

Reporting Validation Errors Across Client-Server Borders



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Coming Up



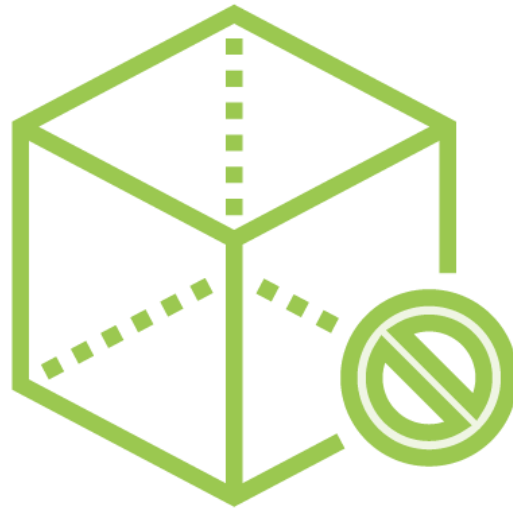
Reporting Validation Errors

- Why should we do this?
- What model should we report these errors on?
- How can we achieve this?

Reporting Validation Errors



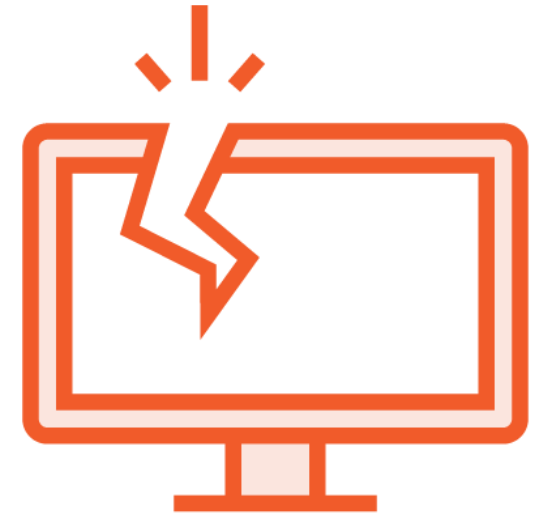
A client should
not be trusted



Not all clients
implement
client-side
validation



Not all forms of
validation can
be checked on
the client



Issues can
happen
between client
and server

Reporting Validation Errors



Report validation errors on the model the client is working on

- Errors related to properties of the DTO or the DTO itself
- ... or errors from lower-level layers that can be mapped to properties of the DTO or the DTO itself

Applies between server-side layers as well

Reporting Validation Errors



Use status code 422 - Unprocessable entity

Add the validation errors to the response body

```
{  ...  
  "title": ["Title is required.", "Title is too short."],  
  "description": ...  
}
```

Reporting Validation Errors

Properties & their related error message(s)



```
{  ...
  "title": [
    {"validatorKey": "required",
     "message": "Title is required."},
    {"validatorKey": "minLength",
     "message": "Title is too short."}], ...
}
```

Reporting Validation Errors

Properties & their related error message(s)

Often with an additional, custom error code



Demo



Adding an Error Code When Reporting Validation Errors



Demo



Reporting Validation Errors with the Correct Status Code



Demo



Visualizing Validation Errors from the API on the Client



Summary



Report validation errors on the model the client works on

Report with a 422 Unprocessable Entity status code

