



JAKARTA EE

Applied Domain-Driven Design Blueprints for Jakarta EE

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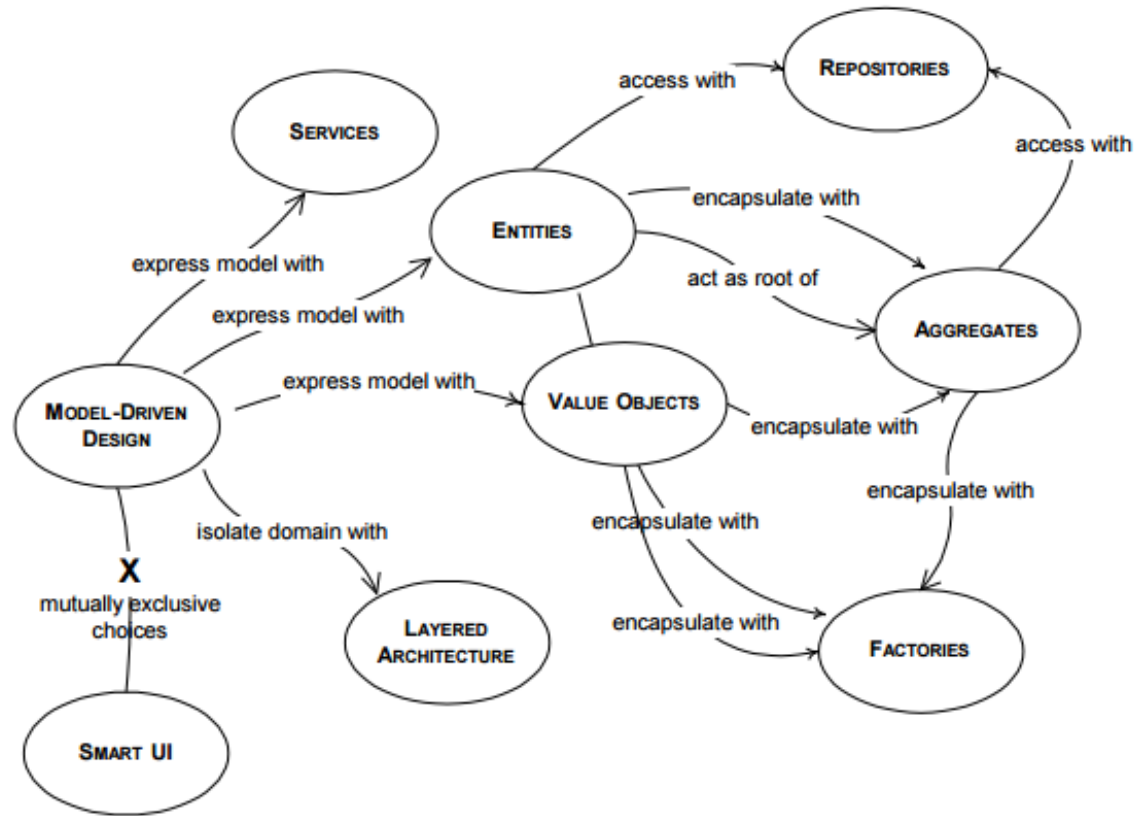
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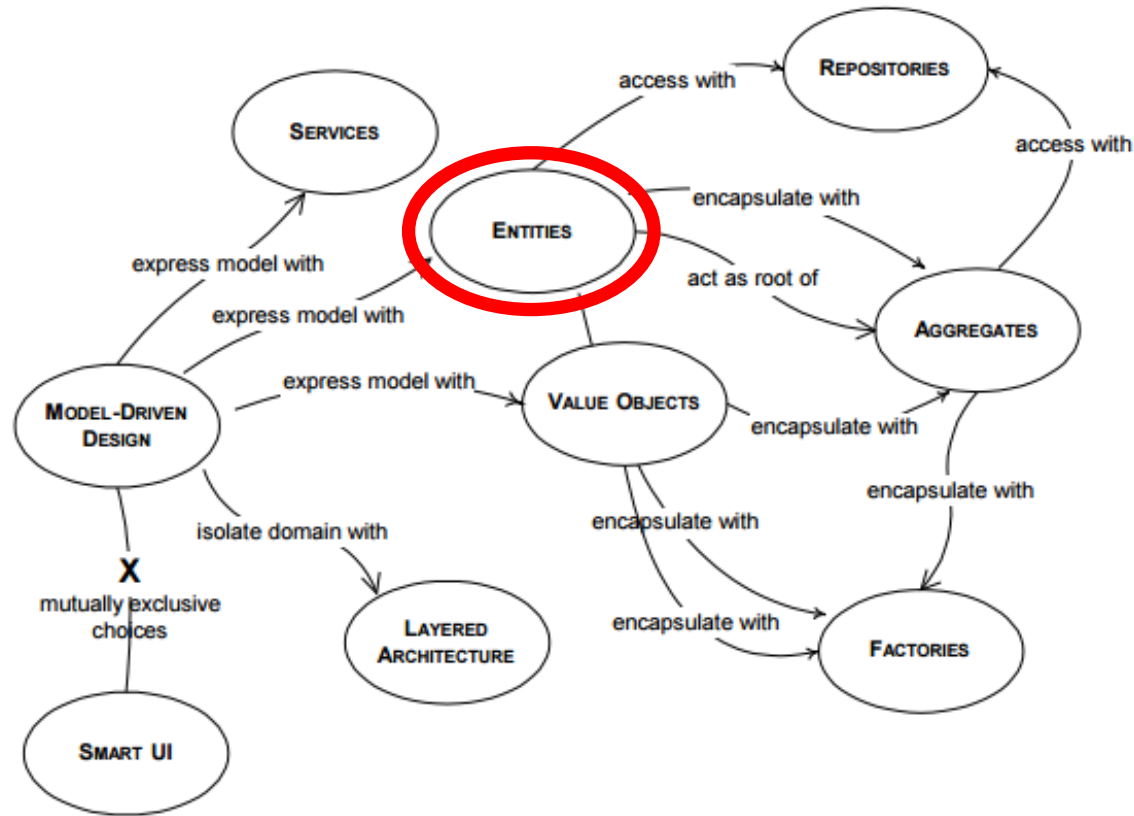
The Cargo Tracker Project

- J2EE popularized the idea of server-side architectures
 - J2EE Blueprints (aka “Java Pet Store”)
- J2EE Blueprints had profound impact, but not without its problems
 - Many of the paradigms are alive and well even today
 - Encumbered by the immaturity of the technology/industry
- Domain-Driven Design (DDD) emphasizes a return to the roots of object-oriented analysis and design
- Jakarta EE’s lightweight programming model fits DDD philosophy well
 - The Cargo Tracker project completes the circle

