

Domain-centric Architecture



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Overview



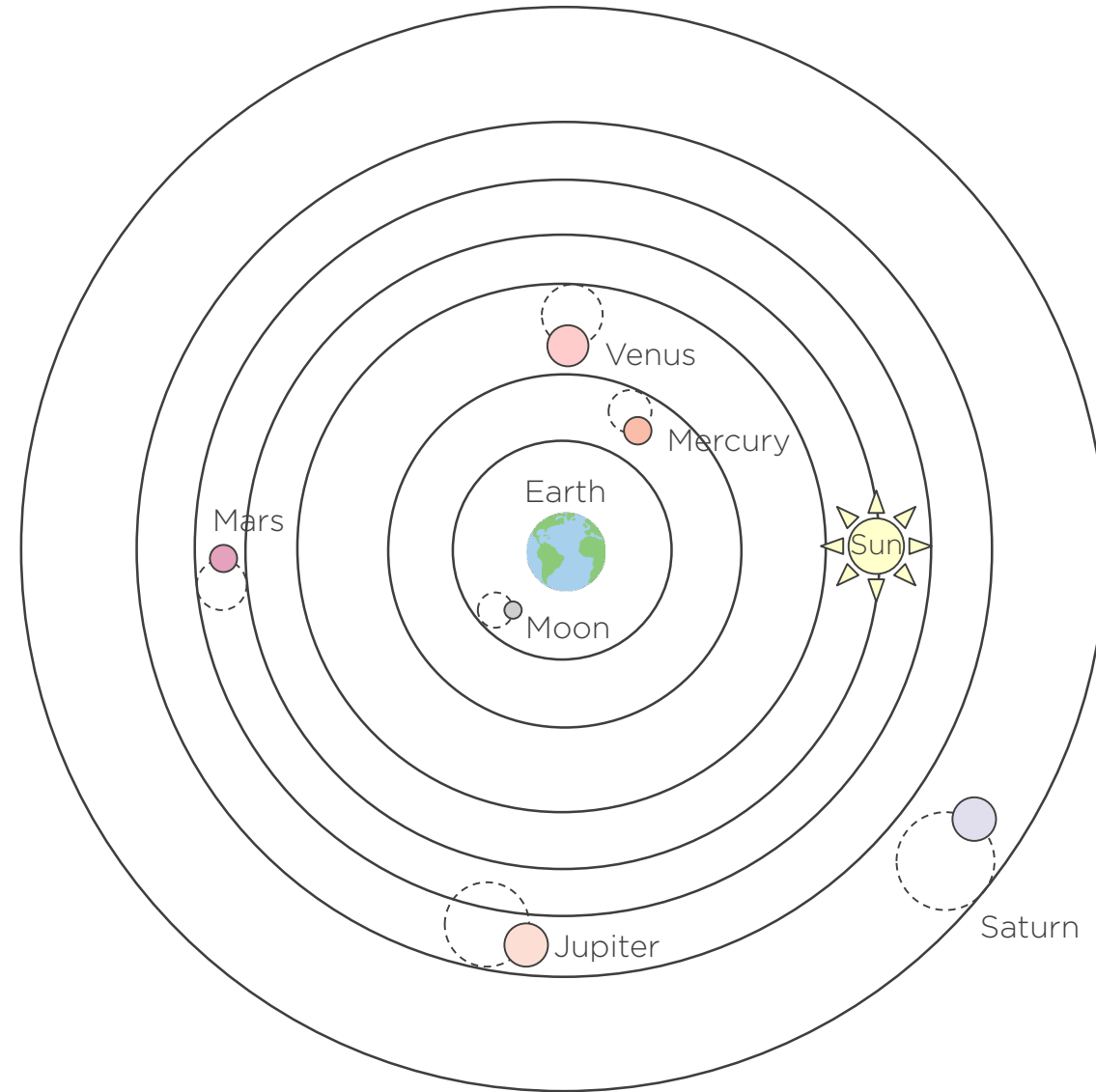
Domain-centric Architecture

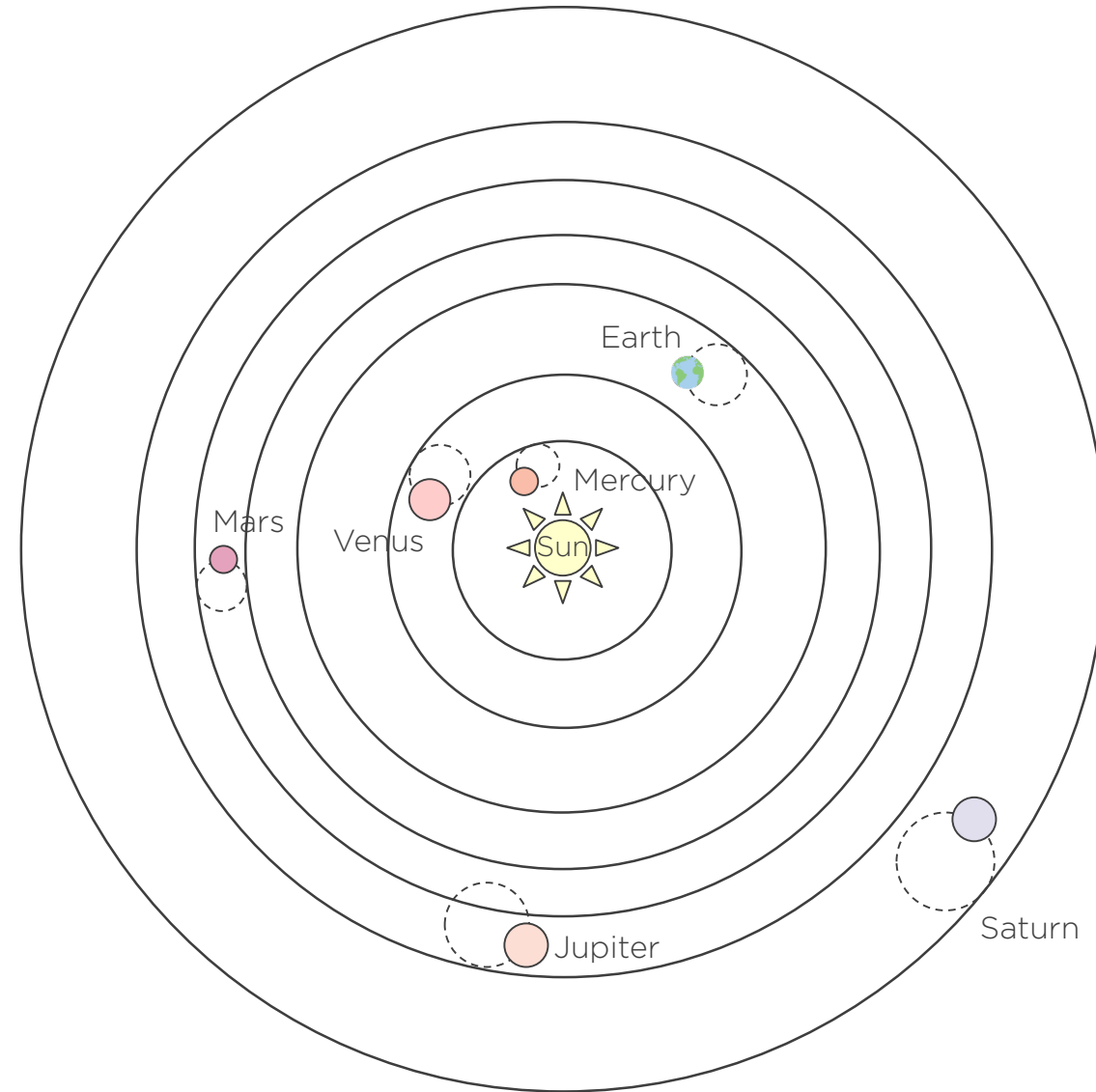
