EAPLI

Um pouco mais sobre o Domínio

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Service

Problem:

 Some business operations are not naturally placed in a certain domain object

Solution:

 Create a service object that handles only that operation and coordinates the necessary domain objects.



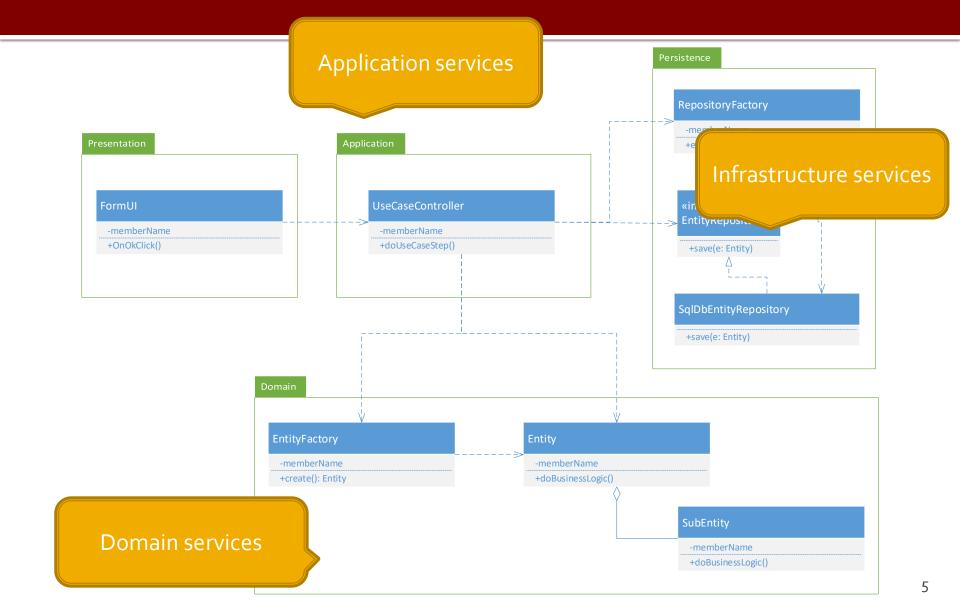
Service: example

Money transfer between two accounts:

Domain, Application and Infrastructure Services

- Domain
 - Coordinate domain activities
- Infrastructure
 - Provide infrastructure functionality hiding the details (and decoupling) from the domain
 - E.g., persistence, email
- Application
 - The interface to the domain layer
 - May have transactional control and access control

Sterotypical architecture



Entities, Value objects and Aggregates are about things

- Services are about operations
- But, what happens in the system is also important.



Domain Event

Some things that happen in the domain are worth noting.

Therefore

 Model activity in the domain as a series of discrete events represented as a domain object.



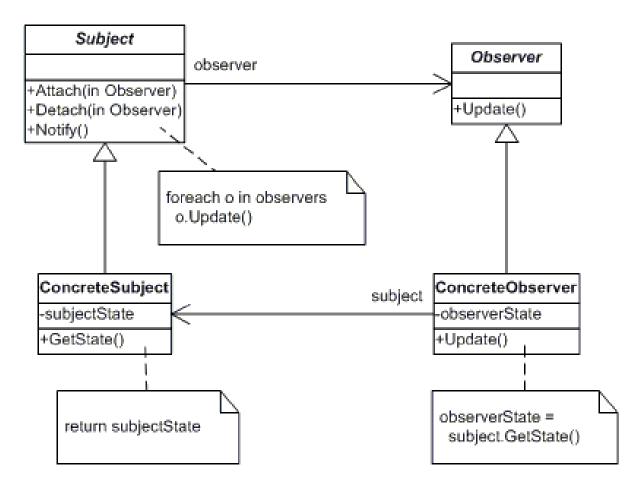
Observer

 A domain event might be of interest to some object.

Therefore

 Make the interested object an observer of the event's issuing party.