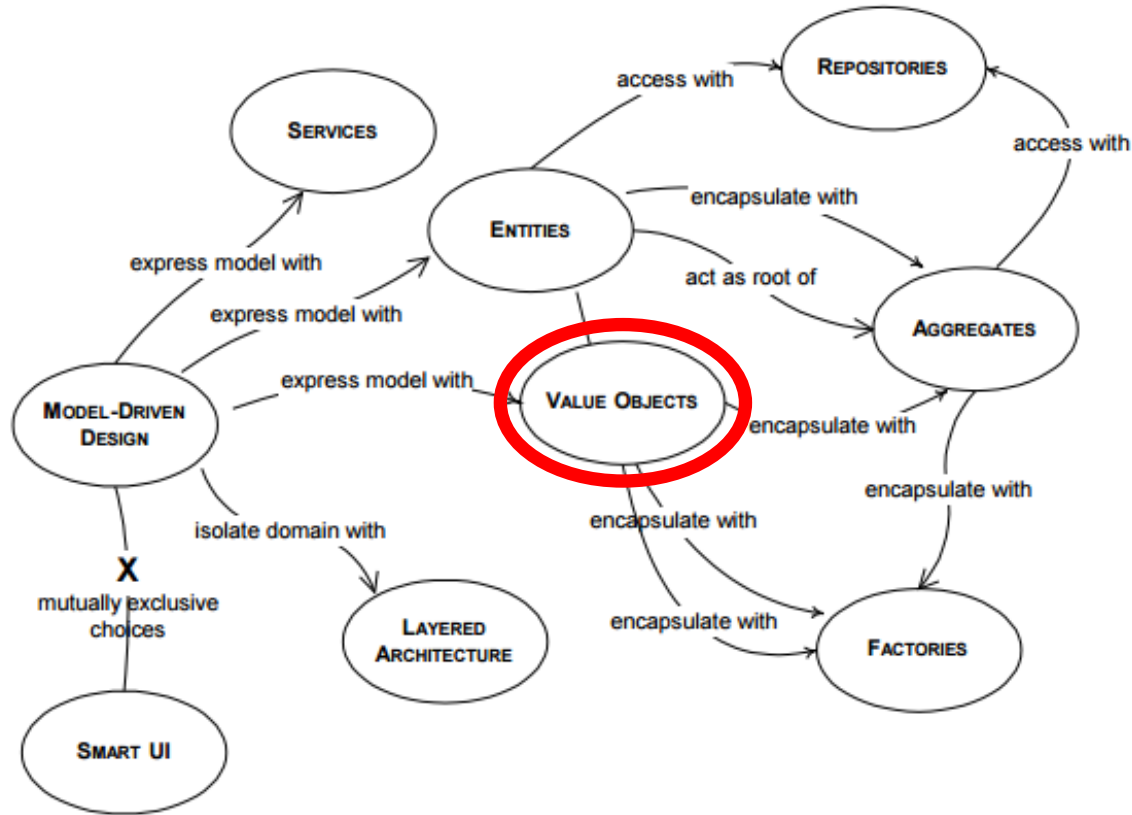
The Building Blocks



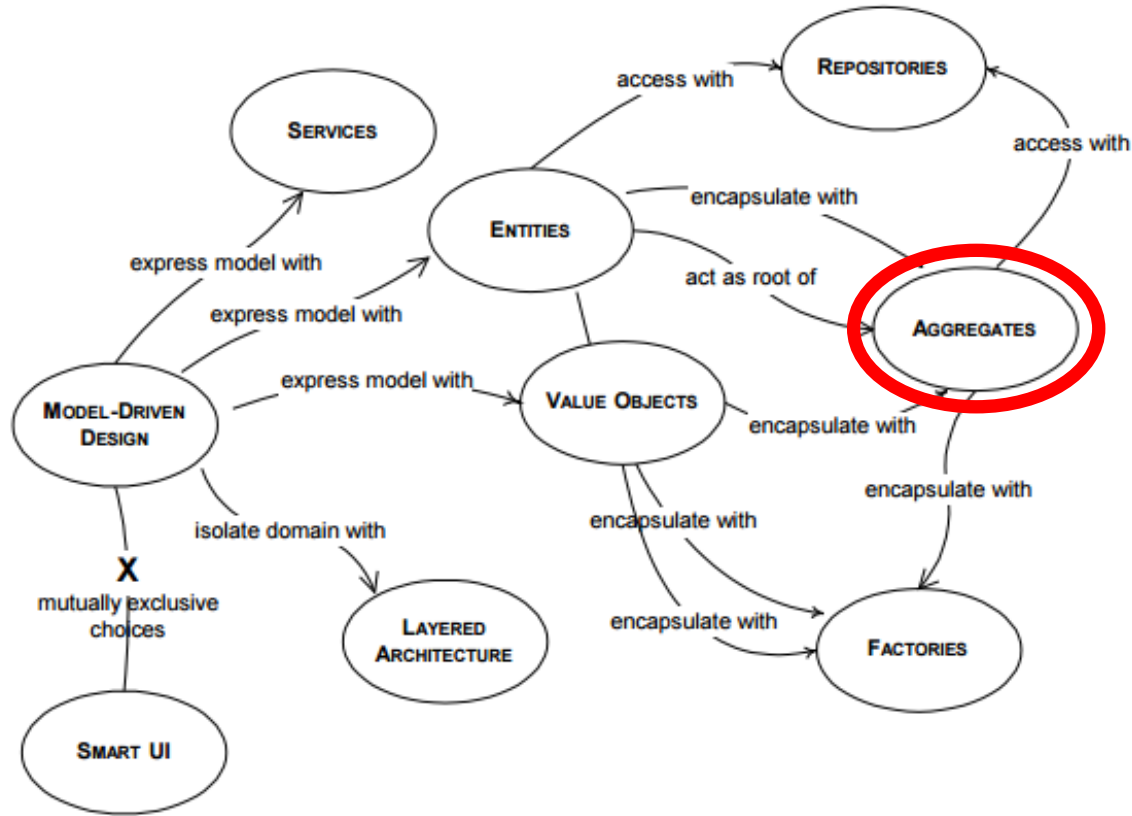
Entities



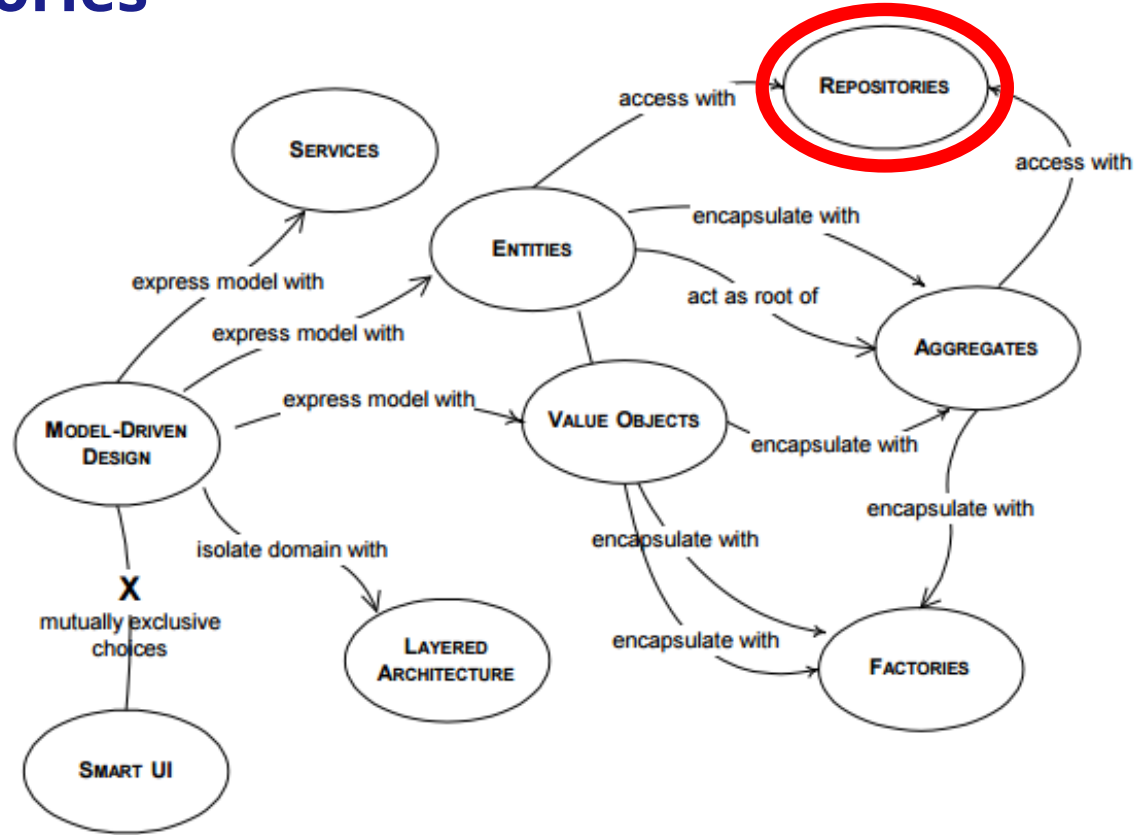
Value Objects



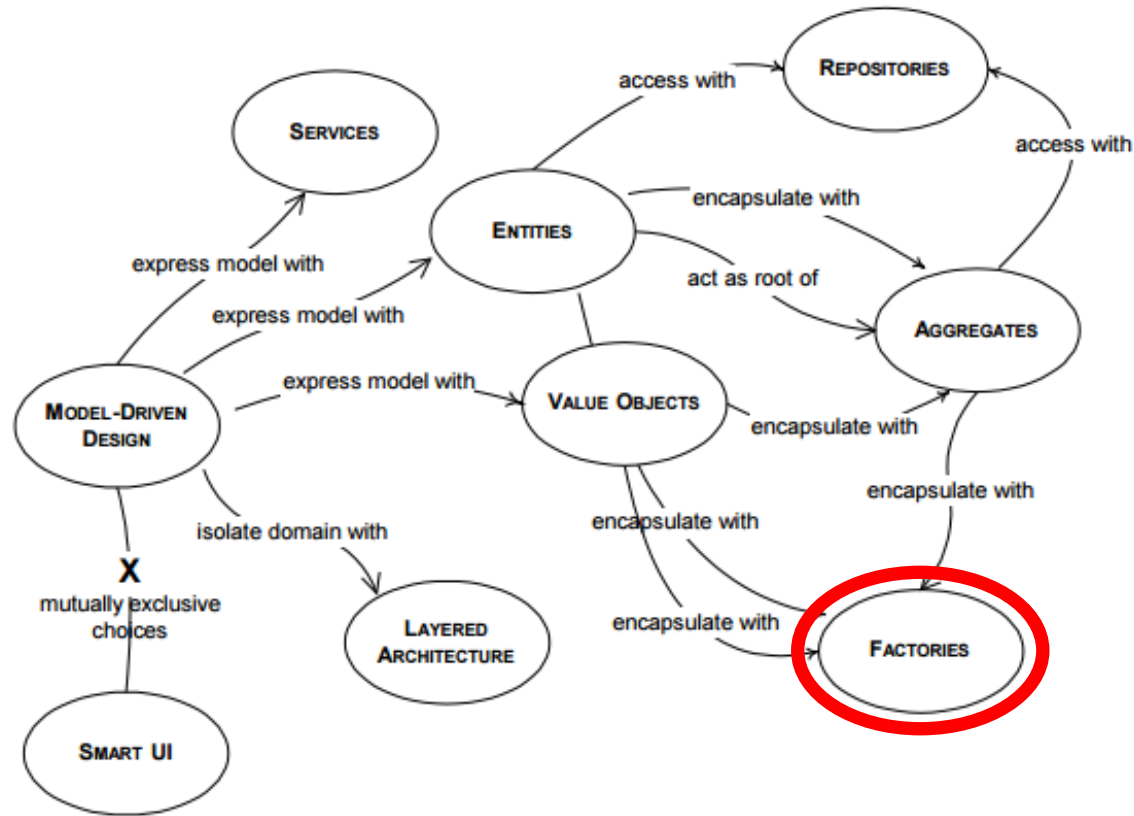
Aggregates