Types of Domain-centric Architectures

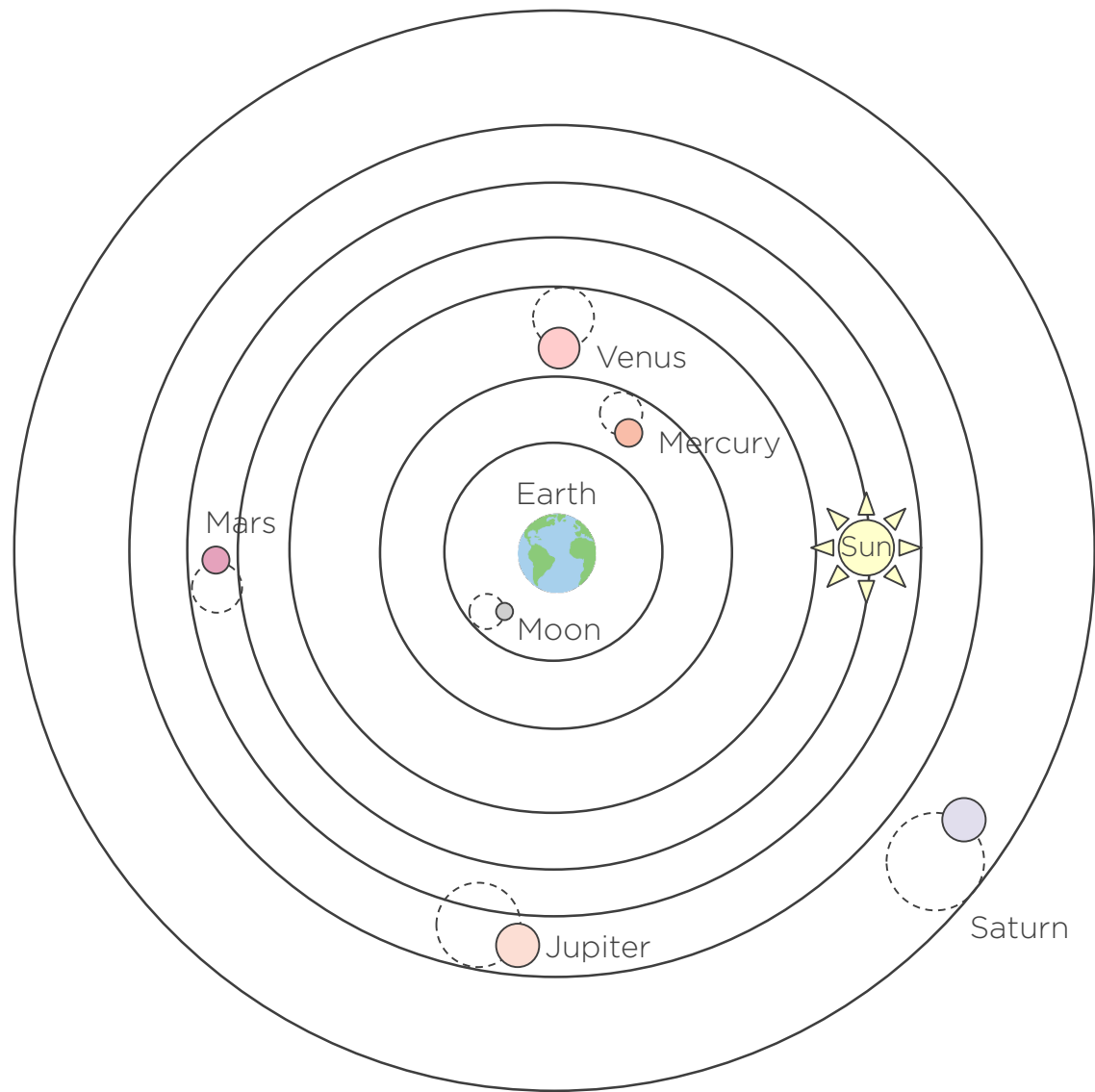
Pros and Cons

Demo

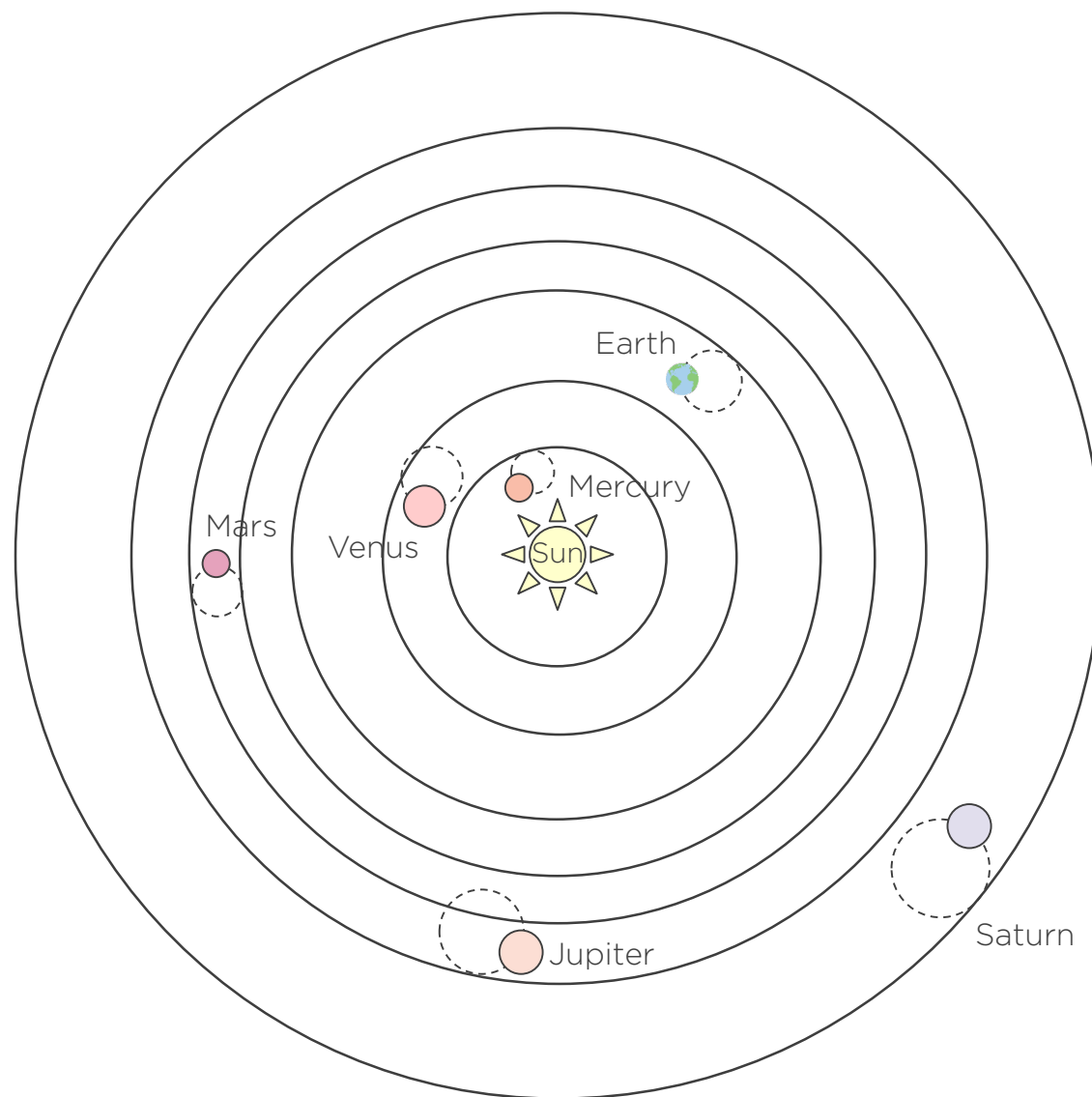








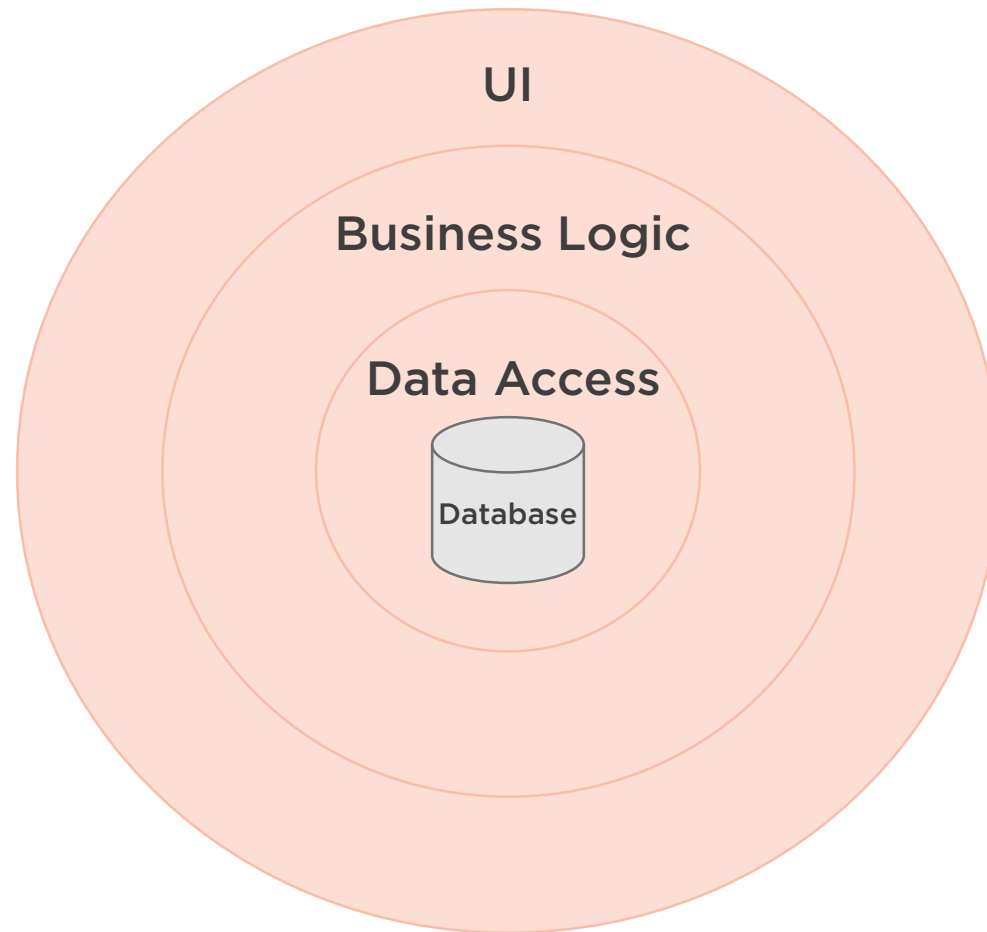
