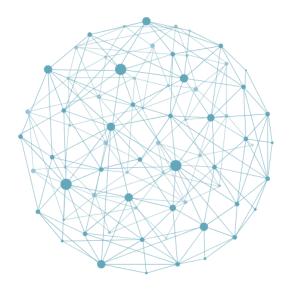
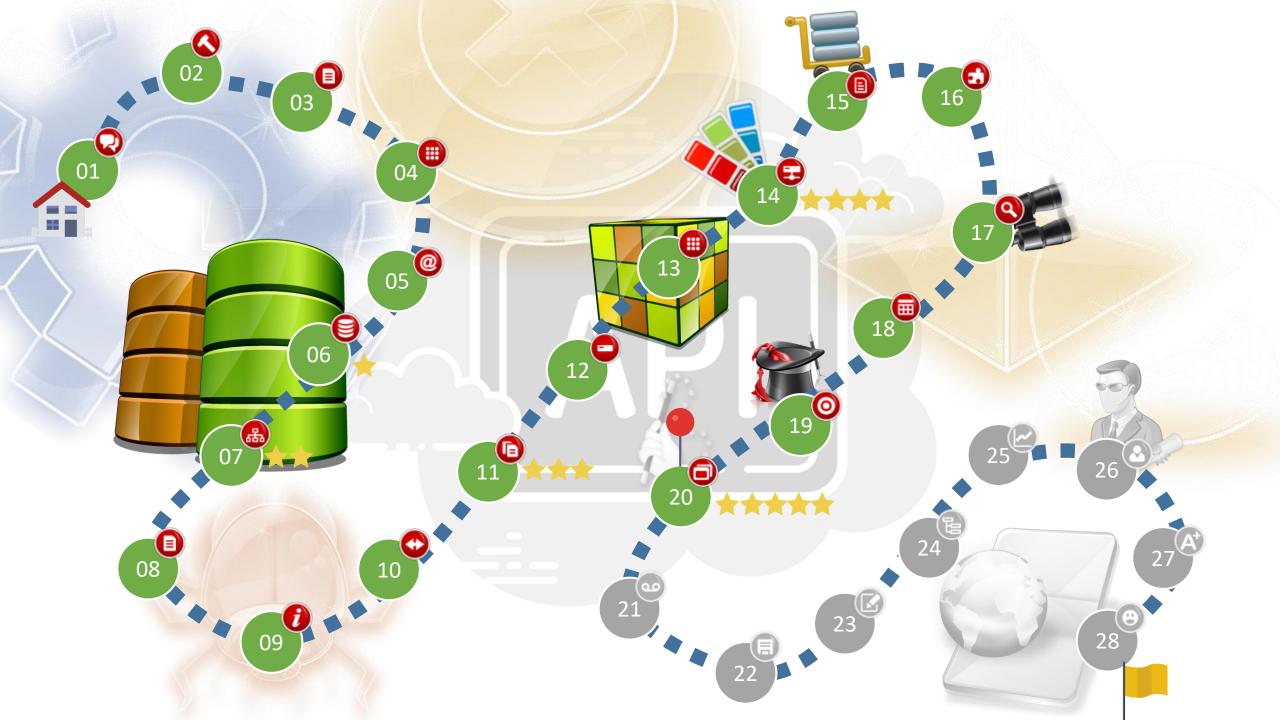


ZAFER CÖMERT Öğretim Üyesi



#### ASP.NET Core Web API



- HATEOAS
- Link, LinkResourseBase, LinkCollectionWrap
- Entity, Shaped Entity
- Entity, SnapeData Shaper
  - LinkResponse, LinkParameters
  - Service UpdateAPI Testing

- API kendine-kendine keşfedilebilir olur.
- Bir istemci API uygulama mantığını anlamak üzere bağlantıları kullanabilir.
- HATEOAS API üzerindeki değişiklikler kolaylıkla bağlantılara yansıtılabilir.
  - Sunucu uygulama durumunu yapısını takip eder.

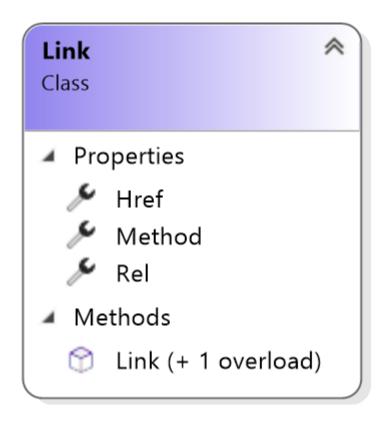
#### **HATEOAS**

- Bağlantı ilişkileri geliştirici dokümanlarını işaret edecek şekilde kullanılabilir.
- Hyperlinks yardımıyla versiyonlama kolaylıkla yapılabilir.
  - Geçersiz durum çağrılarının (*invalid state transactions calls*) sayısı azaltılabilir.
  - API, tüm istemcileri bozmadan geliştirilebilir.

