

BTK
AKADEMİ

Asp.Net ile Web Programlama

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Bölüm 10

API Tüketimi

Giriş

İçerik

- Veri Transfer Nesneleri
- Typed HttpClient
- Uygulamalar Entegrasyonu
- NewsService Hazırlanması
- NewsController
- API İstekleri
- API Sonuçlarının View nesnelere aktarılması

DTO

Veri Taşıma Katmanı

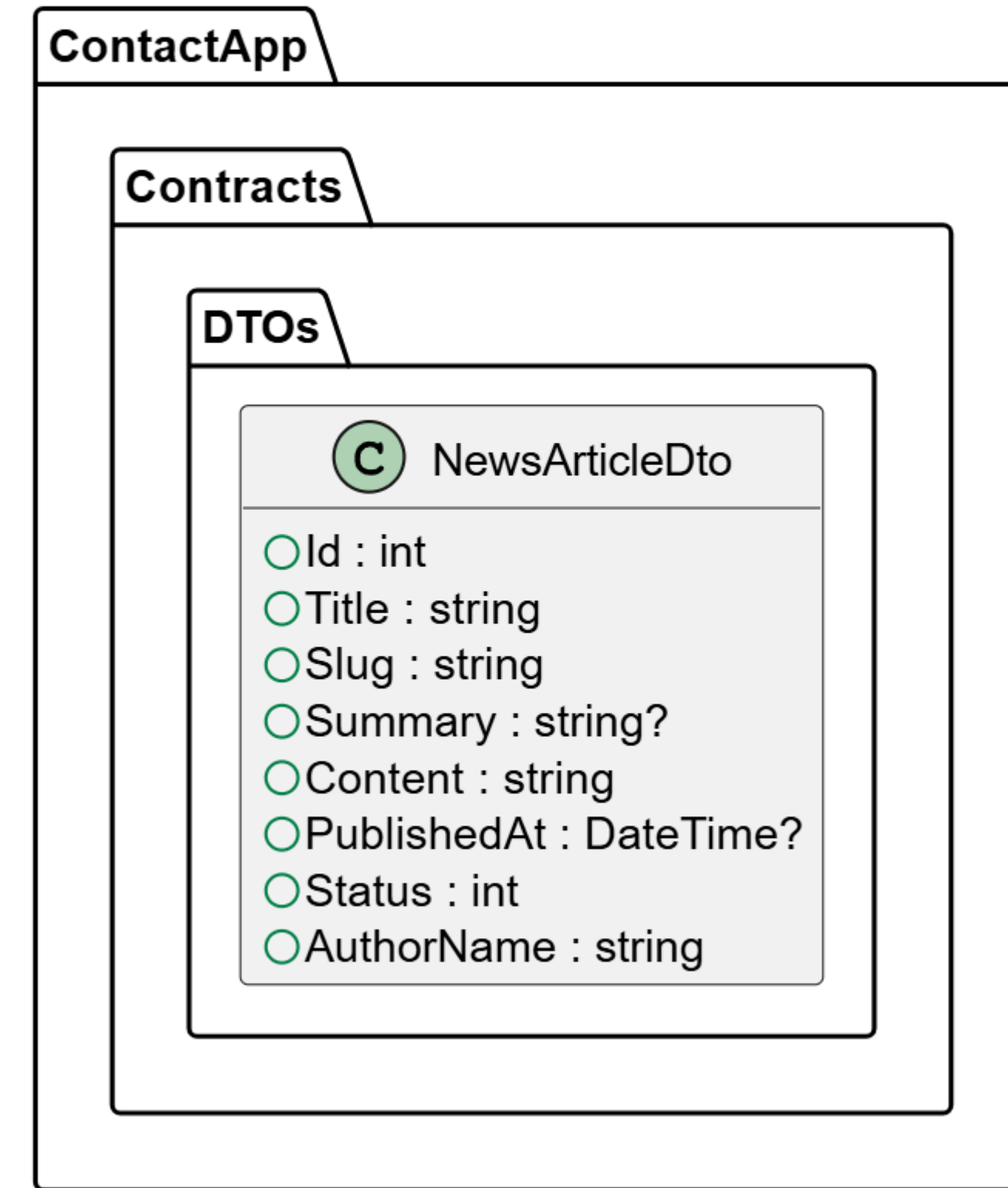
Katmanlar Arası Bağımsızlık

Model-DTO Dönüşümü