Geocentric Model



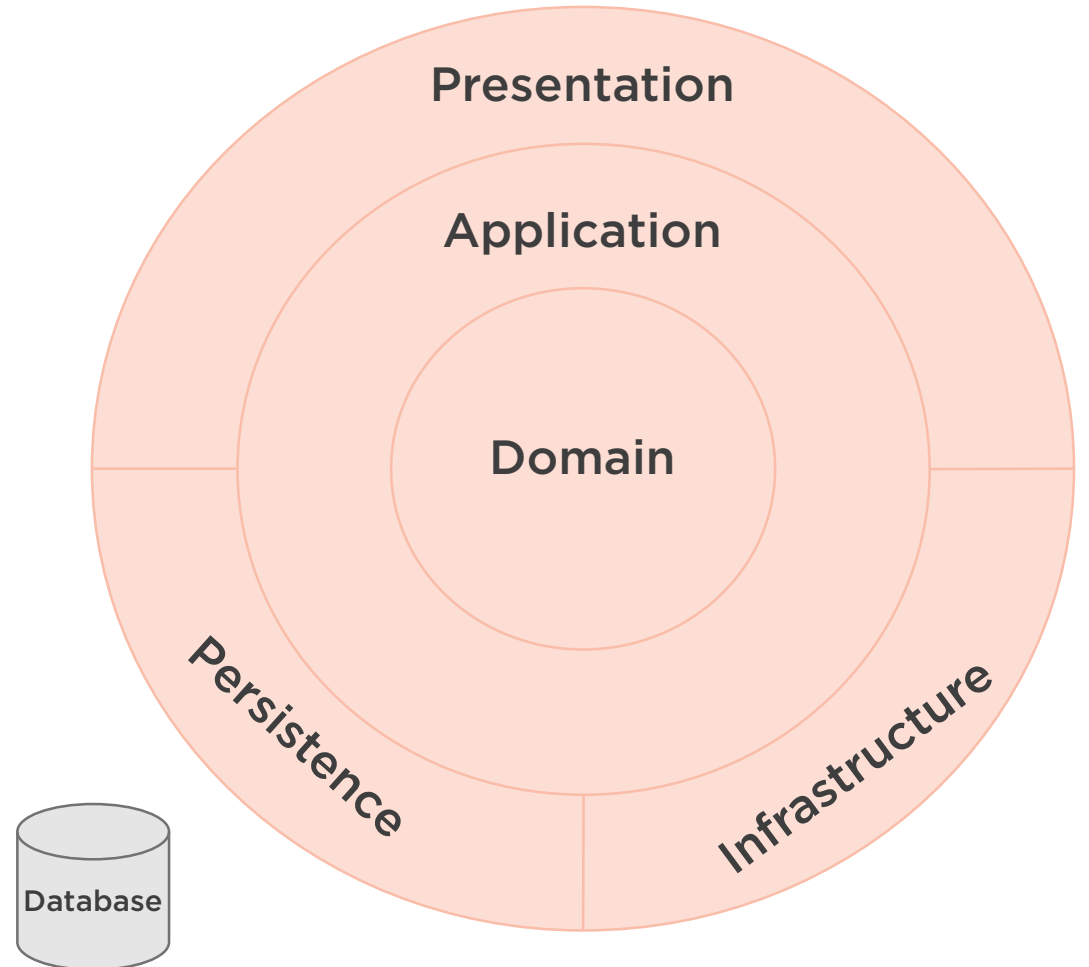
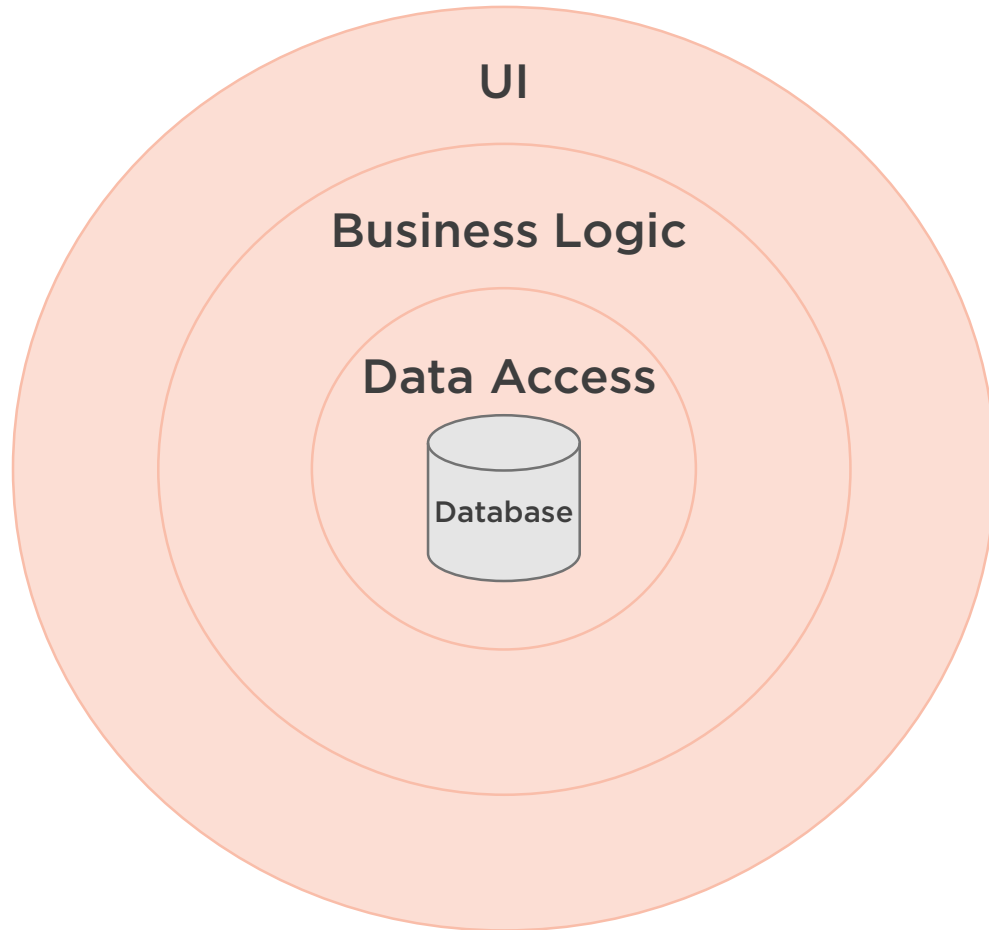
Heliocentric Model



Classic Three-layer Database-centric Architecture



Database-centric vs. Domain-centric Architecture



“The first concern of the architect is to make sure that the house is usable, it is not to ensure that the house is made of brick.”