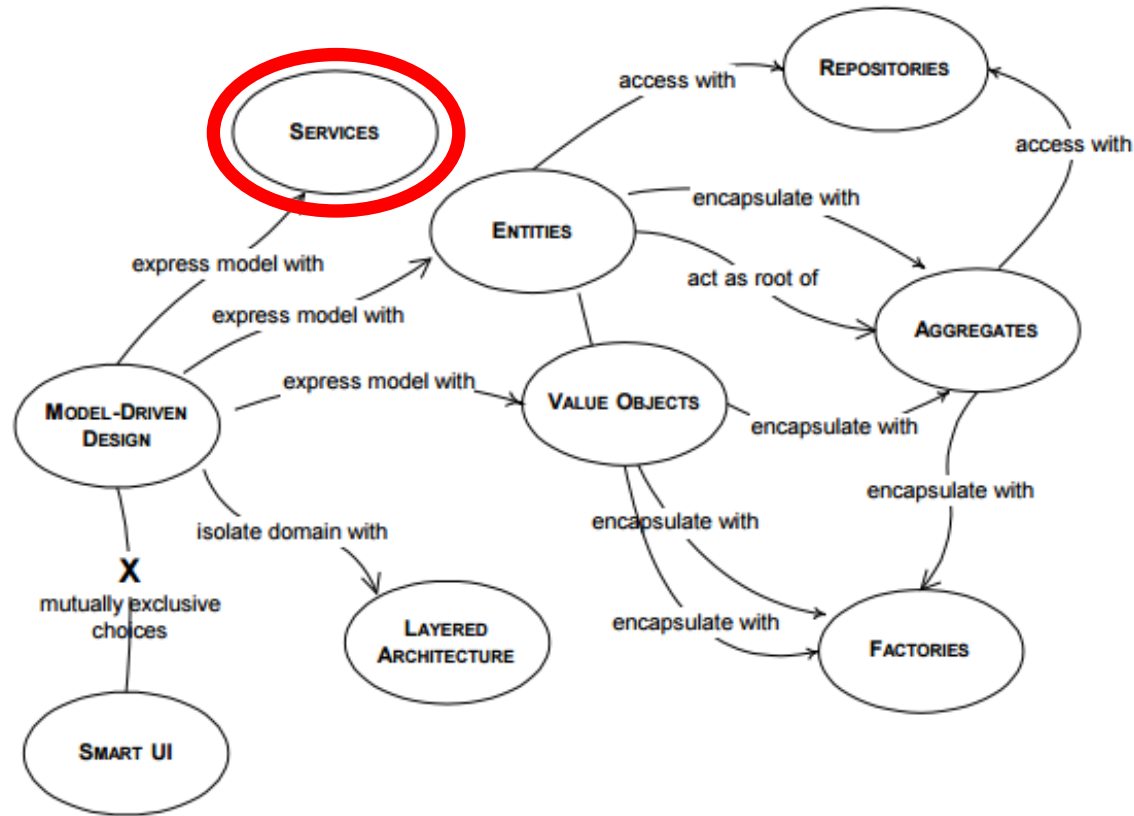
Repositories



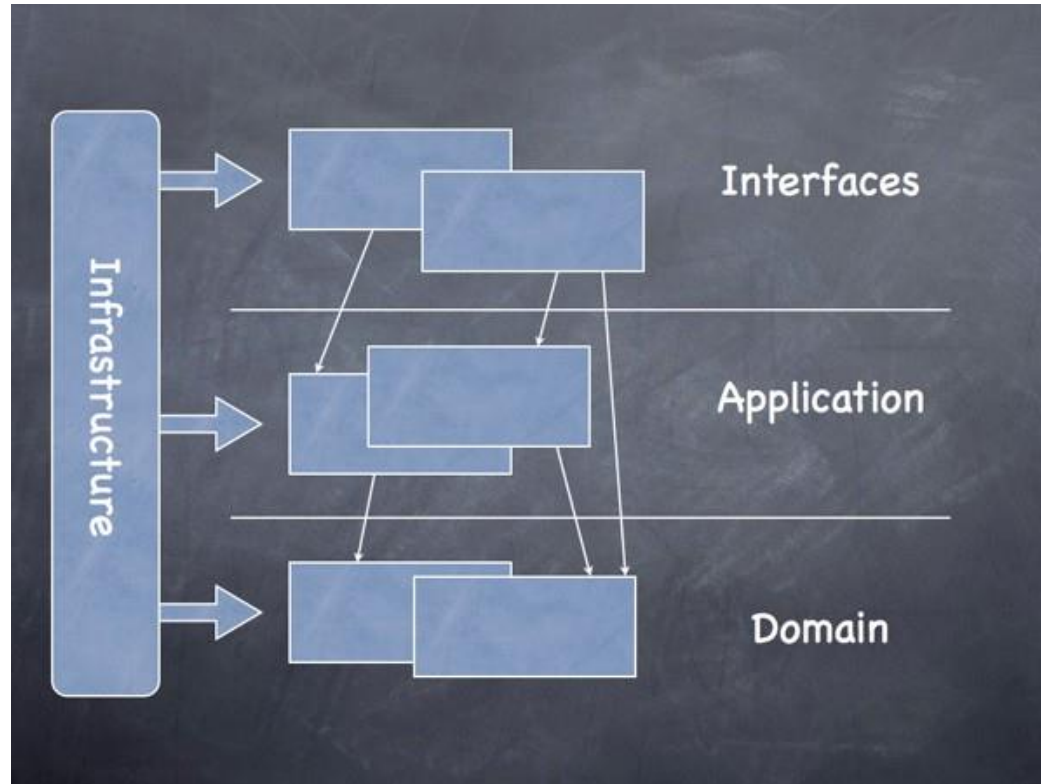
Factories



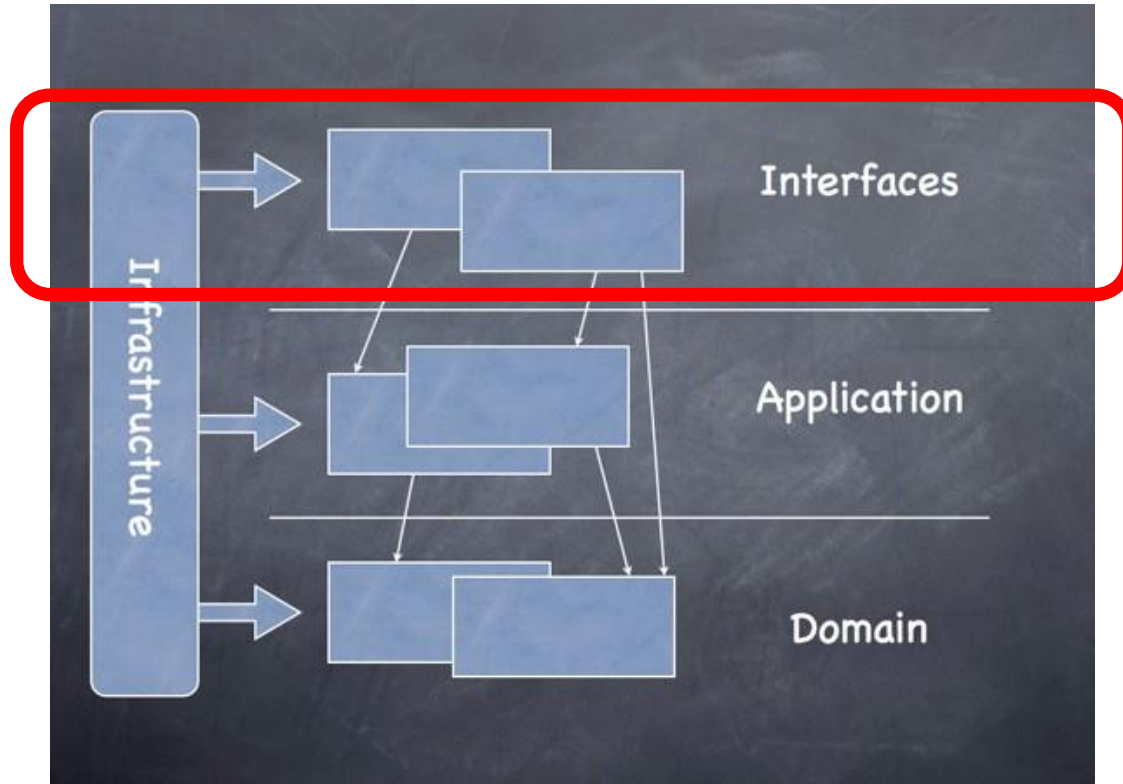
Services



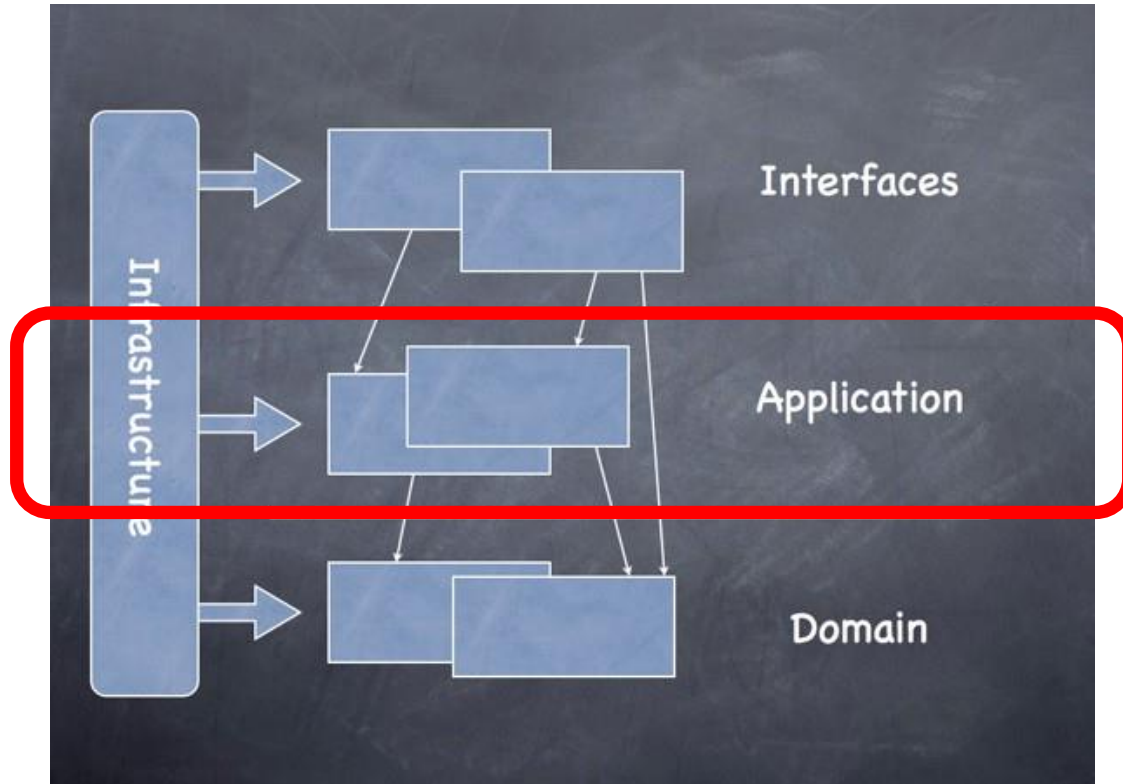
Separating Concerns



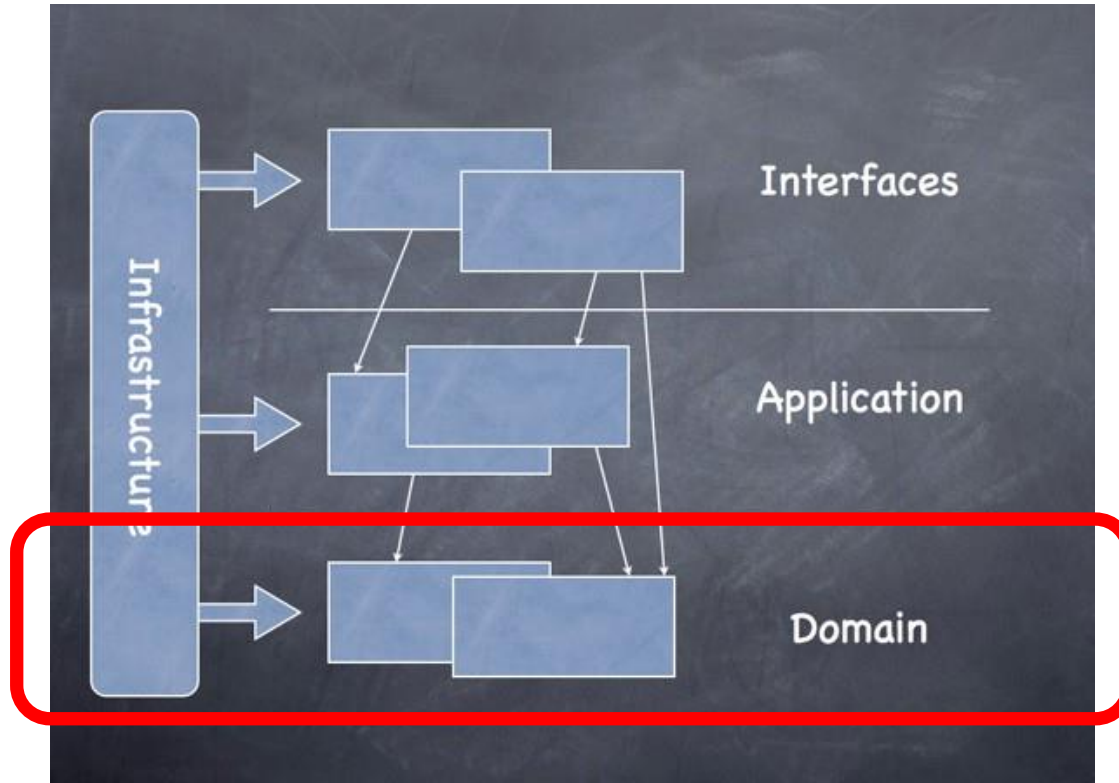
