DotNet 2021

ONLINE TECH CONFERENCE

#DotNet2021

22nd June 2021

Arquitectura limpia en ASP.NET Core

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Technical Lead Developer from Madrid (Spain) working at Plain Concepts. He worked for several companies in several industries where he honed his development skills and love for C#.

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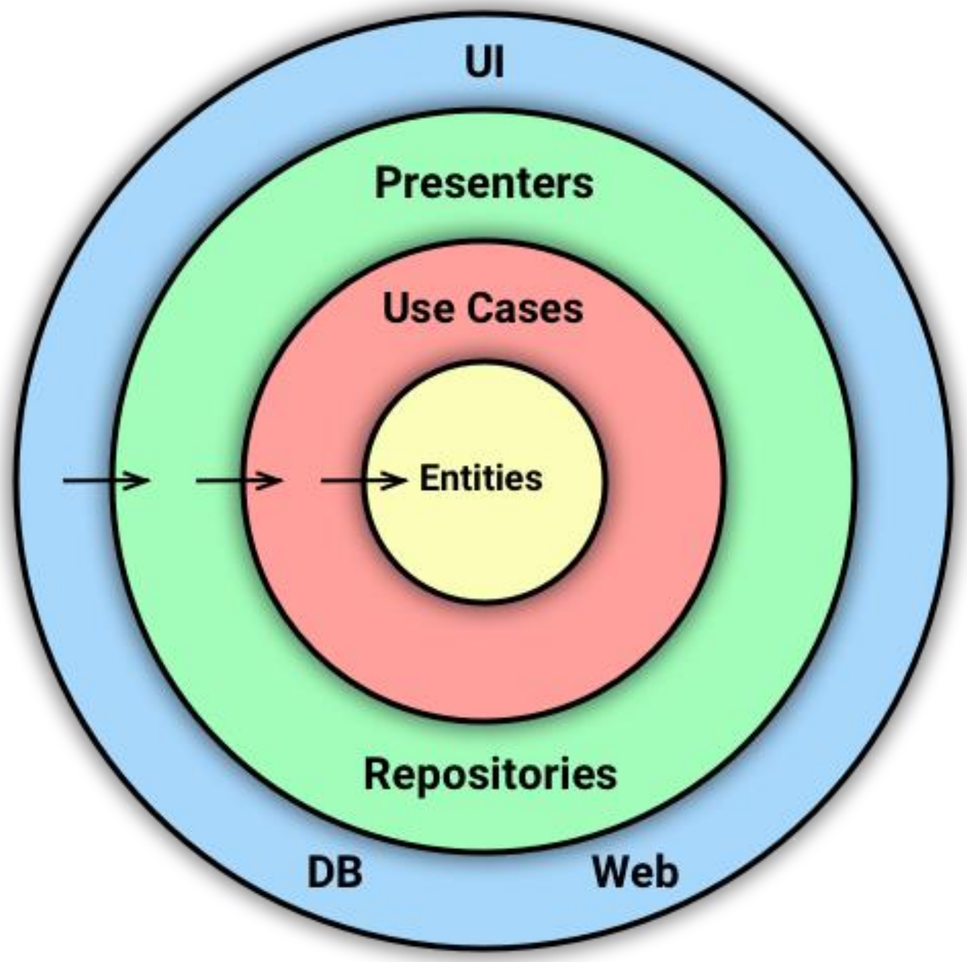
The Clean Architecture

- Hexagonal Architecture (Ports and Adapters)
- Onion Architecture
- DCI (Data Context and Interaction)
- …