- Uncle Bob



Essential vs. Detail

Space is essential

Usability is essential



Essential vs. Detail

Space is essential

Usability is essential

Building material is a detail

Ornamentation is a detail



Essential vs. Detail

Domain is essential

Use cases are essential



Essential vs. Detail

Domain is essential

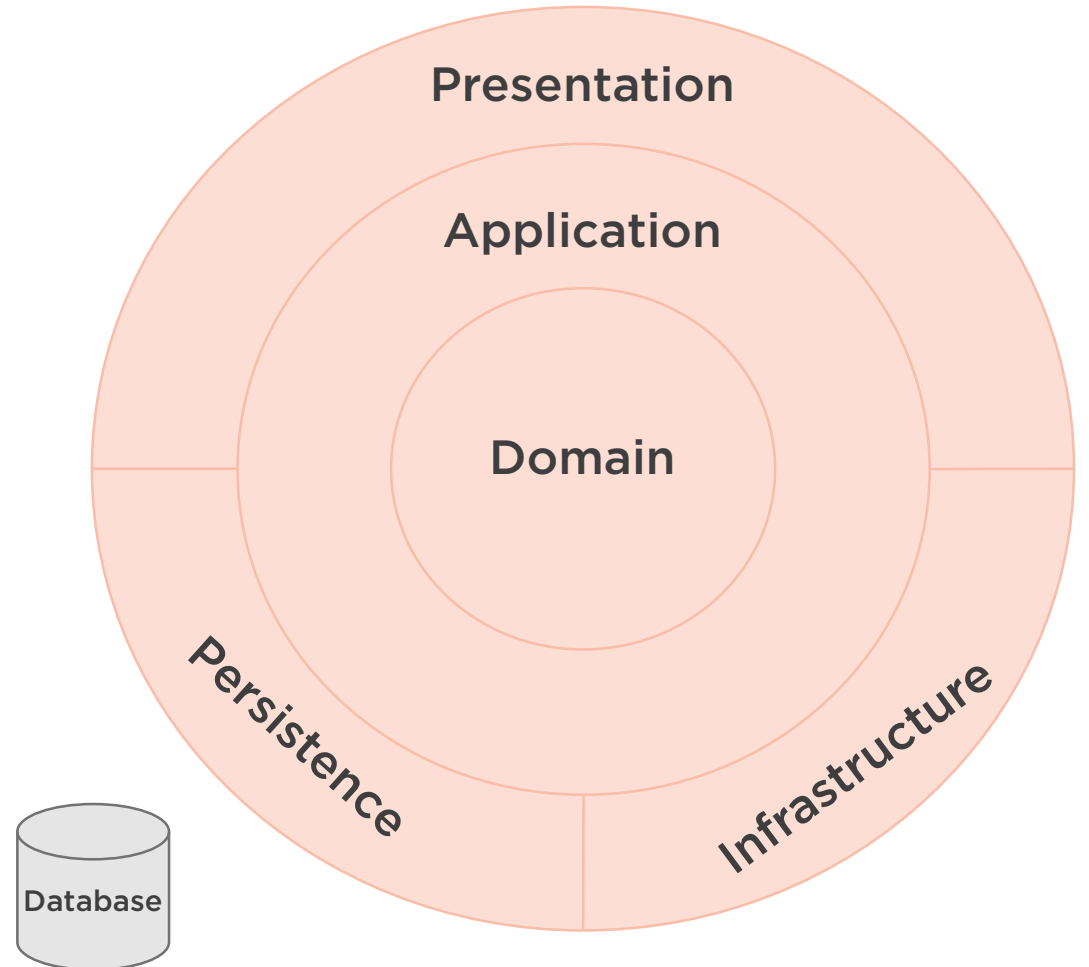
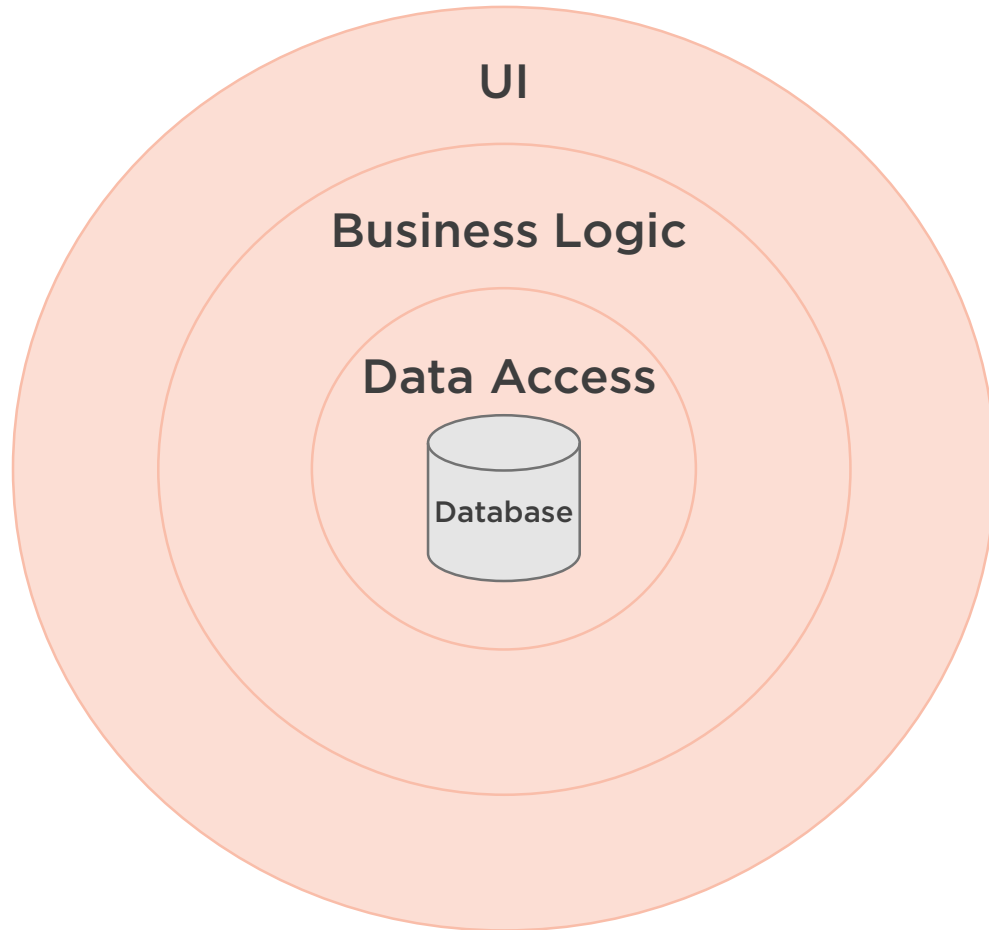
Use cases are essential