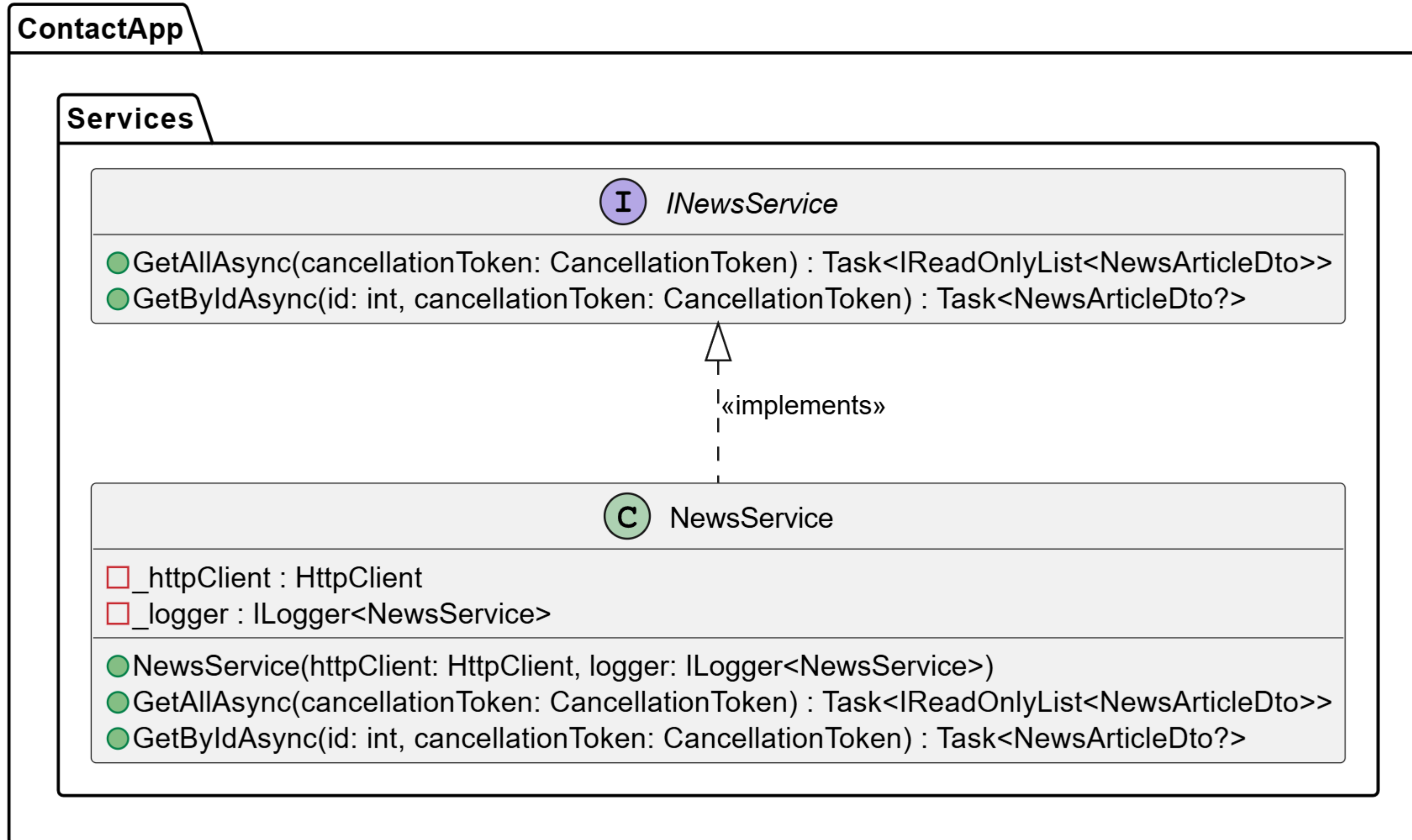
Performans ve Güvenlik

Sürdürülebilir Mimari Yapı

News Components - Class Diagram



News Components - Class Diagram



Typed HttpClient

Merkezi API İstemci Yönetimi

Tip Güvenli HttpClient Kullanımı