My Clean Architecture

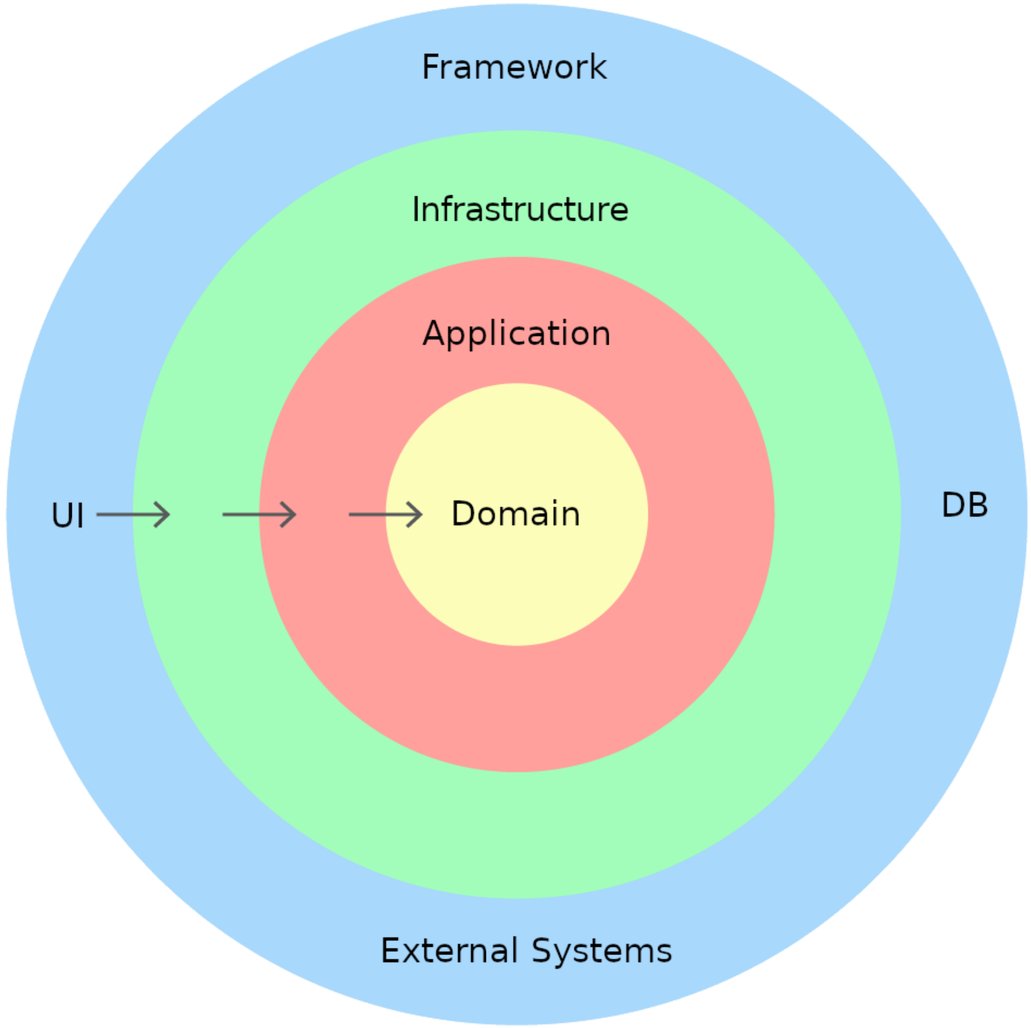
- Layers and boundaries

src/

Domain/

Application/