Presentation is a detail

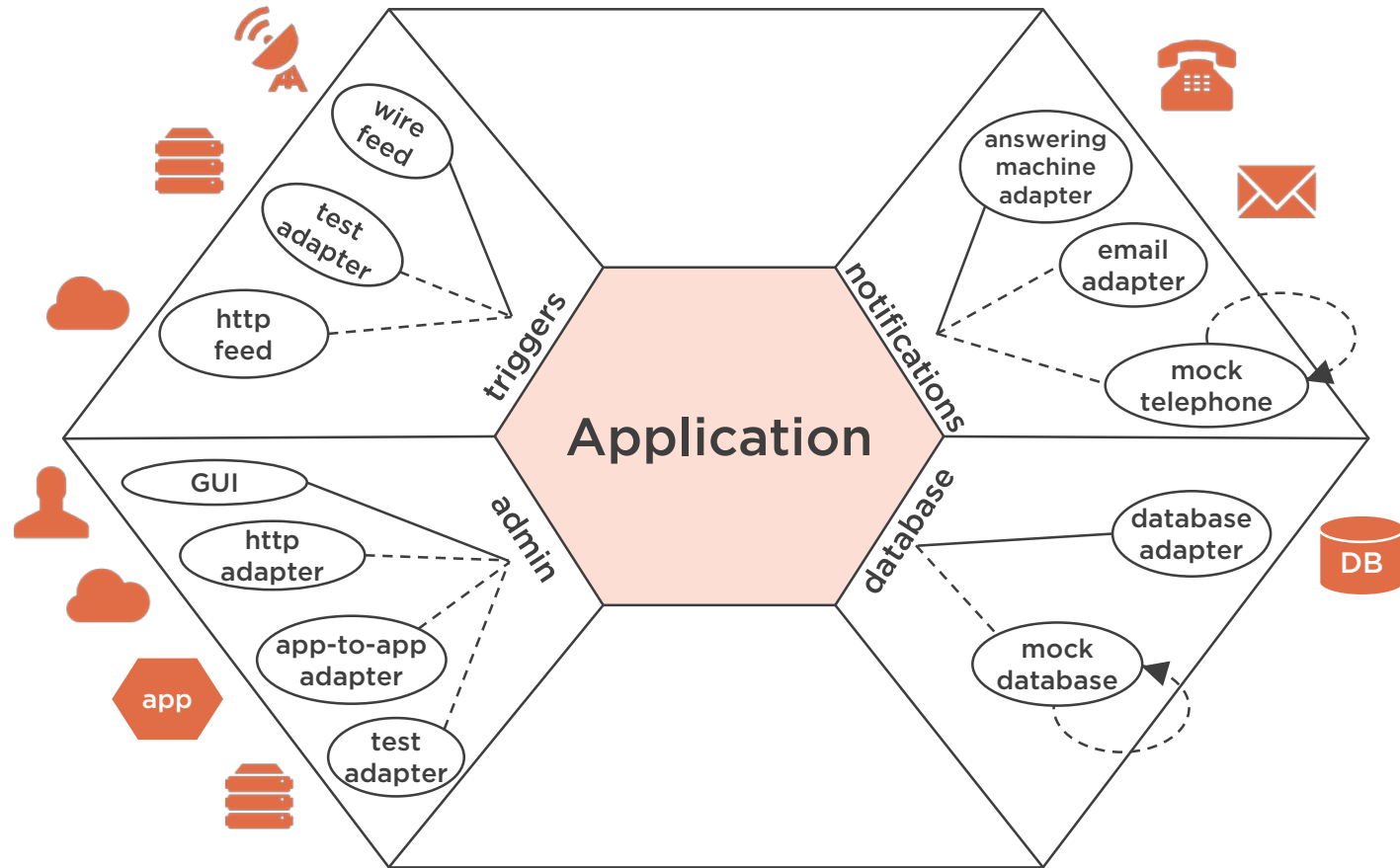
Persistence is a detail



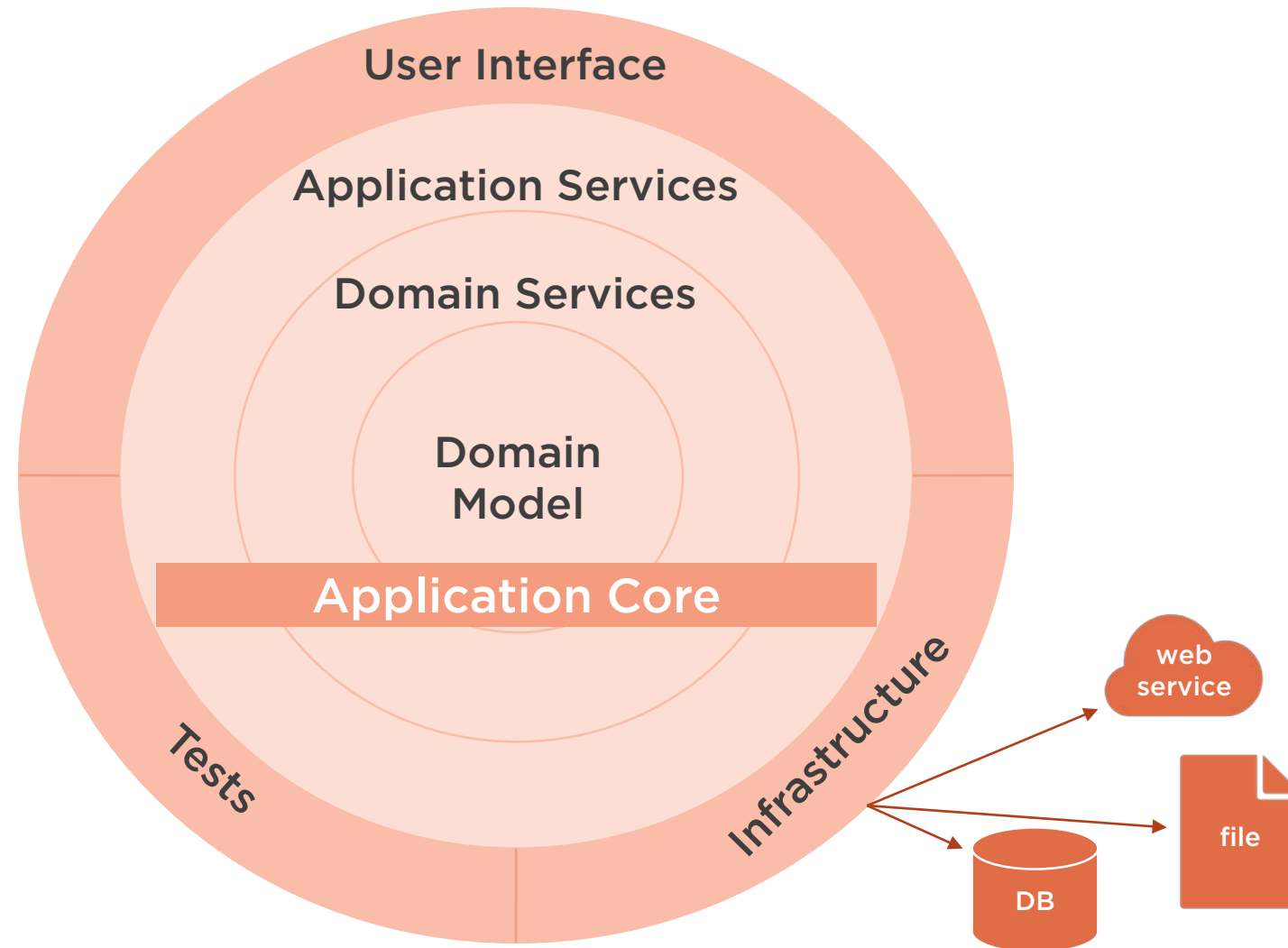
Database-centric vs. Domain-centric Architecture