Bağımlılık Enjeksiyonu (DI) Entegrasyonu

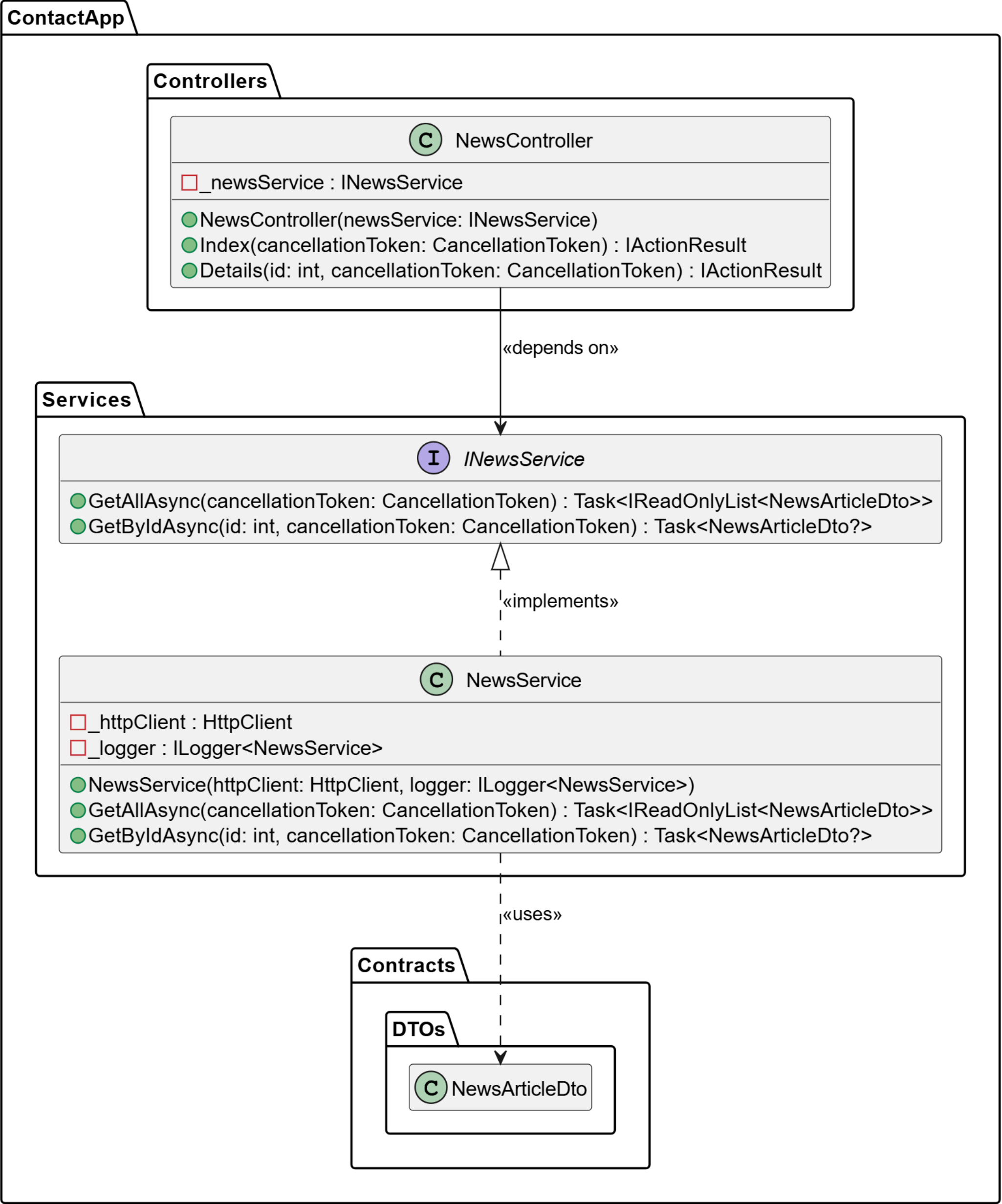
Performans ve Kaynak Verimliliği

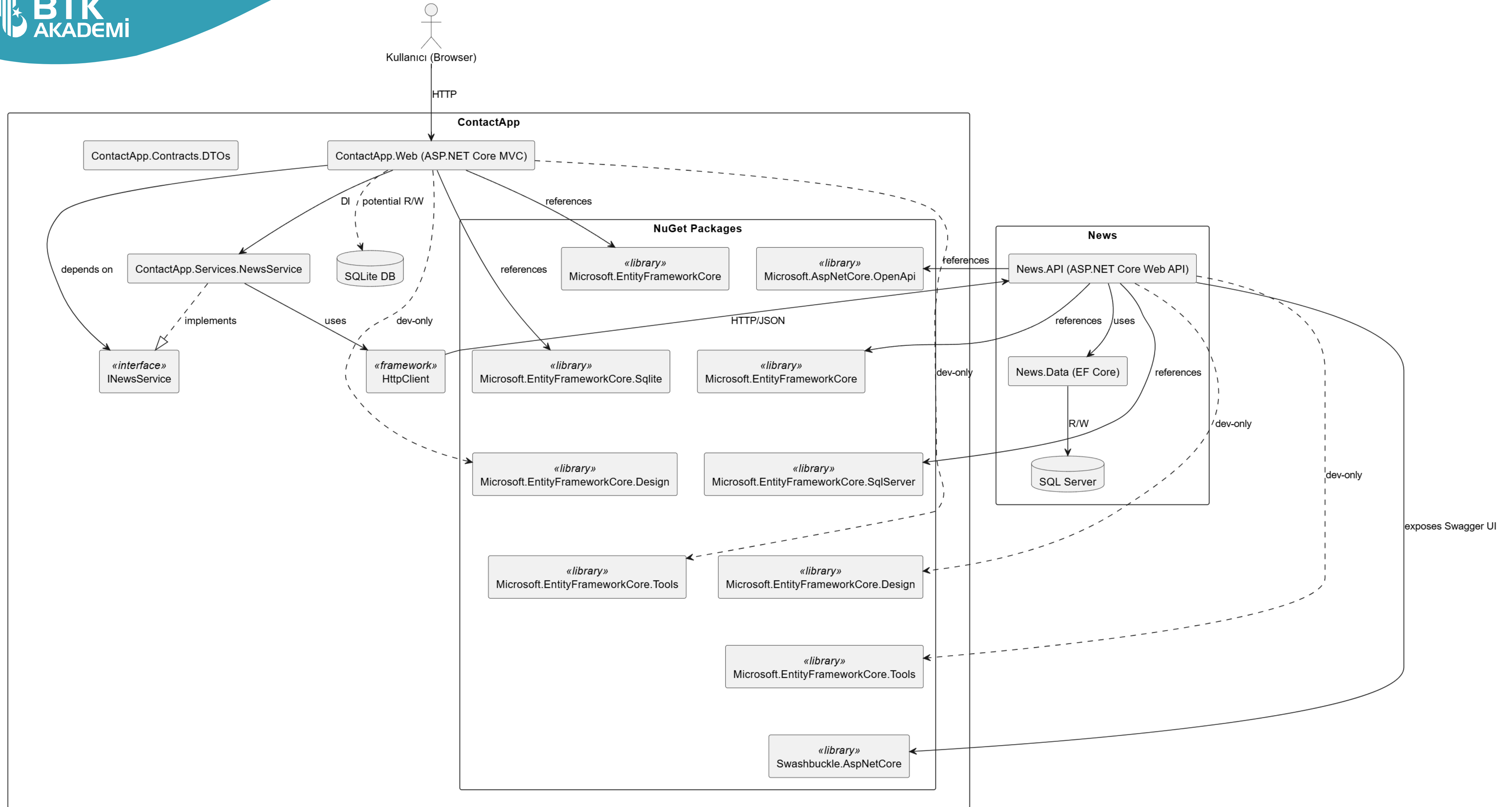
Test Edilebilir ve Genişletilebilir Mimari