Observer

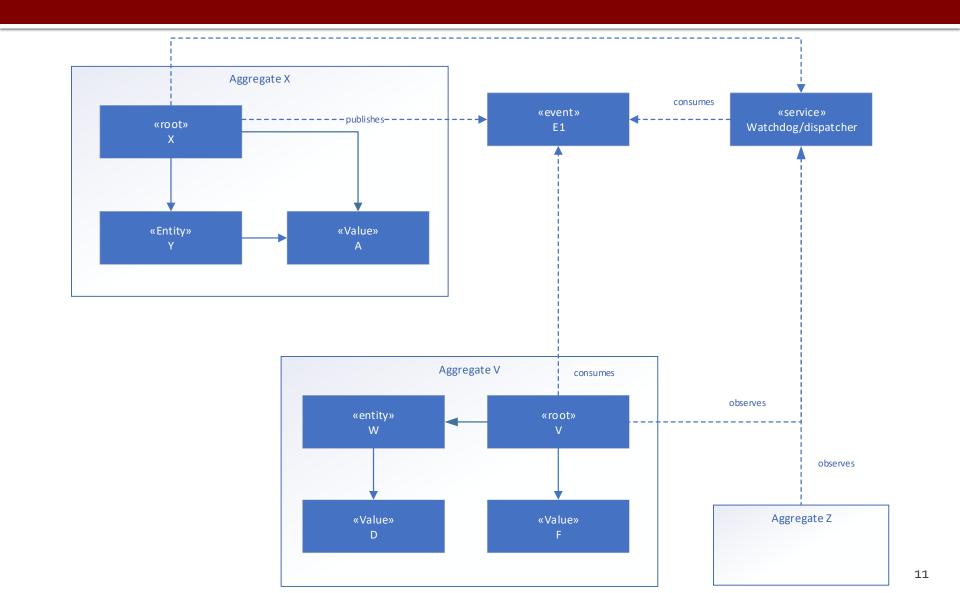


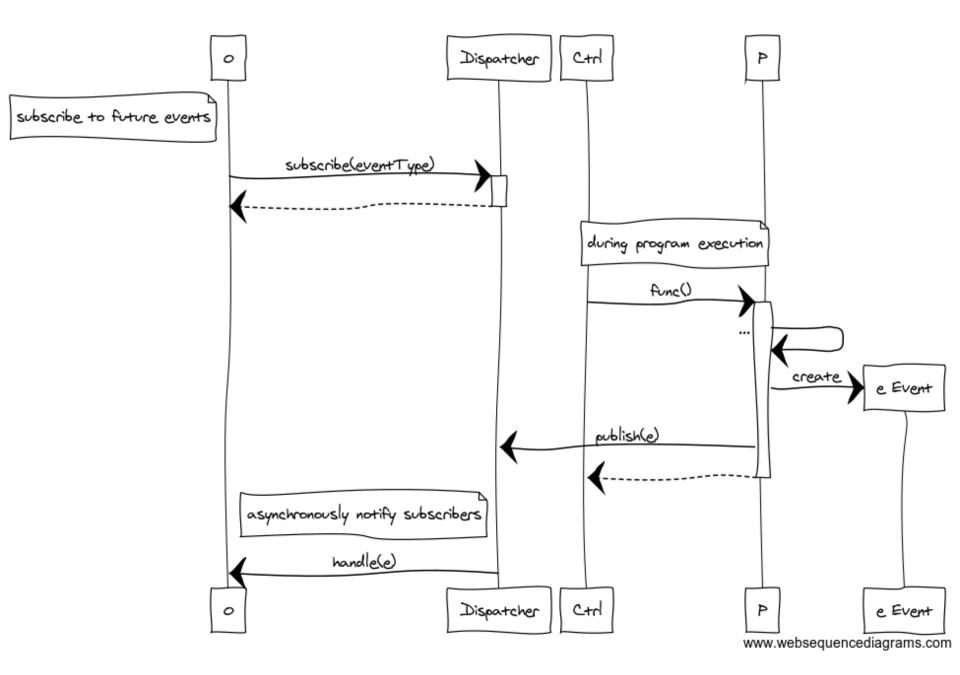
fonte: Design Patterns: Elements of Reusable Object-Oriented Software

Observer in DDD

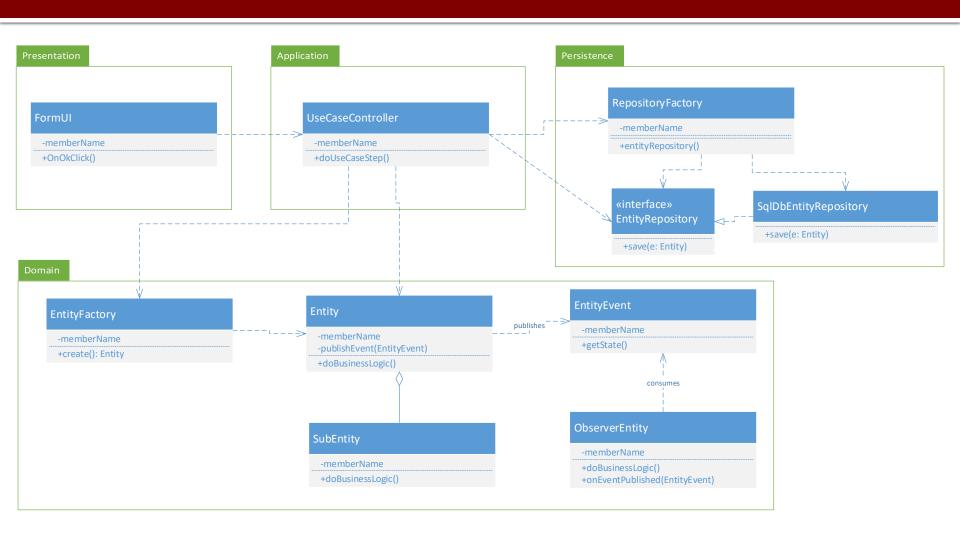
- A nice "global" Watchdog
 - Event dispatcher
- Perfect for publish-subscribe technologies
 - Specially for out of process observers

"Watchdog"





Sterotypical architecture



Bibliografia

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- Services in Domain Driven Design (2008) Jimmy Bogard. <u>http://lostechies.com/jimmybogard/2008/08/21/services-in-domain-driven-design/</u>
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- Design Patterns-Elements of Reusable Object-oriented Software, Gamma et al. (Gang of Four)