Infrastructure/

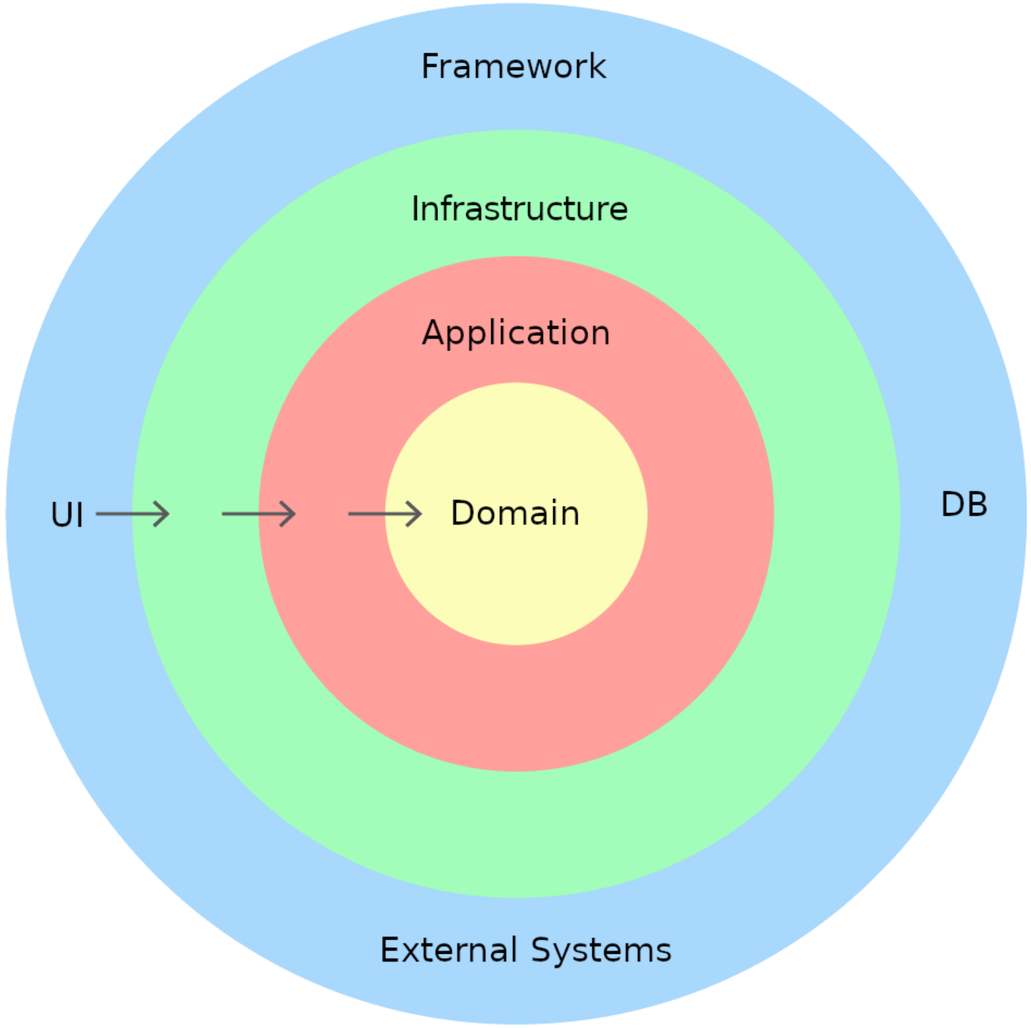


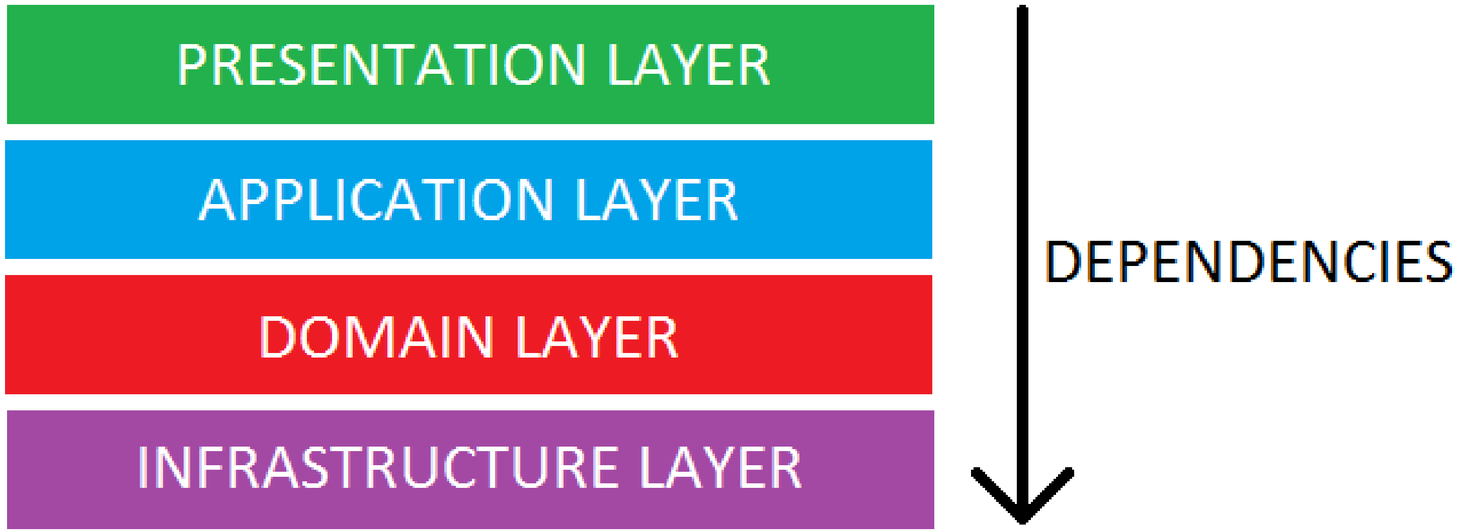
Produce systems that are:

- Independent of frameworks
- Testables and maintanables
- Independent of UI
- Independent of the stores
- Independent of third party systems

The dependency Rule

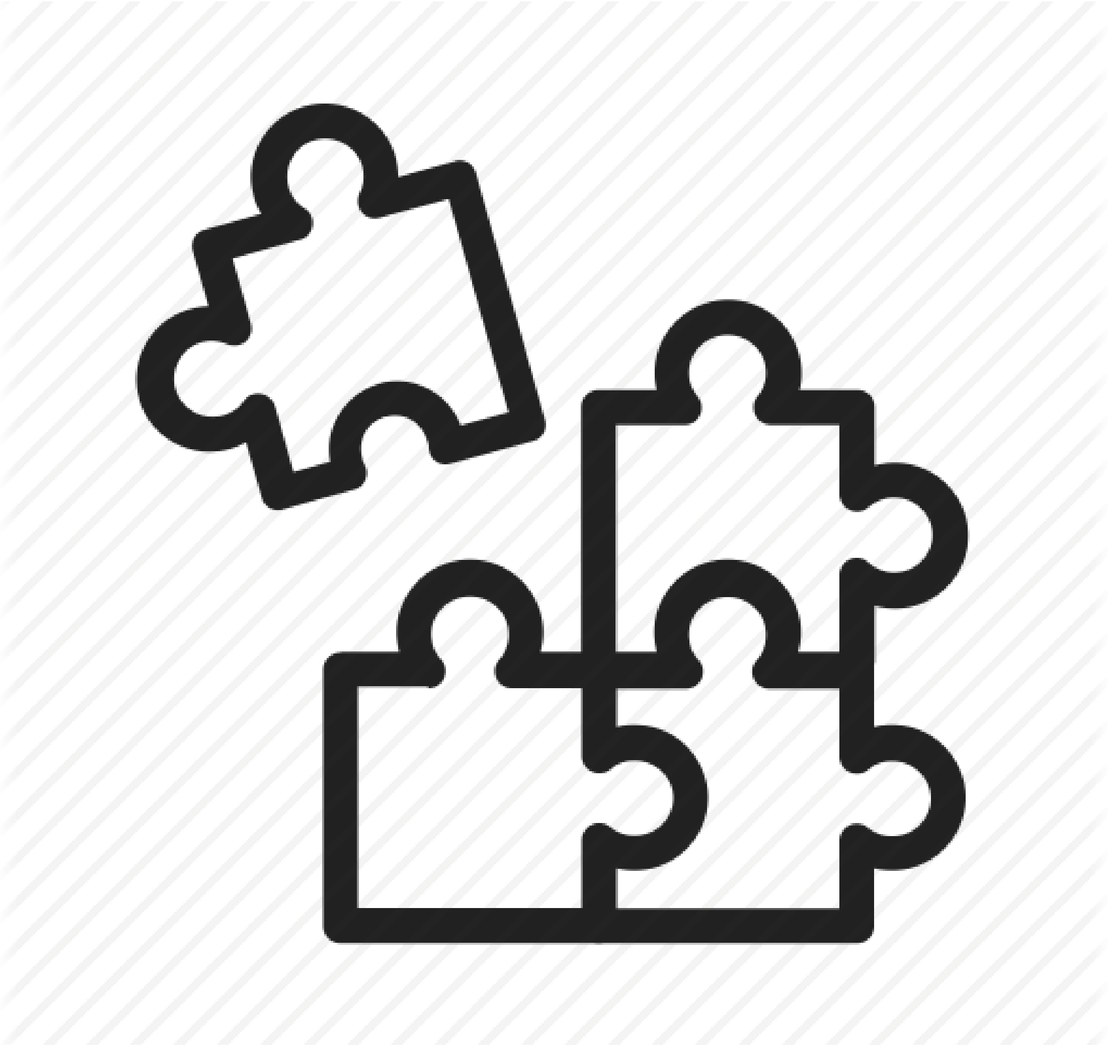
"Nothing in an inner circle can know anything at all about something in an outer circle"