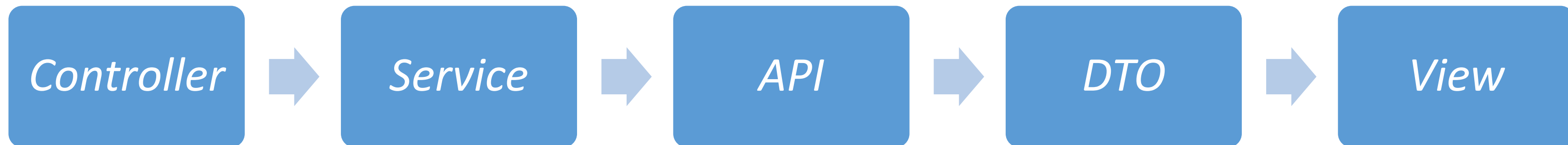
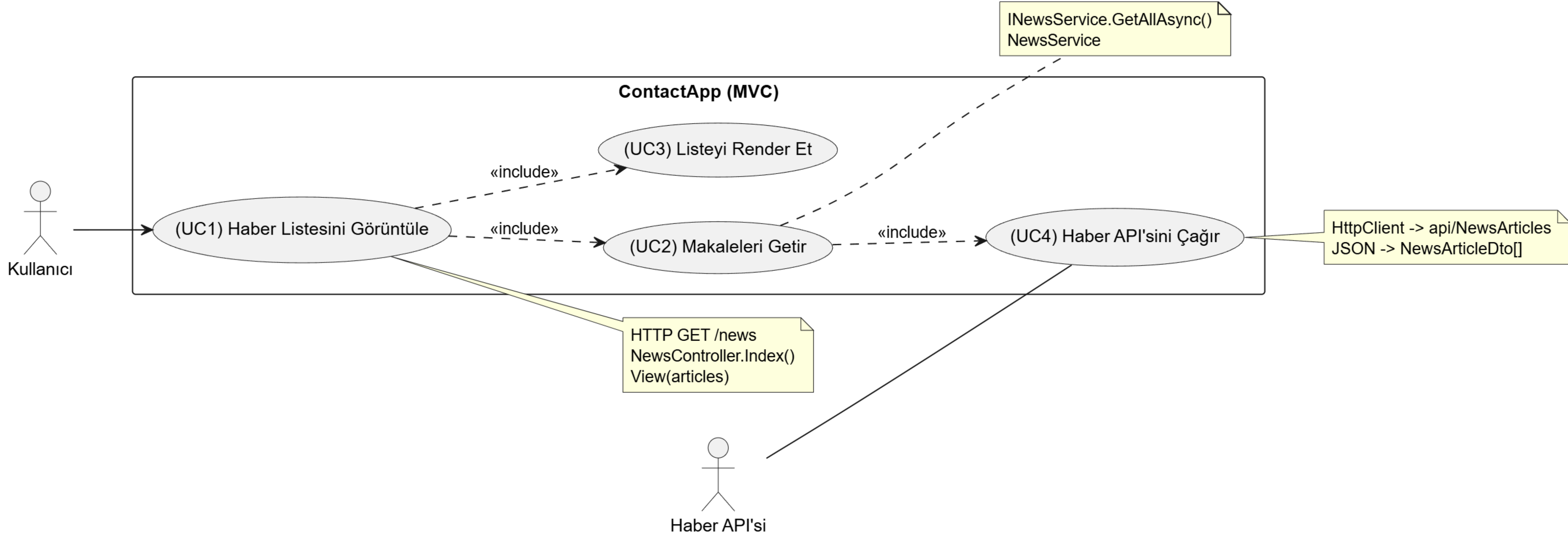
```
1 // Typed HttpClient for News API consumption
2 var apiBaseUrl = builder.Configuration["ApiBaseUrl"]
3     ?? "https://localhost:7208/";
4 builder.Services.AddHttpClient<INewsService,
5     NewsService>(client =>
6 {
7     client.BaseAddress = new Uri(apiBaseUrl);
8 });
```