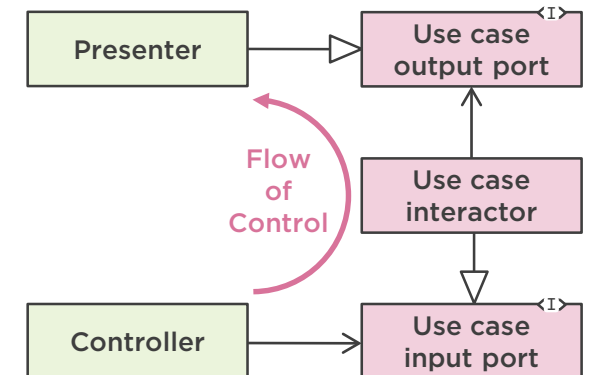
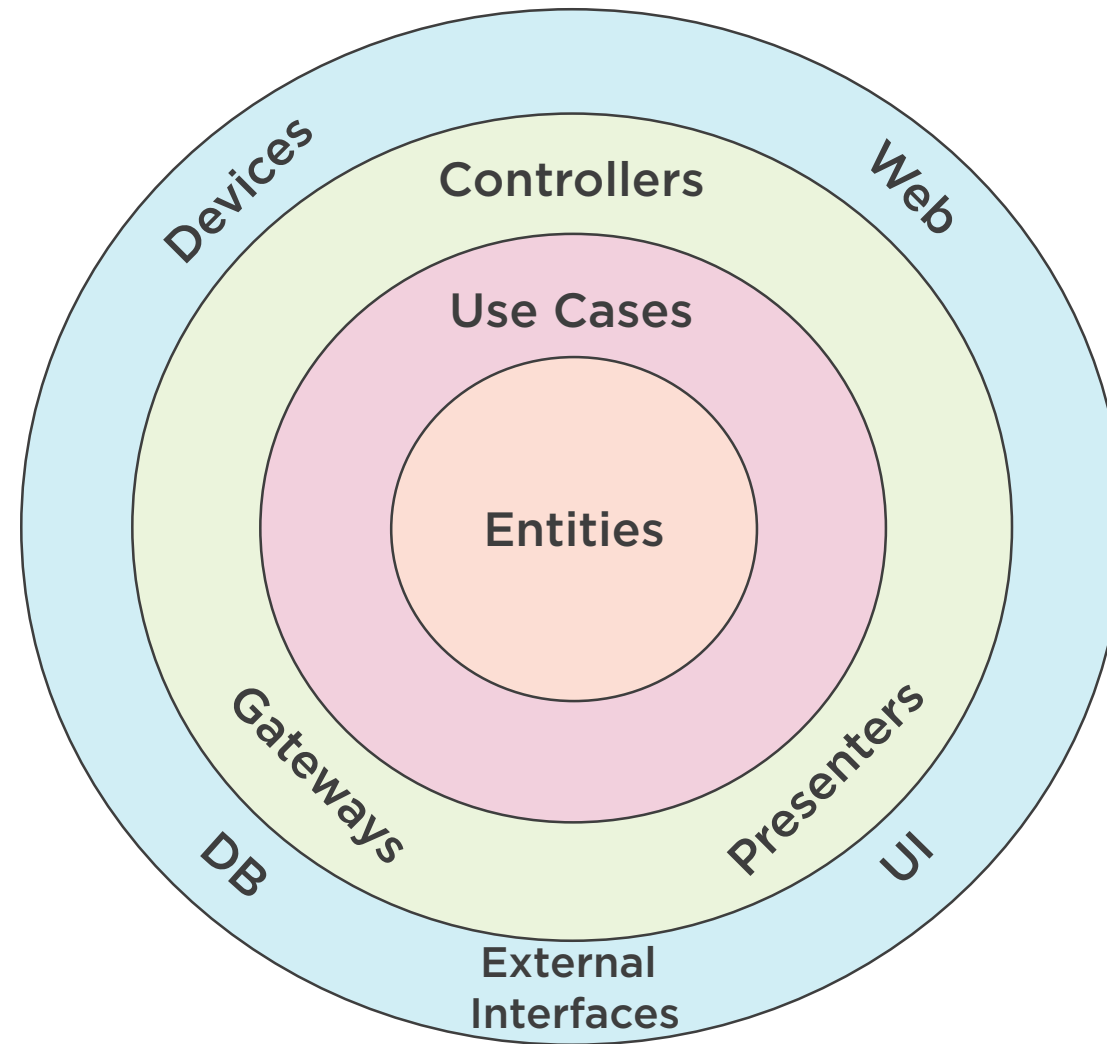
Hexagonal Architecture



