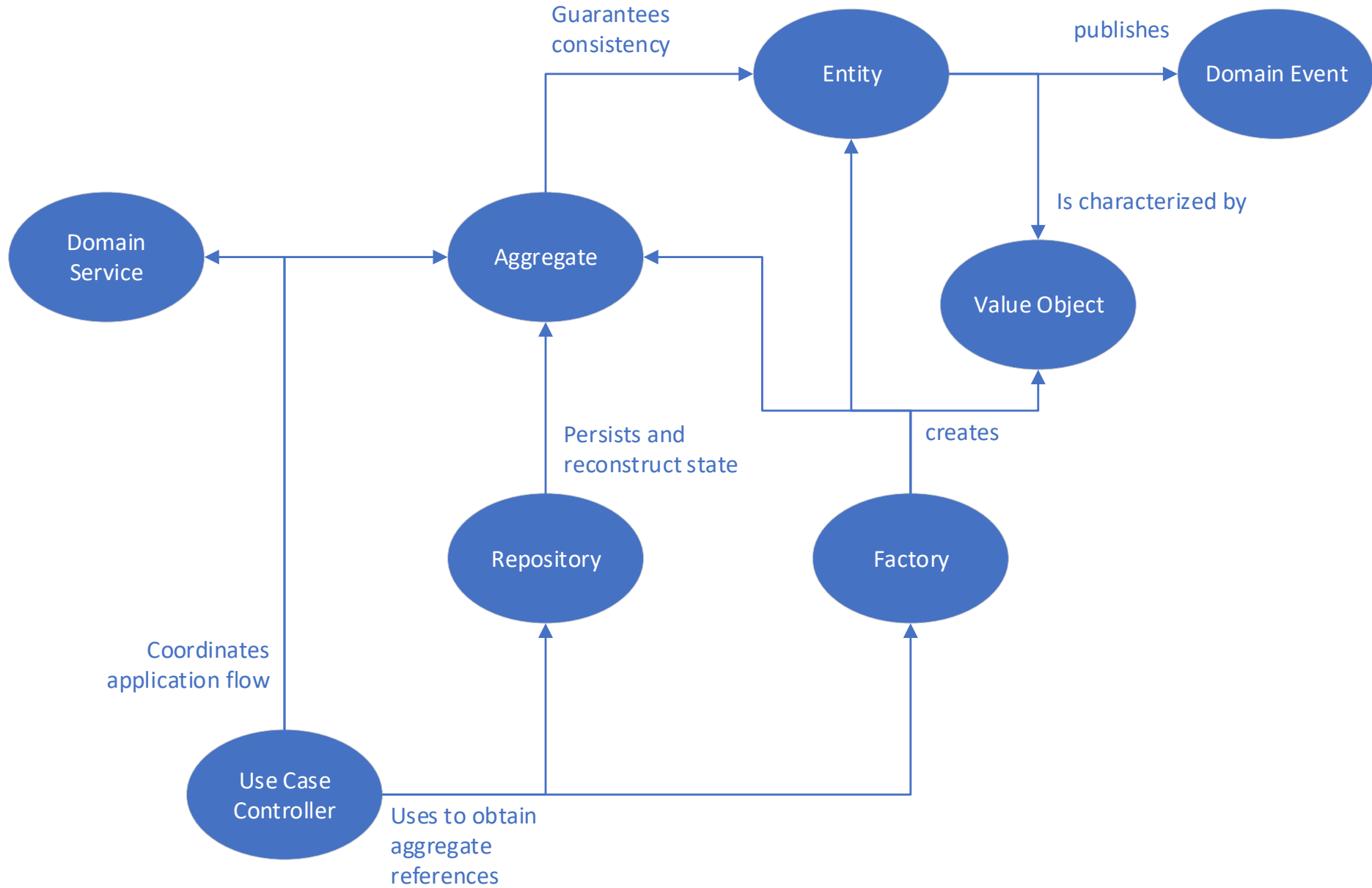
Repository

- Problem:
 - Como esconder os pormenores de persistir e reconstruir objetos do resto do código?
- Solution:
 - Abstrair a persistência numa classe Repositório que se *comporta* como uma lista
 - Criar um repositório por “agregado”



Arquitetura modelo





Bibliografia

- Domain Driven Design (2004). Eric Evans
- Domain Driven Design reference (2011). Eric Evans.
http://domainlanguage.com/ddd/patterns/DDD_Reference_2011-01-31.pdf
- Implementing Domain Driven Design (2013). Vernon Vaughn.
- Services in Domain Driven Design (2008) Jimmy Bogard.
<http://lostechies.com/jimmybogard/2008/08/21/services-in-domain-driven-design/>
- Effective aggregate Design (2011) Vernon Vaughn.
http://dddcommunity.org/library/vernon_2011/
- Design Patterns-Elements of Reusable Object-oriented Software, Gamma et al. (Gang of Four)