Interface Layer



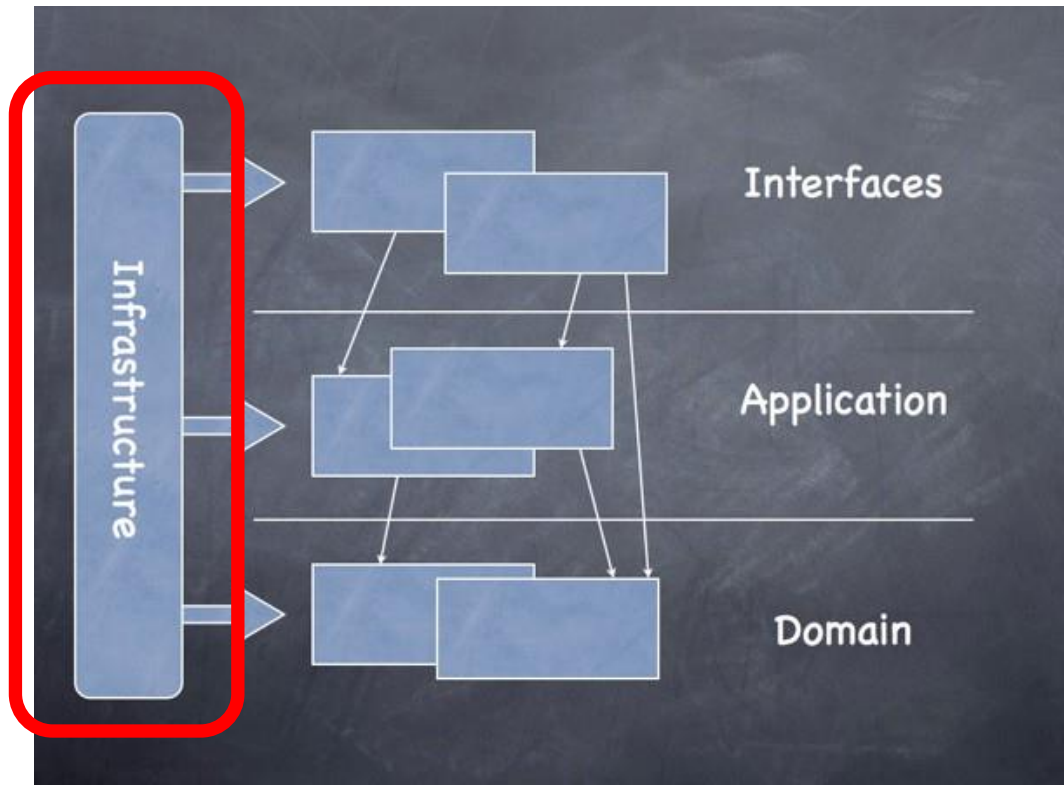
Application Layer



Domain Layer



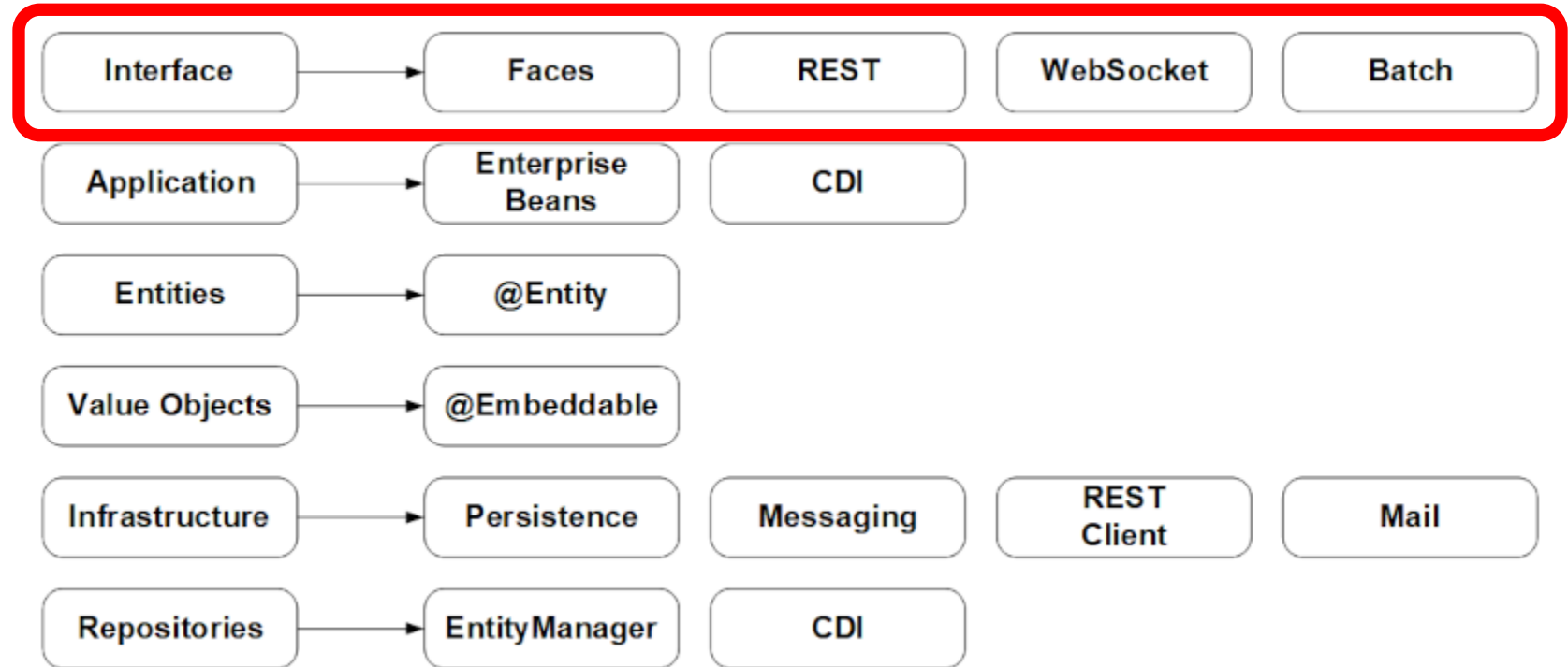
Infrastructure



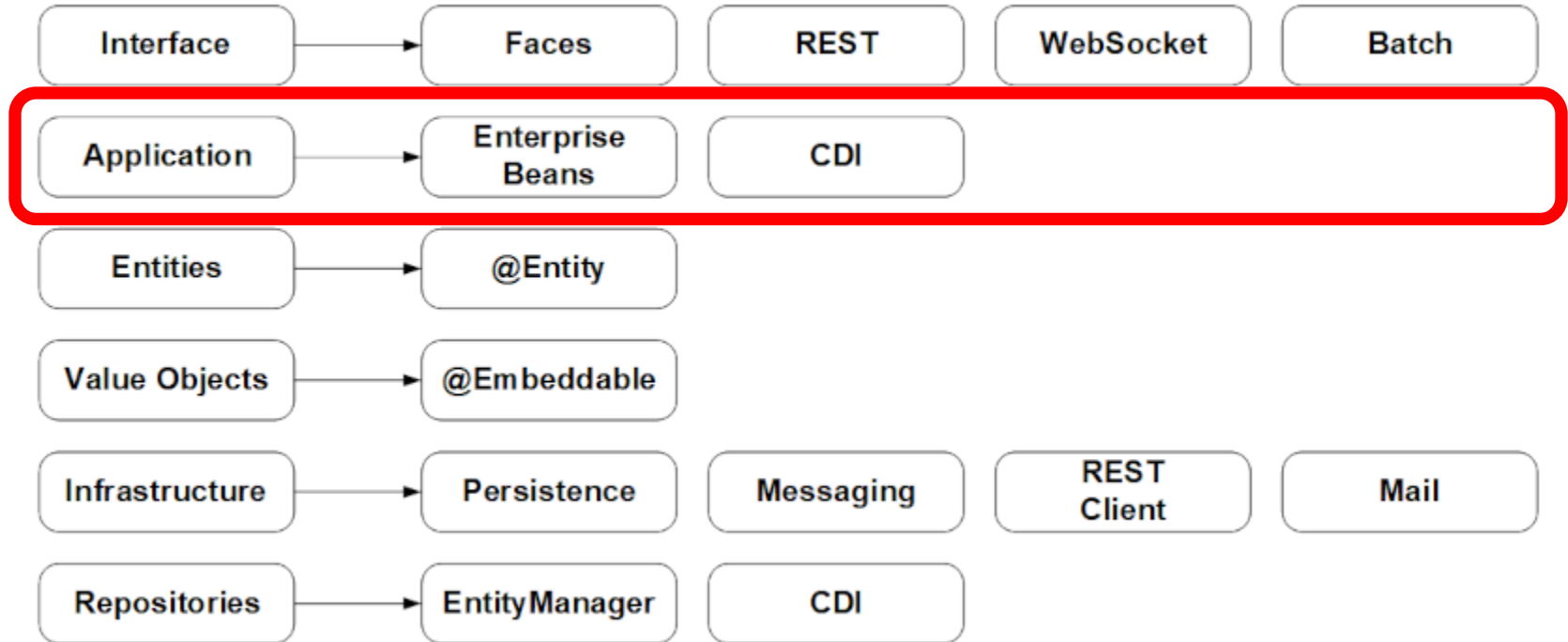
Mapping DDD to Jakarta EE



