

Server-side Validation



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Overview



The Importance of Validation

Using Validation Attributes in Models

Using Fluent Validation in Models

Use Validation in Forms

Explain Model Validation

Asynchronous Validation



define: Model Validation

Ensuring that a program operates on clean, correct and useful data; checking for correctness, meaningfulness, and security of input data.



Any data input must be validated before it is used.
You cannot trust any outside source of data, especially on the web.



“

Data Validation is no substitute
for real business rules.

”

- Shawn Wildermuth

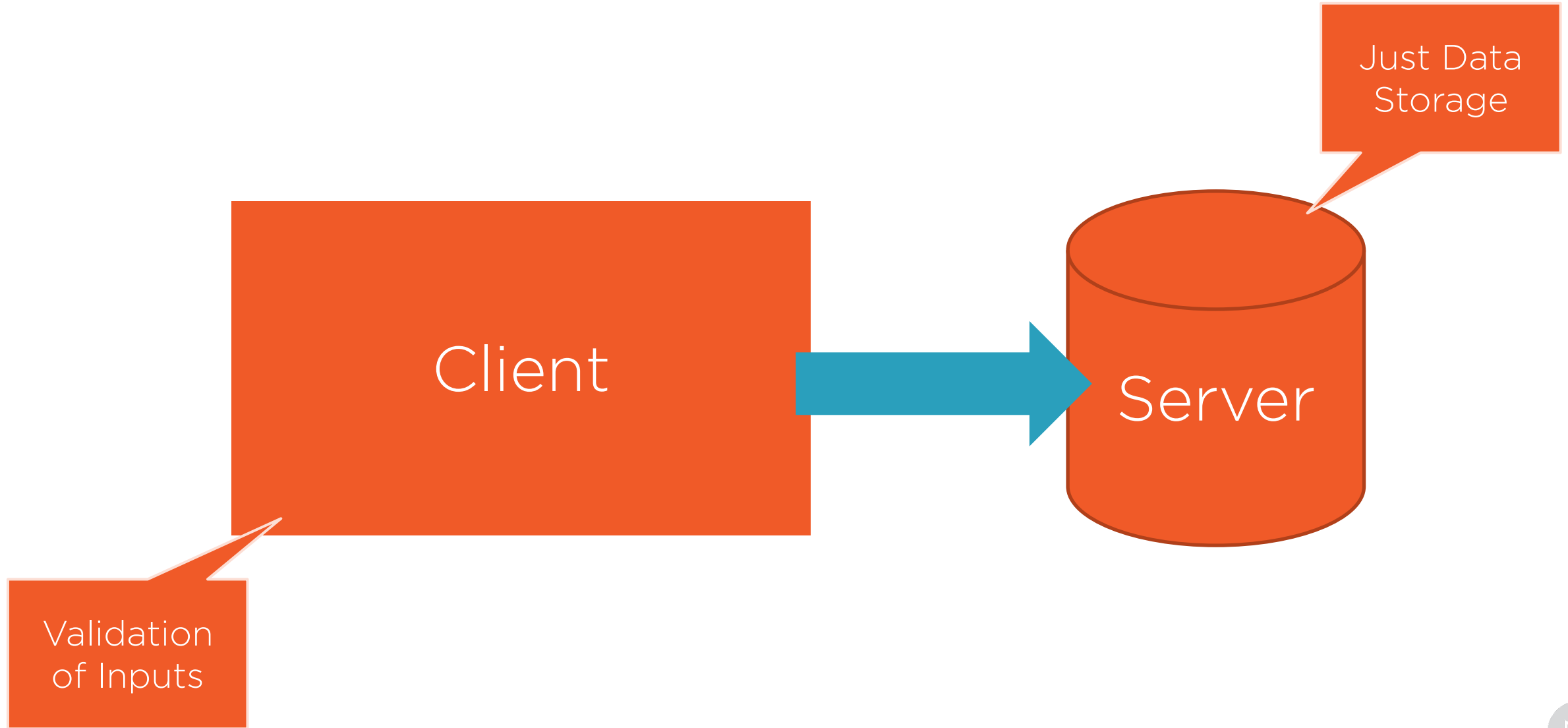




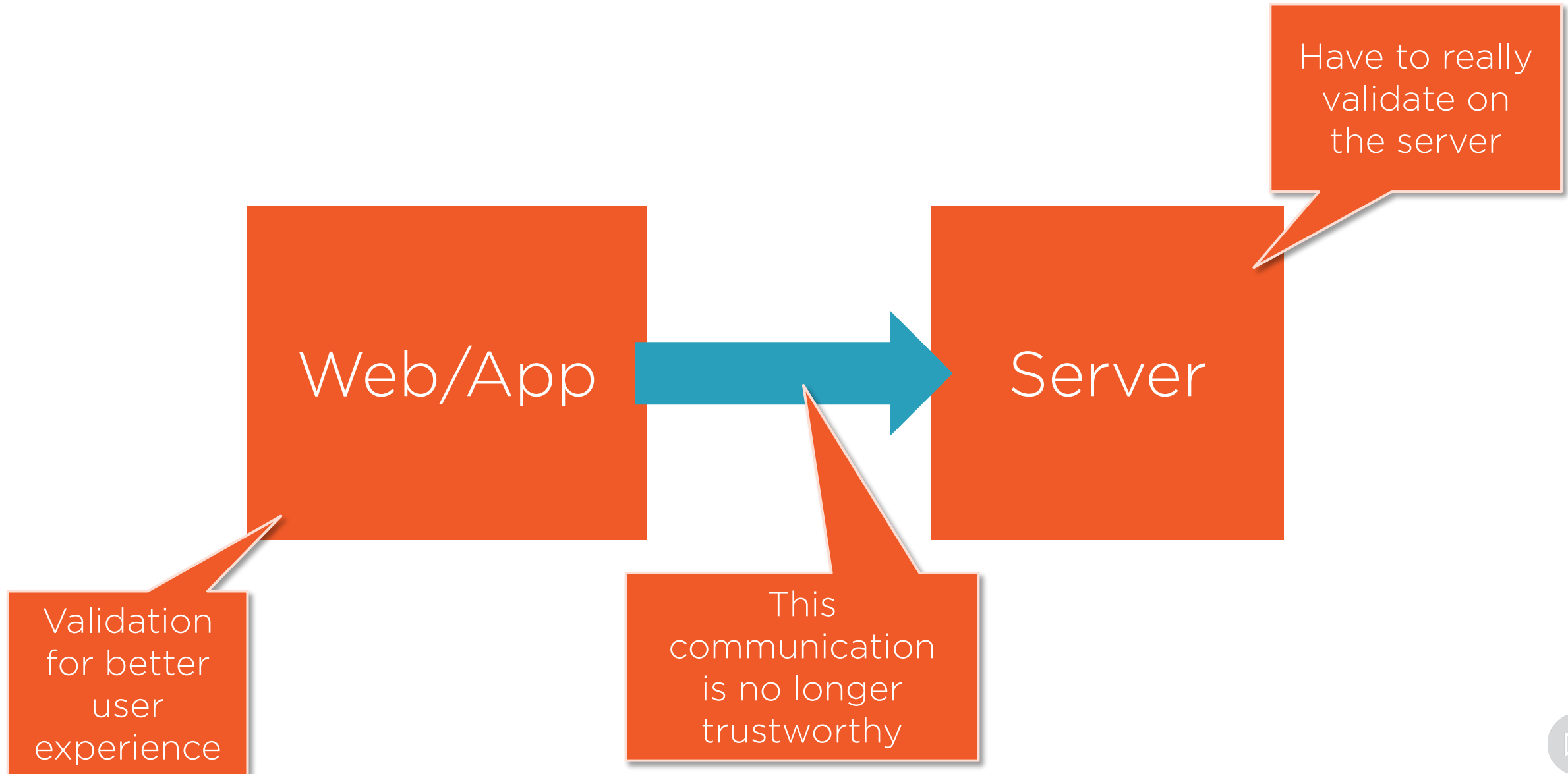
Database Schema vs. Model Validation

- Don't confuse the two
