Functional APIs

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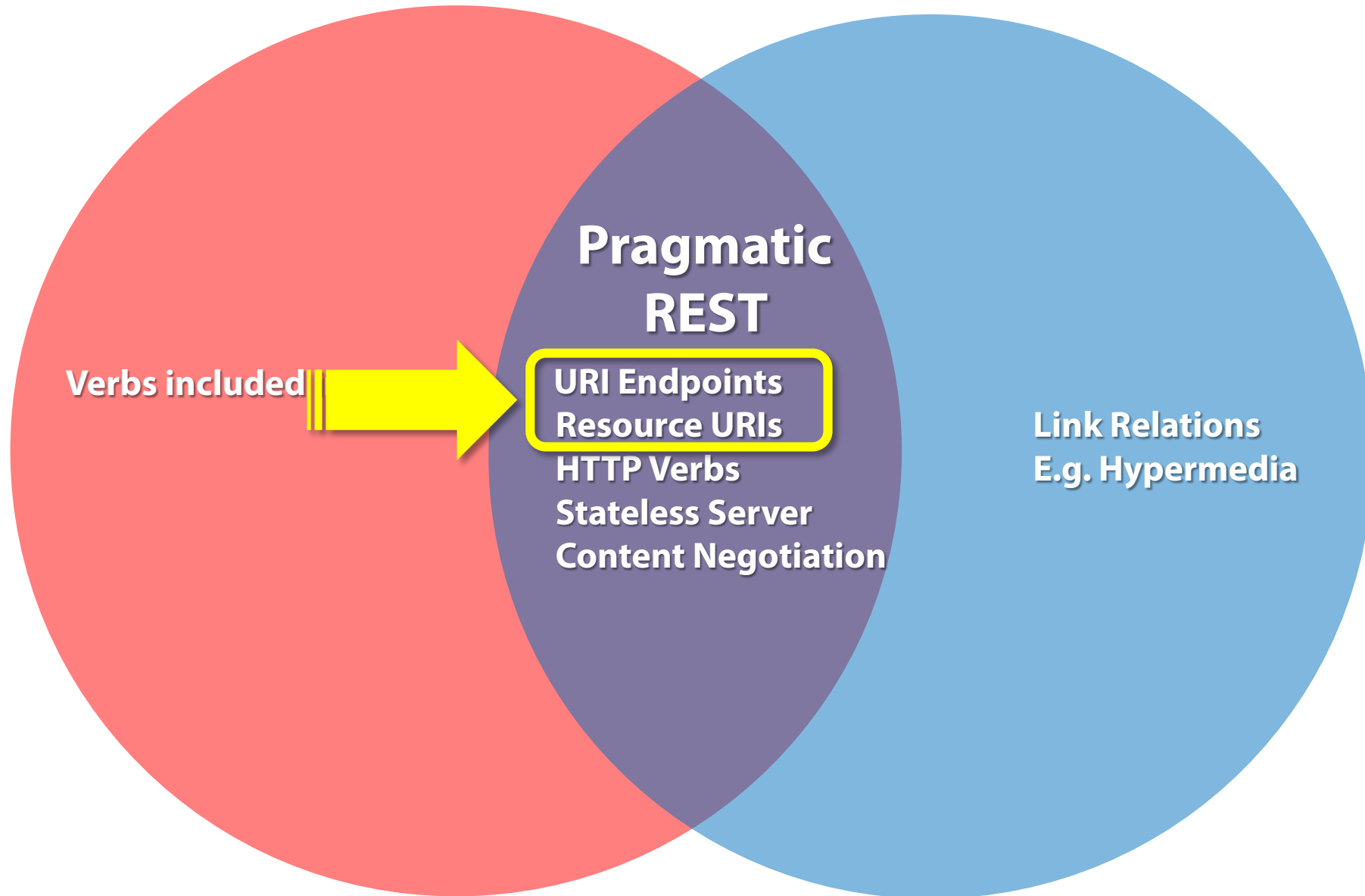
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This Module

Functional APIs

APIs on the Web

Verbs included

Pragmatic REST

URI Endpoints
Resource URIs
HTTP Verbs
Stateless Server
Content Negotiation

Link Relations
E.g. Hypermedia

Functional APIs

- REST defines that URIs should be resource based

  - But exceptions exist…

  - …don't be afraid to make occasional functional APIs

  - But avoid RPC style APIs at all costs

Functional APIs

- When should you use Functional APIs?

  - For operational needs

  - Avoid for reporting

    - E.g. If you're returning data, it's probably not a functional API

Demo

Functional Controller

What We've Learned

Functional APIs

REST is important, but be pragmatic

Create Functional APIs if necessary

Don't fall into the RPC trap