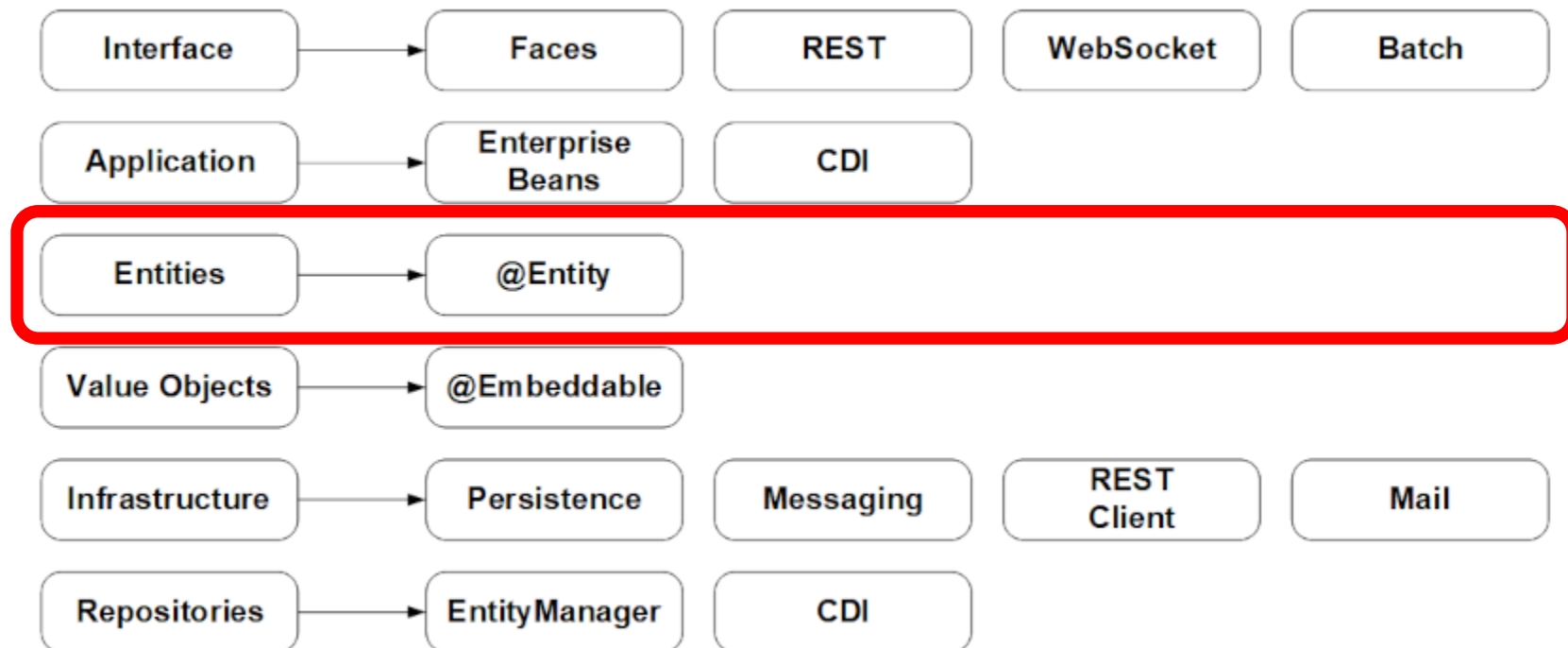
Interfaces



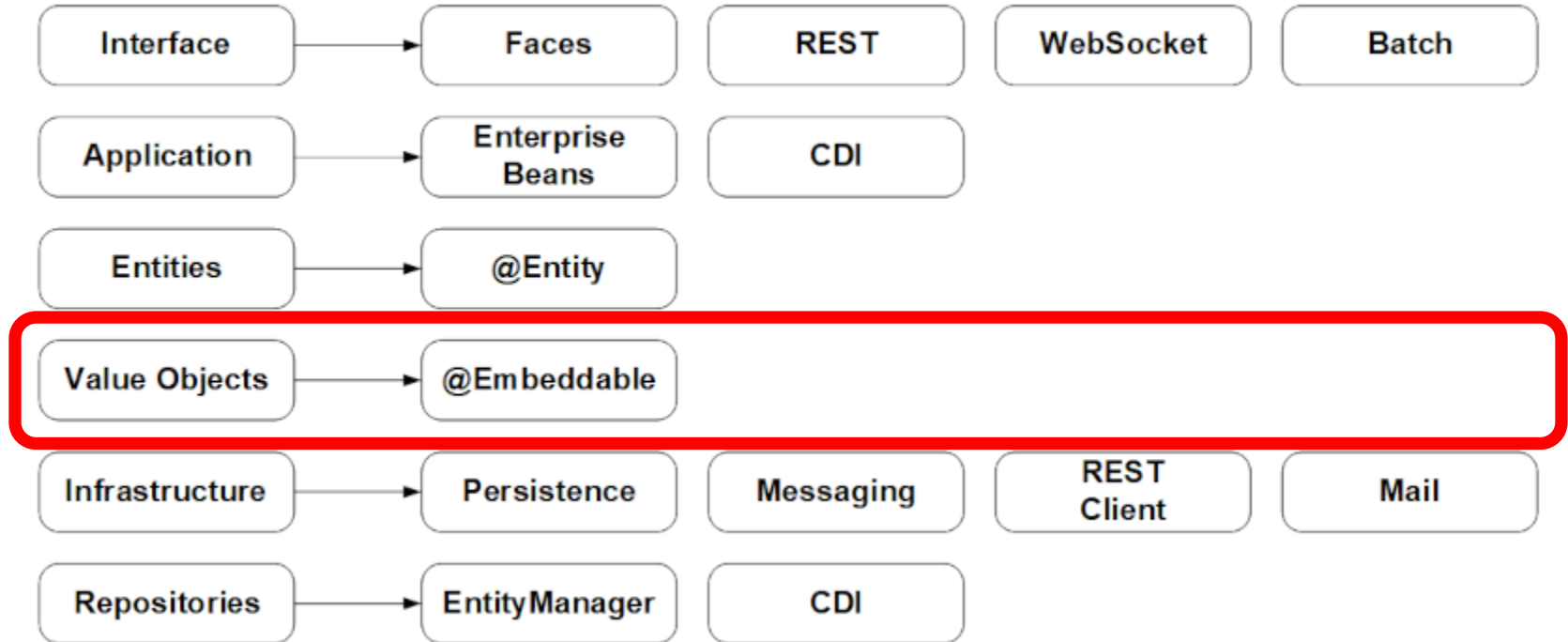
Application Layer



Entities



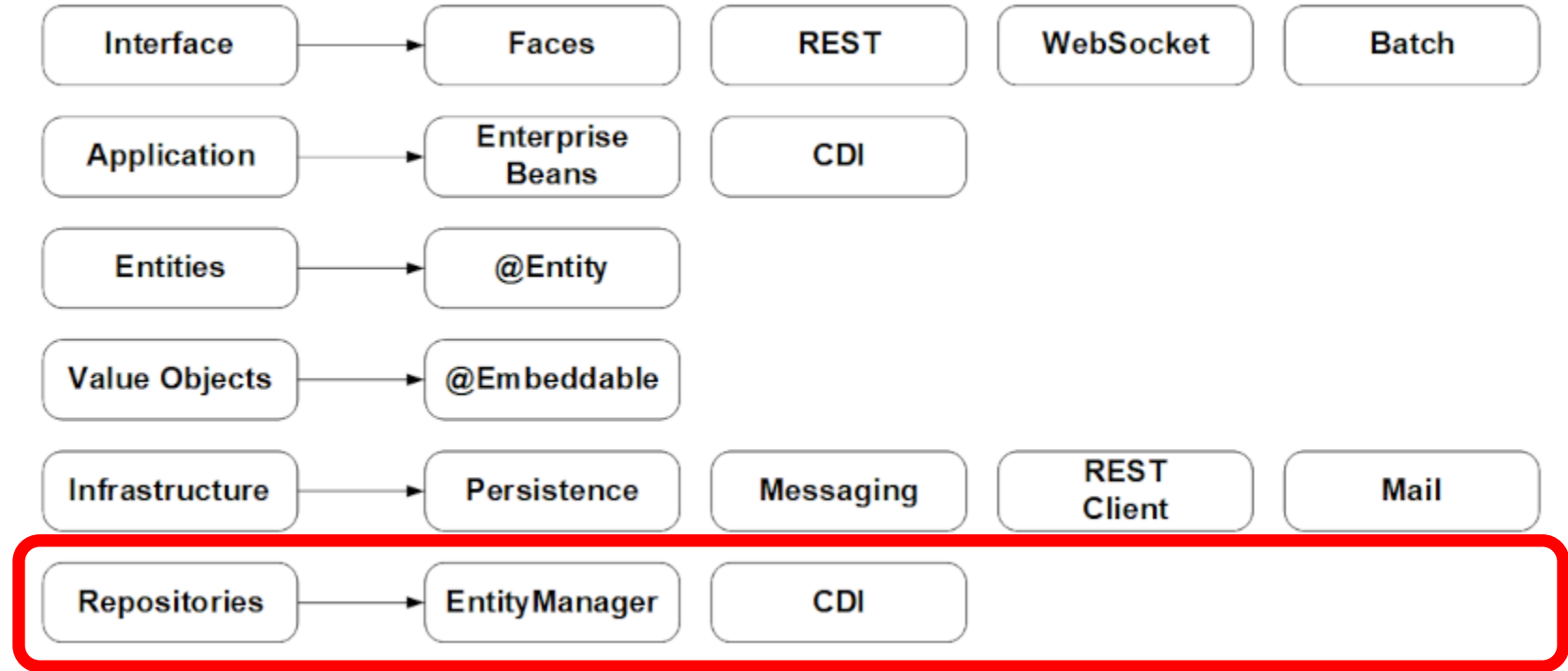
Value Objects



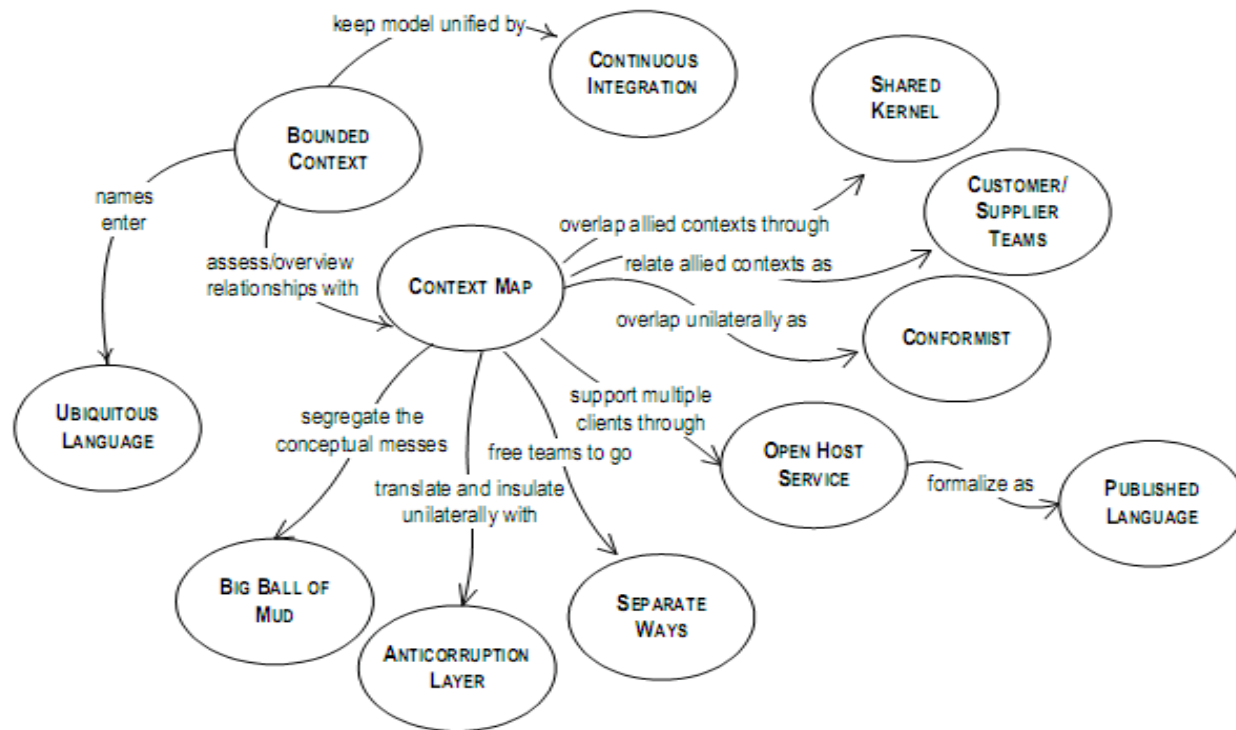
Infrastructure



Repositories



Bounded Context



Jakarta EE + DDD in Action



<https://eclipse-ee4j.github.io/cargotracker/>



Summary

- DDD great architectural blueprint for Java applications
- Jakarta EE very natural fit for DDD
- Cargo Tracker great place to get started with DDD and Jakarta EE

Resources

- Cargo Tracker
 - <https://eclipse-ee4j.github.io/cargotracker/>
- Getting Started with Domain-Driven Design
 - <https://dzone.com/refcardz/getting-started-domain-driven>
- Domain-Driven Design Quickly
 - <http://www.infoq.com/minibooks/domain-driven-design-quickly>
- Jakarta EE Tutorial
 - <https://eclipse-ee4j.github.io/jakartaee-tutorial/>
- Jakarta EE Examples
 - <https://github.com/eclipse-ee4j/jakartaee-examples/>

Thank you!