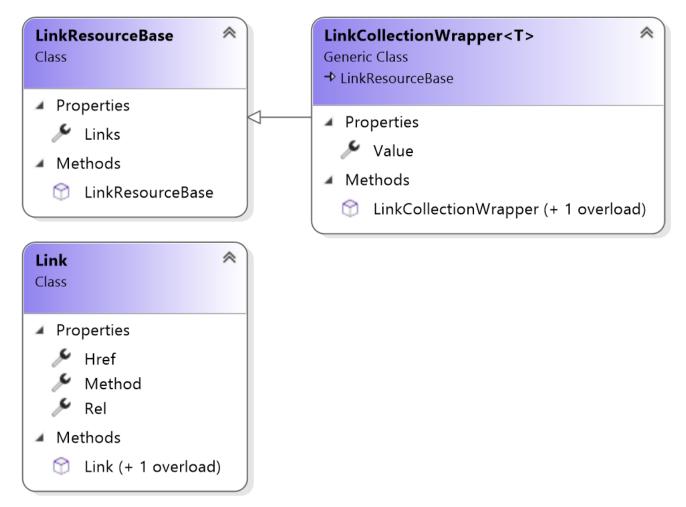
#### RESTFul API Tasarımı

Level 3 • Use hypermedia • HTTP methods to defines to Level 2 Olgunlaşma Seviyesi define operations on resources URIs for individual Level 1 resources. One URI Level 0 All operations POST

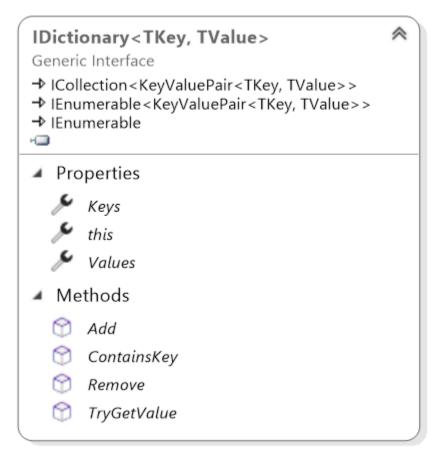
• HATEOAS



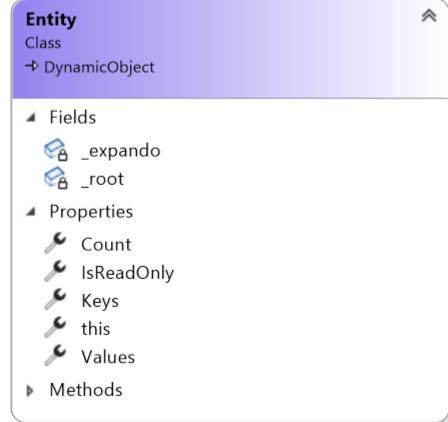


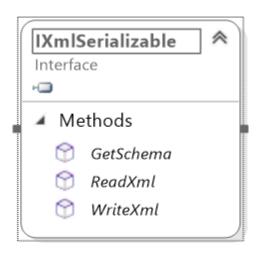


```
"value": [
                "Id": 14,
                "Title": "labore maxime possimus",
                "Links": [
                        "href": "https://localhost:7214/
8
                            api/books",
                        "rel": "self",
                        "method": "GET"
10
11
12
13
```

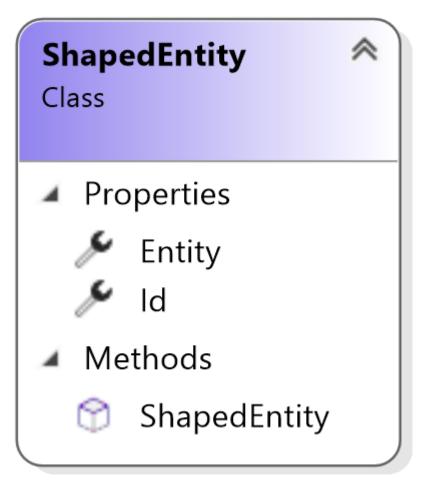


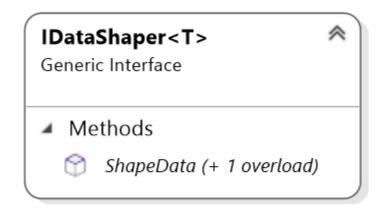
IXmlSerializable IDictionary<string, object>

