Building Your First API

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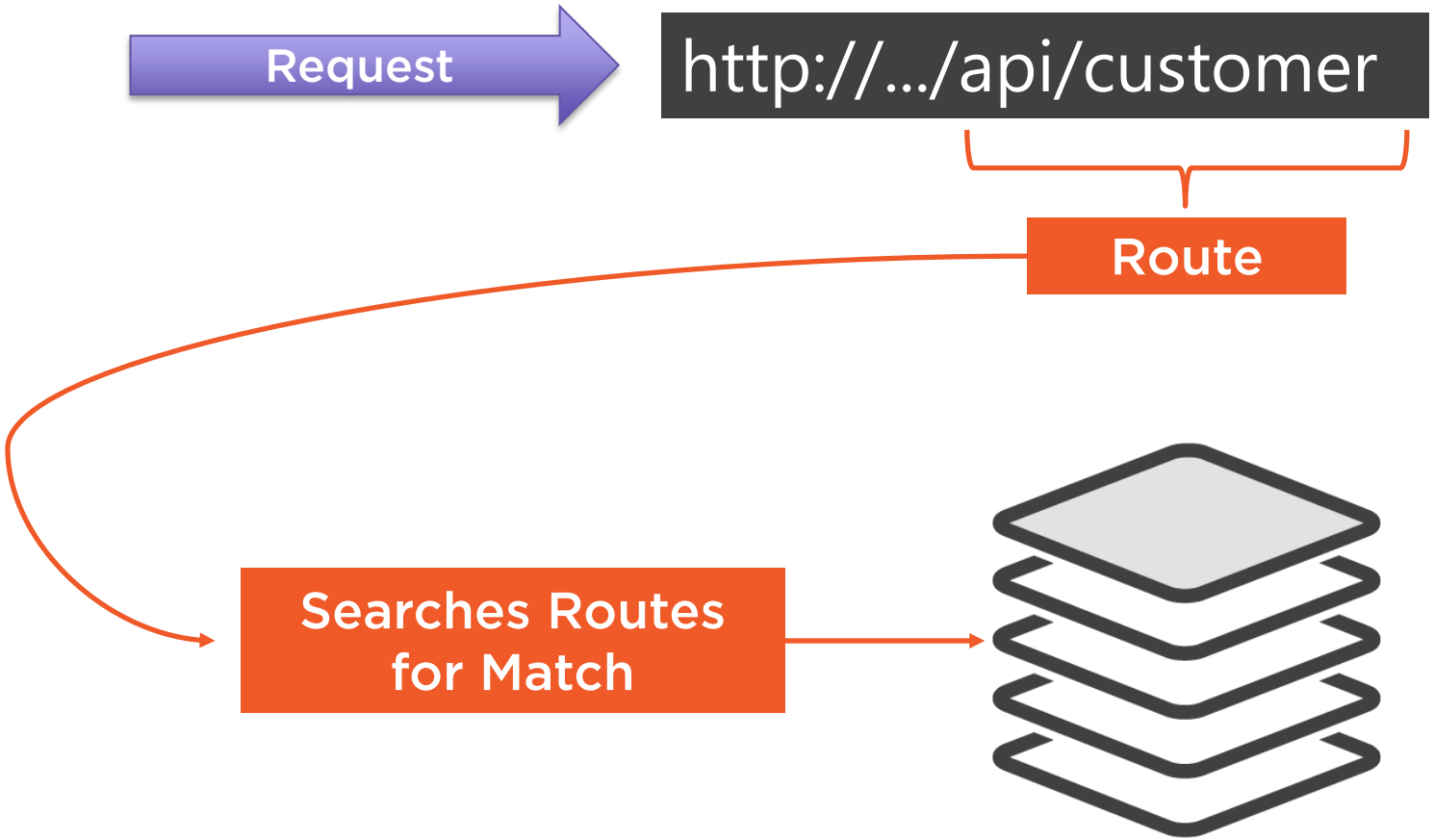
ASP.NET Core's Web API Platform



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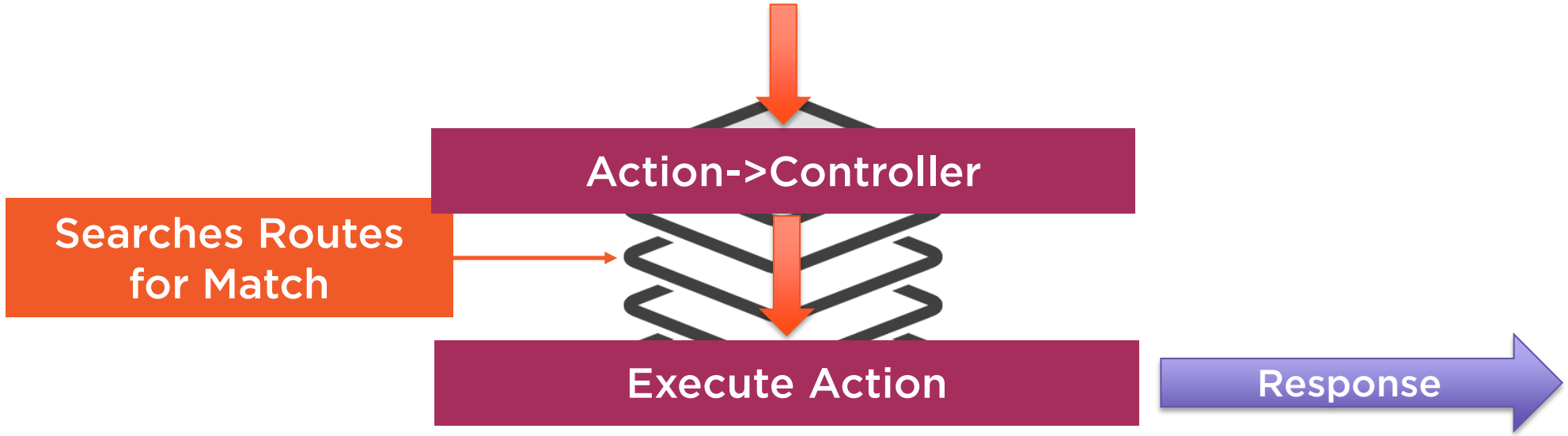
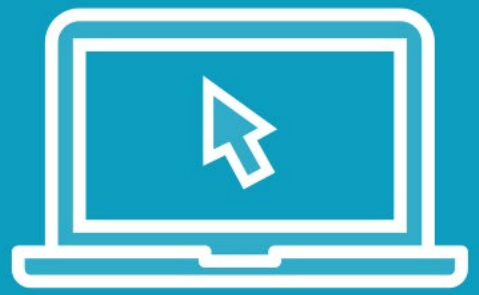


