

Architecture Testing

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March 07, 2023

- Why?
- How?
- When not to use?
- Available libraries
- Example usecase: Clean Architecture
- Available rules
- Example

Why?

- Retain software architecture
- Avoid the “dependency hell”
- Spread knowledge by executable rules
- Different experience levels among devs

How?

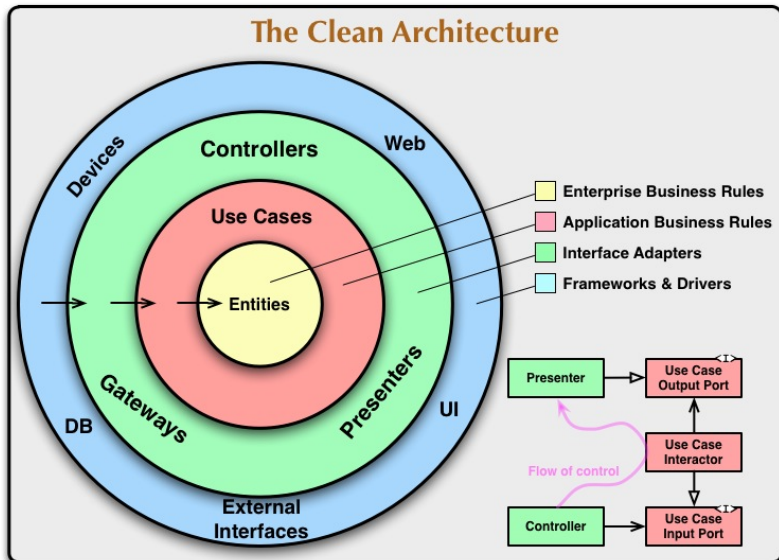
- Dotnet => Unit Tests that check specified rules (feedback through failing tests)
- Angular nx (build system) => module boundary linting rules (instant feedback)

When not to use?

- Usefulness depends on the context
- Can be hard to add afterwards (legacy applications, ...)
- Some architectures may be hard to test => vertical slice architecture

- Compatible with .NET Framework, .NET Core & .NET 5+
 - ArchUnitNet
 - NetArchTest

Example usecase: Clean Architecture



Documentation

Example