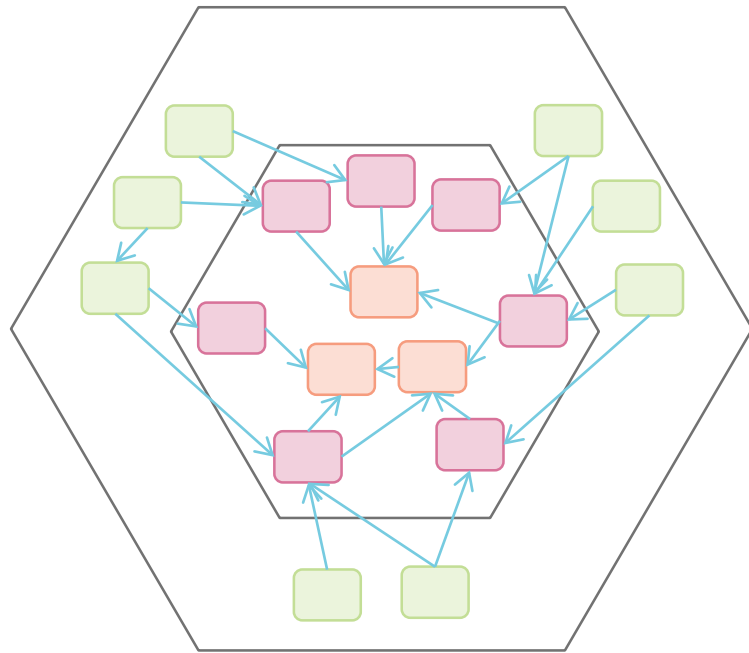
Onion Architecture



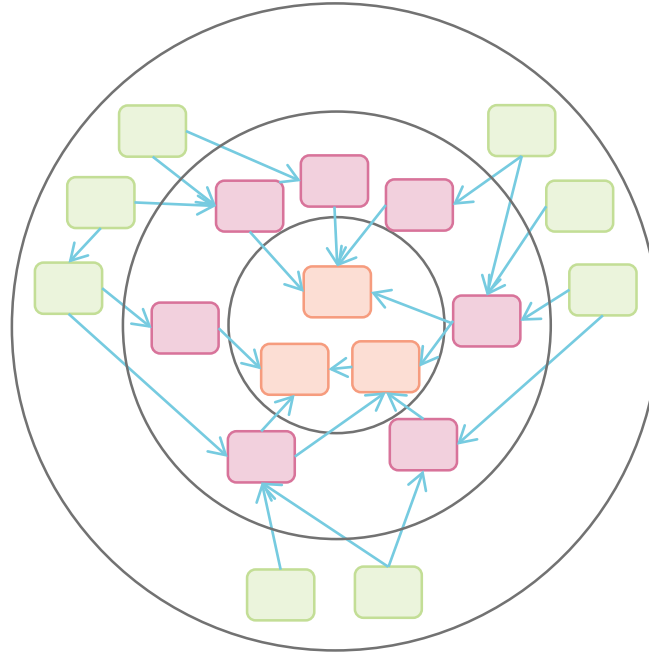
The Clean Architecture



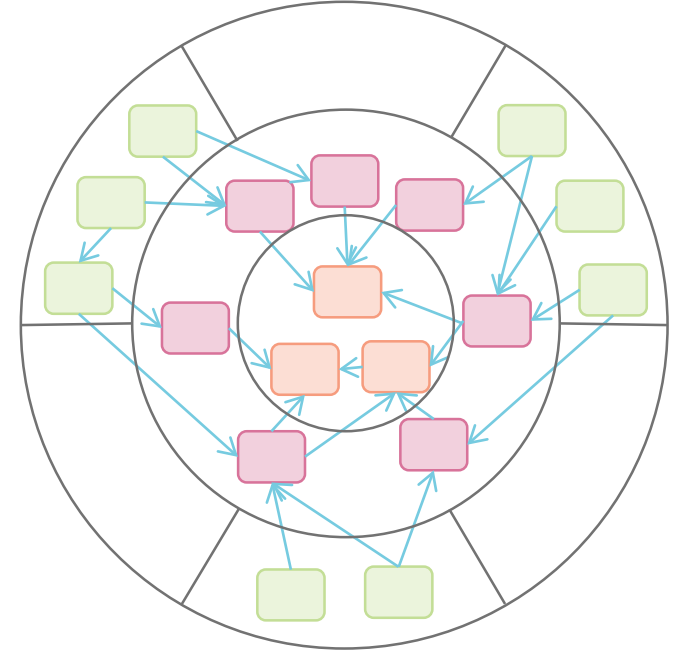
It's All the Same Thing



Hexagonal



Onion



Clean

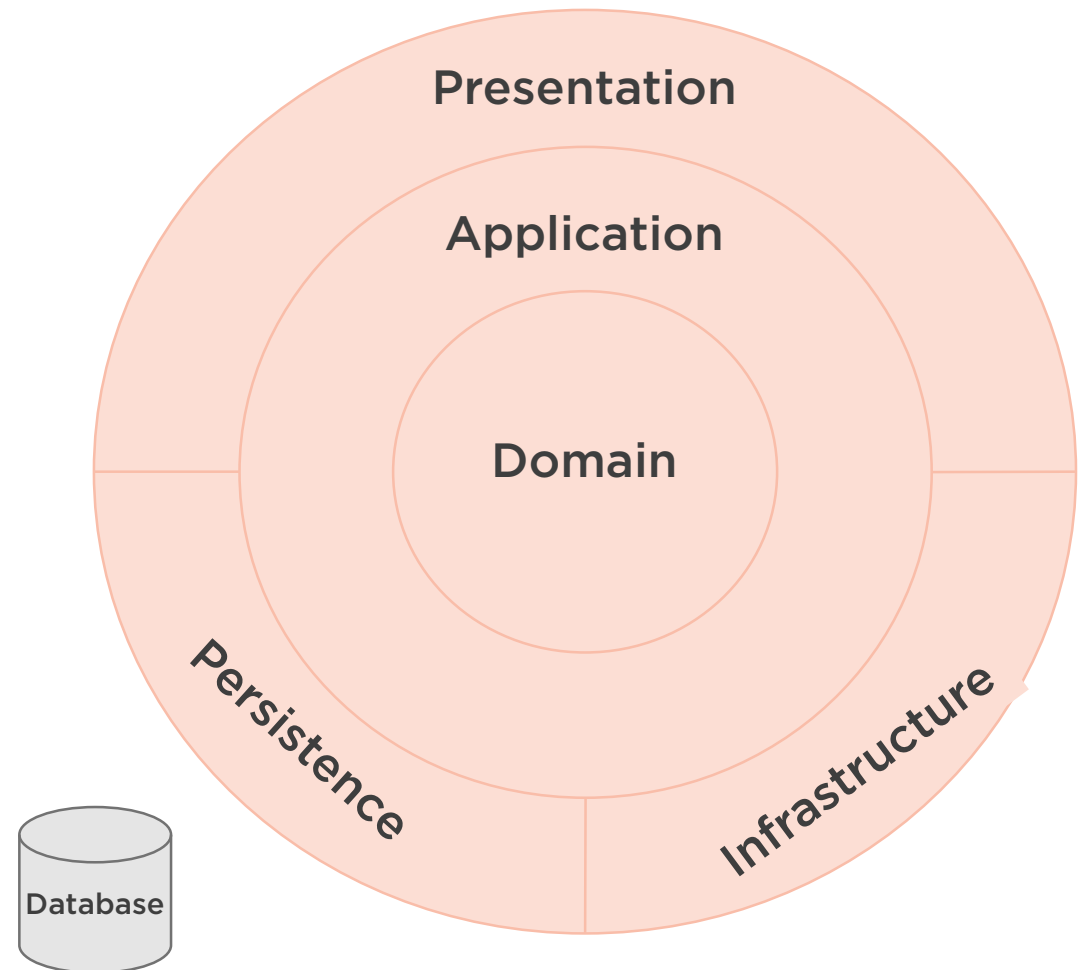
Why Use Domain-centric Architecture?

Pros

Focus on domain

Less coupling

Allows for DDD



Why Use Domain-centric Architecture?

Pros

Focus on domain

Less coupling

Allows for DDD

Cons

Change is difficult

Requires more thought

Initial higher cost



Setup



Show Solution Organization



Show Domain Project



Show Sale Class



Wrap Up



Summary



Domain-centric Architecture

Types of Domain-centric Architectures

Pros and Cons

Demo