Framework
Infrastructure
Application
Domain
UI
DB
External Systems


PRESENTATION LAYER
APPLICATION LAYER
DOMAIN LAYER
INFRASTRUCTURE LAYER
DEPENDENCIES

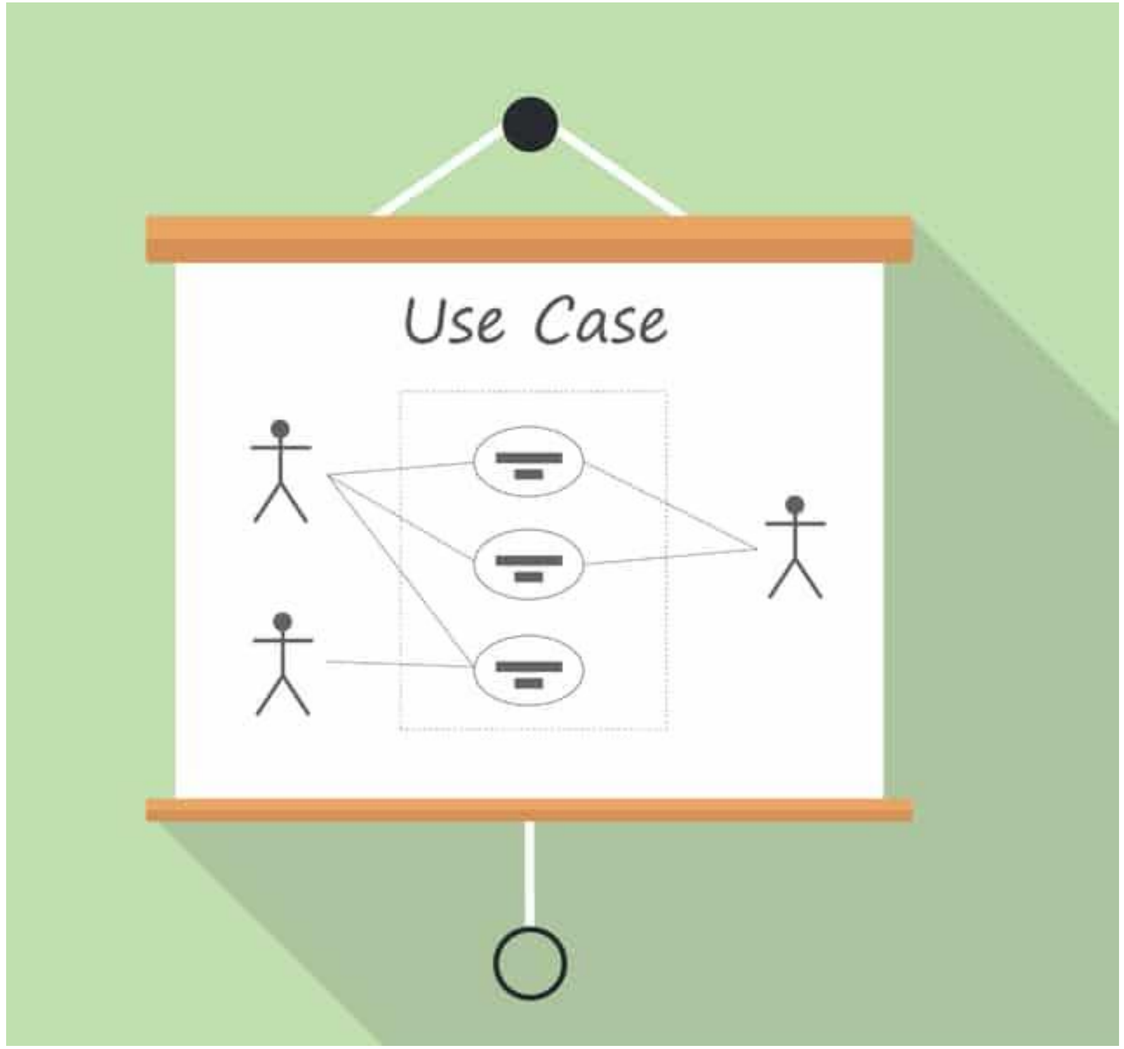
Domain (Entities)

- Encapsulate business rules not only hold data.
- Not affected by external changes.
- Not affected by other layers.
- Unit tests



Application (Use Cases)

- Application specific business rules
- Orchestrate the flow of data using Entities
- Changes in this layer doesn’t affect Entities
- Not affected by outer layers
- Integration tests



Infrastructure

- Communication with external systems
  - Databases
  - Queues
  - Bus
  - APIs
- Persisting data in the database
- Send emails
- Talking to external API’s

Show me the code!

Questions & Answers

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Thanks and ...
See you soon!

Thanks also to the sponsors. Without whom this would not have been posible.