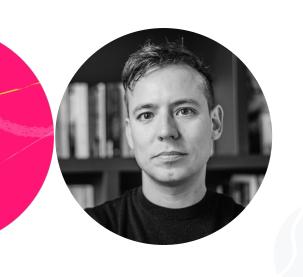
Supporting Concurrency

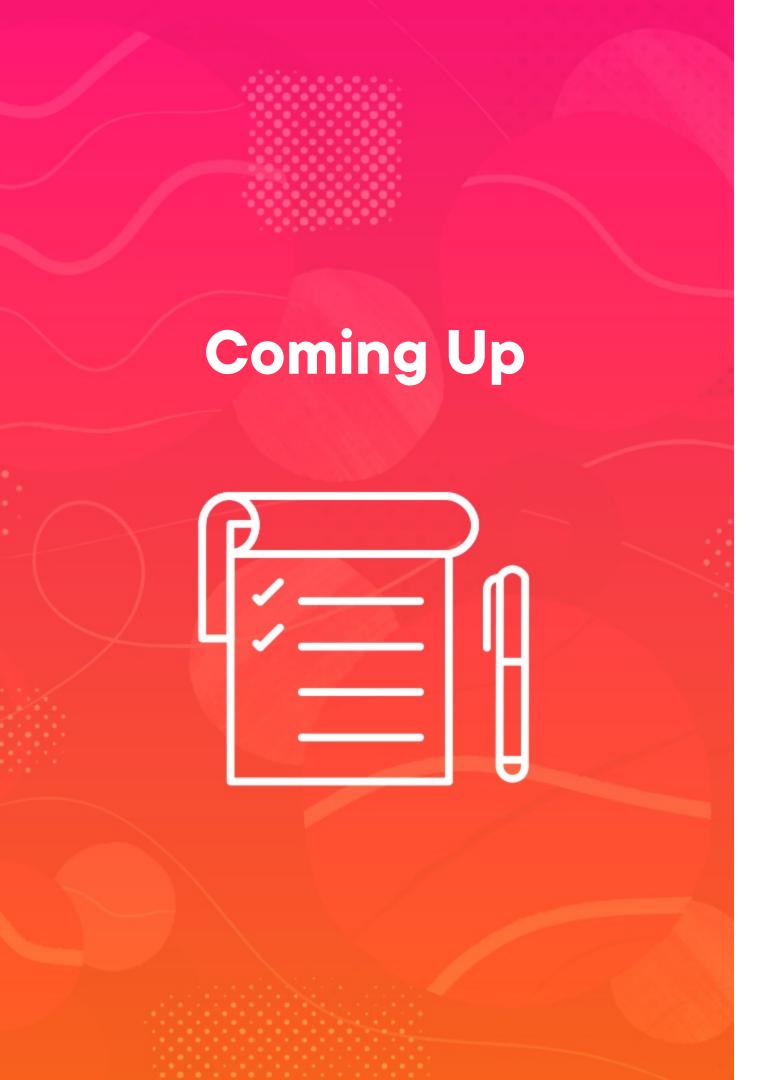


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Architect

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Supporting concurrency in a RESTful world

Using ETags to support concurrency

Supporting Concurrency in a RESTful World

Client 1 (Kevin) Client 2 (Sven) **API** GET api/authors/{id} GET api/authors/{id} PUT api/authors/{id} PUT api/authors/{id}

