

Deep Dive! Clean Architecture in .NET Validations

Model Validation in Presentation / Application Layer

Business Validation in Domain Layer

Example: Age Field in User Model

Age > 0 presentation

Age > 18 domain layer (business rule)

Model Validation = Validating user input against
certain criteria before processing it

You can either throw an exception or create
a value object that wraps int age.

Third option is Fluent Validation rules

Validators usually go on the command objects
in the application layer

Domain Events

An option vs. normal orchestration pattern.

Various Event Handlers that handle relevant events

Transactional Consistency - Change handled as a whole.

Low Cognitive load, Simple, Performance loss

Limited Error Handling, Low Scalability

Eventual Consistency - change is divided

High Cognitive load, Complex, Highly performant

Flexible error handling, Scalability

Subcutaneous Testing - Tests that run right
under the presentation layer