- Schema is about storage requirements
- Validation is about correctness

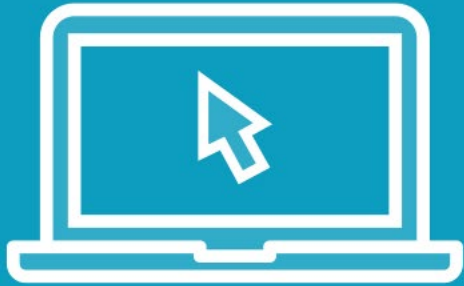
Validation Before the Web



Validation on the Web



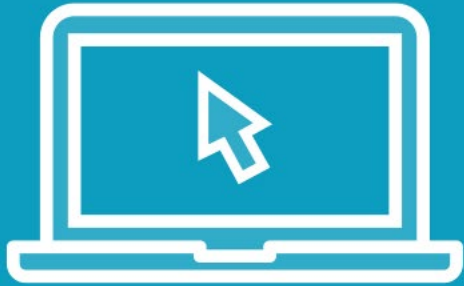
Demo



Entities and Schema



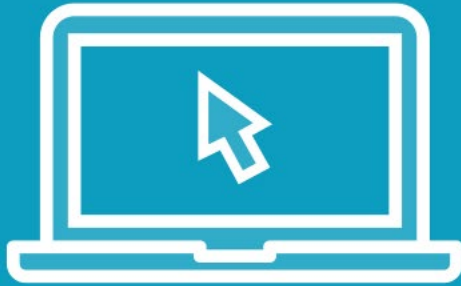
Demo



Adding Validation Attributes



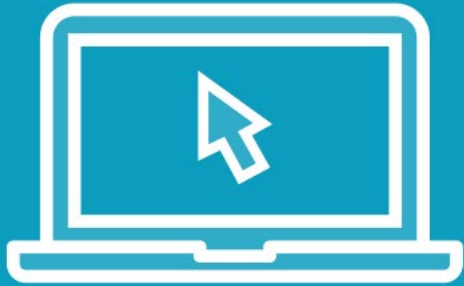
Demo



Fluent Validation



Demo



Validation in Forms



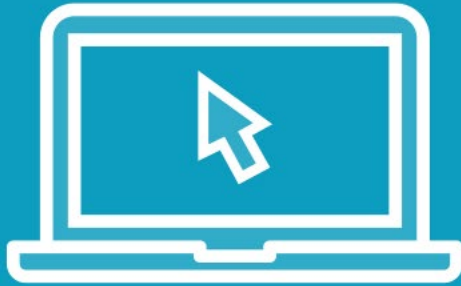
Demo



Model Binding



Demo



Async Validation



Demo



Razor Page Validation



What We've Learned



Validation can be encapsulated in `Attributes` or `FluentValidation`



Keep all validation in the validation system, not in the controller



You can do rich, and asynchronous validation in server-side validation



Coming Up Next:

View Models in REST APIs