Concurrency Strategies

Pessimistic concurrency

Resource is locked

While it's locked, it cannot be modified by another client

This is not possible in REST

Vs

Optimistic concurrency

Token is returned together with the resource

The update can happen as long as the token is still valid

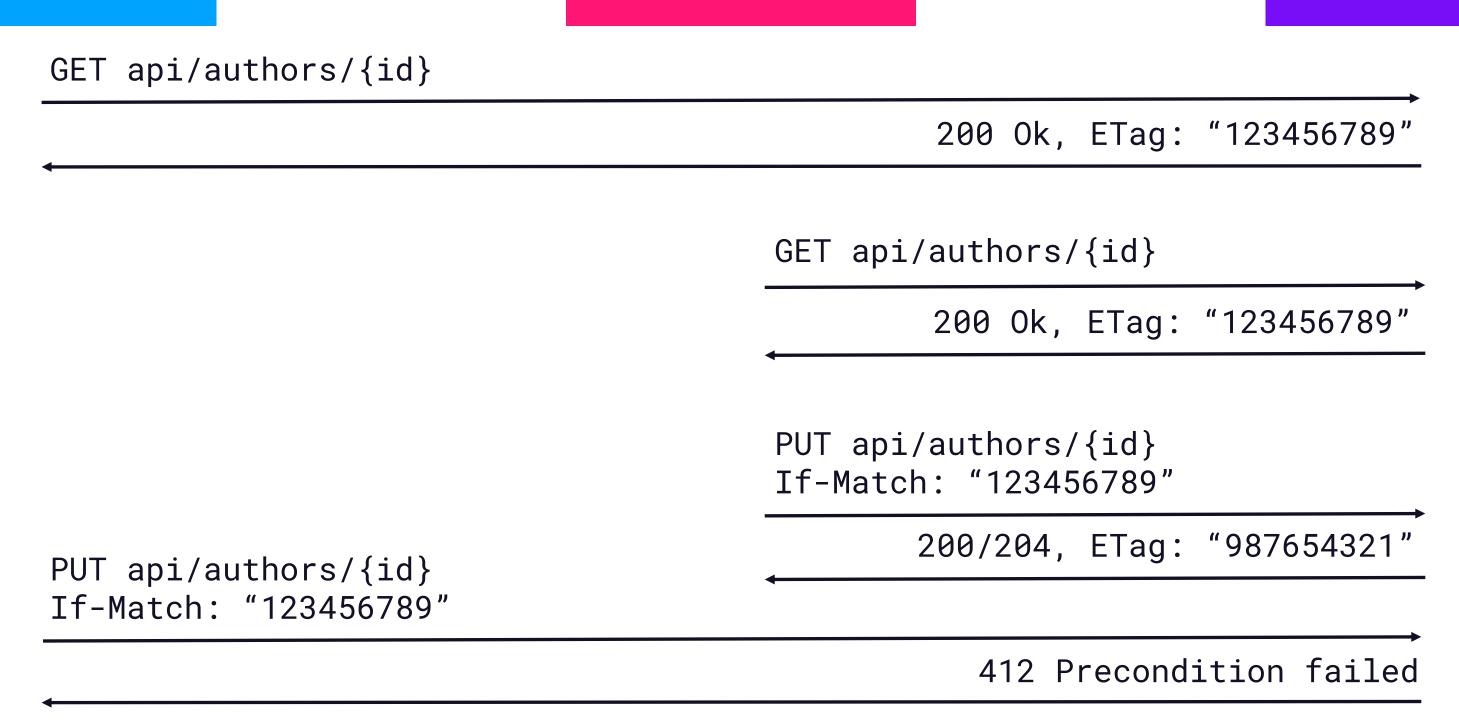
ETags are used as validation tokens

Supporting Concurrency in a RESTful World

Client 1 (Kevin)

Client 2 (Sven)

API



Demo



Supporting concurrency

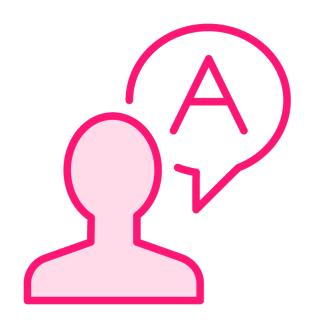
Summary

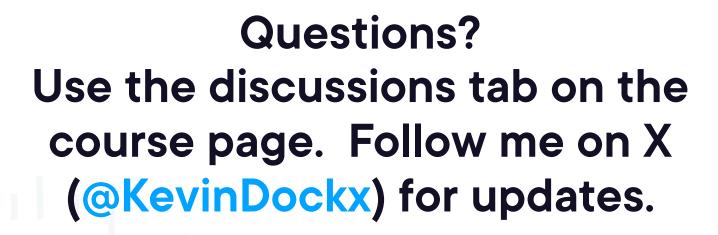


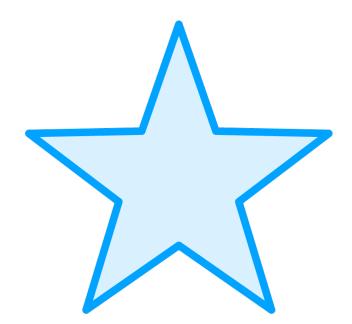
Use ETags as tokens/validators for an optimistic concurrency strategy

- Send as If-Match header value
- On mismatch, 412 Precondition Failed will be returned

The End is Nigh...







Please consider rating this course!:)