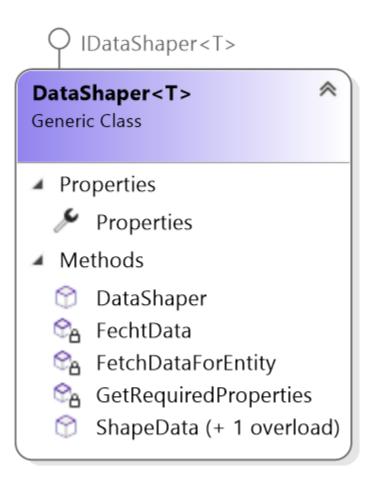


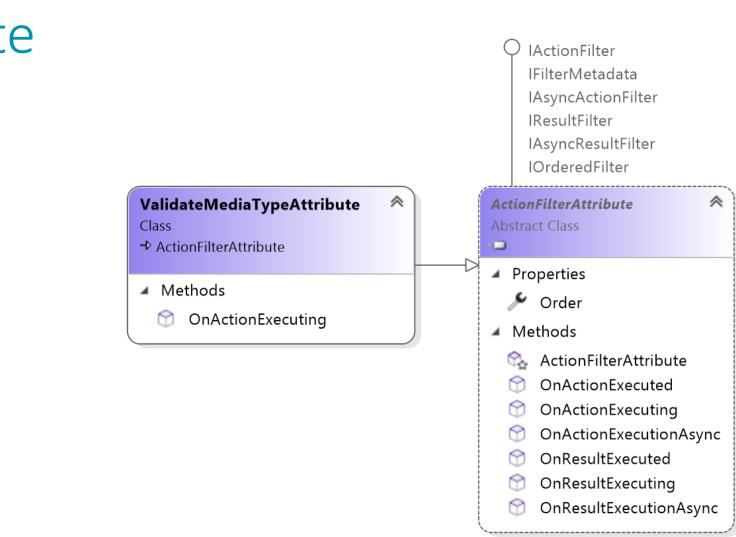


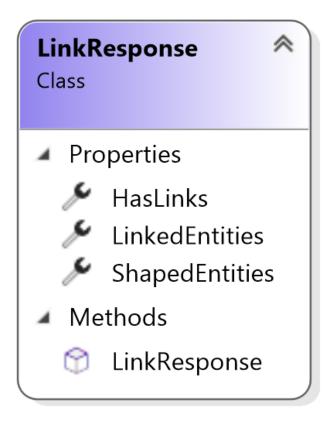
```
bsStoreApp - Entity.cs*
Entity.cs* → X
C# Entities
                         → CEntities.Models.Entity
           □namespace Entities.Models
                 public class Entity : DynamicObject,
     10
                      IXmlSerializable,
     11
                      IDictionary<string, object>
     12
     13
                      private readonly string root = "Entity";
     14
                      private readonly IDictionary<string, object>
     15
     16
                      1 reference
     17 <sup>®</sup>
                      public Entity()...
Ln: 20 Ch: 4 Col: 27 MIXED CRLF
```



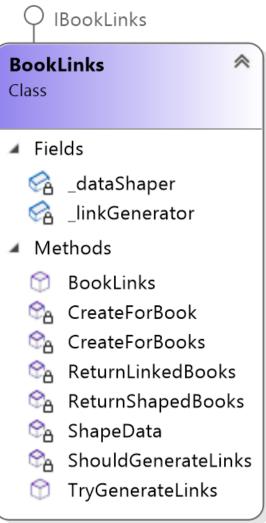


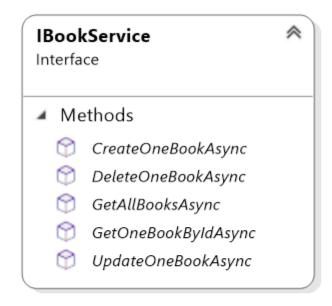


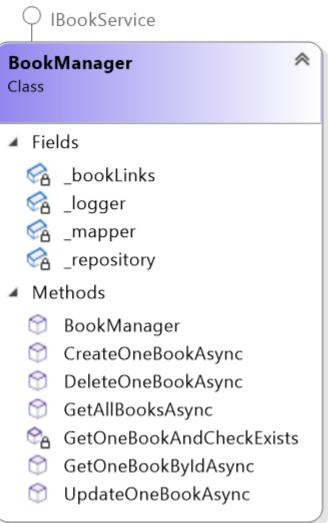


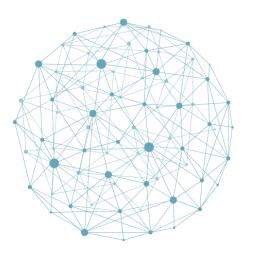












#### ASP.NET Core Web API

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