Demo



Creating an Action

Status Codes

Code	Description	Code	Description
200	OK	400	Bad Request
201	Created	401	Not Authorized
202	Accepted	403	Forbidden
302	Found	404	Not Found
304	Not Modified	405	Method Not Allowed
307	Temp Redirect	409	Conflict
308	Perm Redirect	500	Internal Error

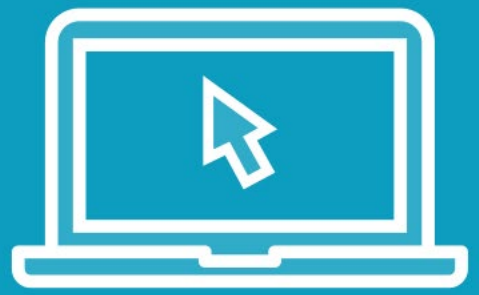
Minimum Status Codes to Use

Code	Description	Real Story
200	OK	"It Worked"
400	Bad Request	"You did bad"
500	Internal Error	"We did bad"

Other Status Code to Use

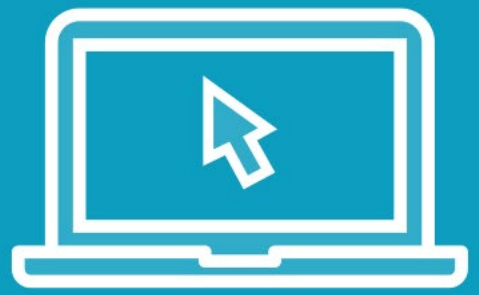
Code	Description
201	Created
304	Not Modified
404	Not Found
401	Unauthorized
403	Forbidden

Demo



Using Status Codes

Demo

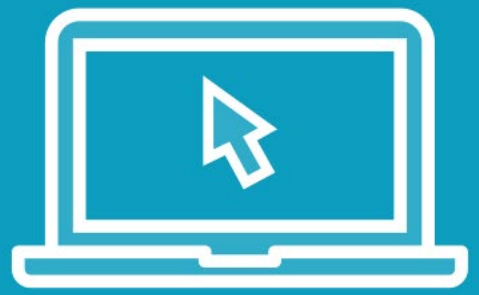


Using GET for Collections

Why Models instead of Entities?

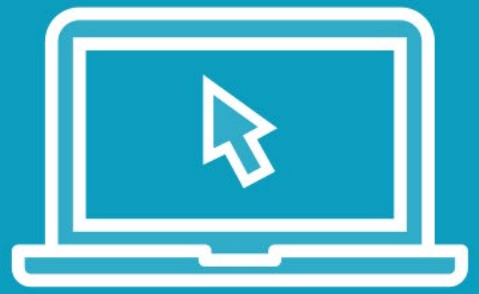
- Payload is a contract with your users
- Likely want to filter data for security too
- Surrogate Keys are useful too

Demo



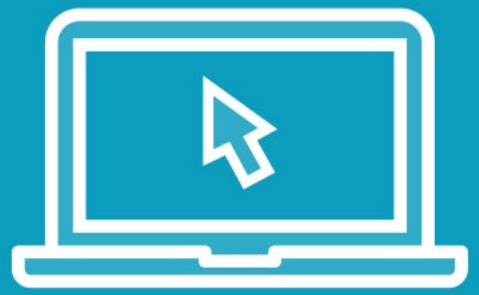
Returning Models Instead of Entities

Demo



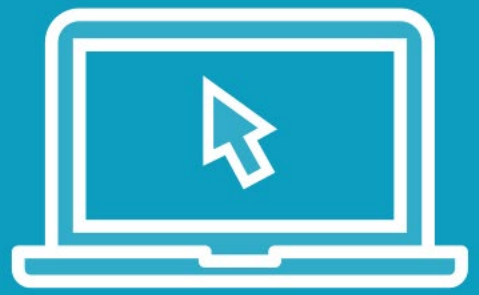
Getting an Individual Item

Demo



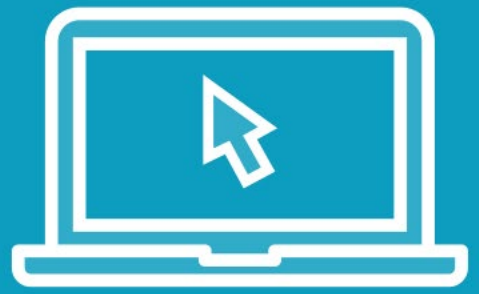
Returning Related Data

Demo



Using Query Strings

Demo



Implementing Searching

What We've Learned

Allow for error handling in an HTTP way

Serialization should be separated from the controller

Query Strings are useful for declaring format or searching