News Components - Class Diagram

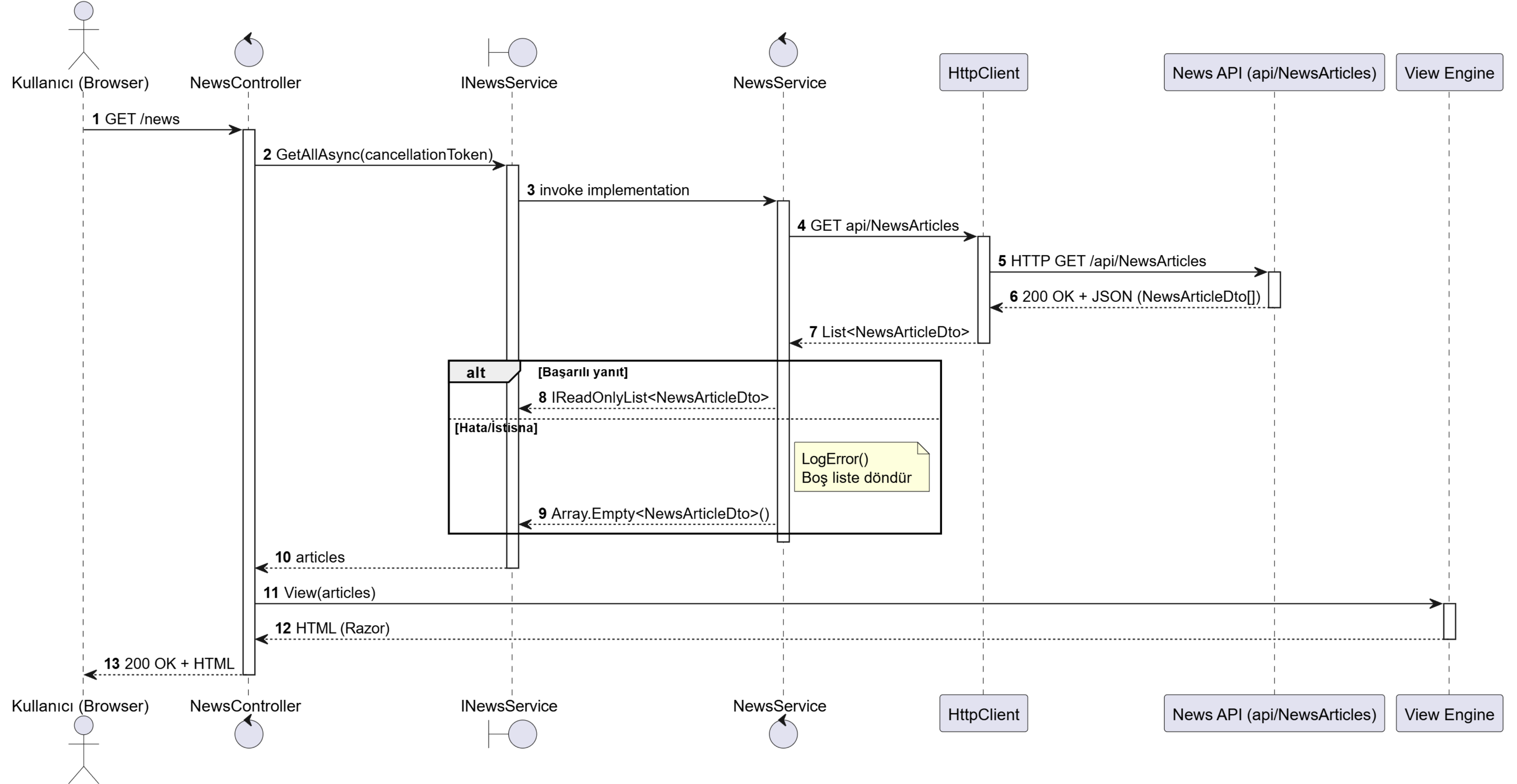




Use Case - NewsController.Index (GET /news)

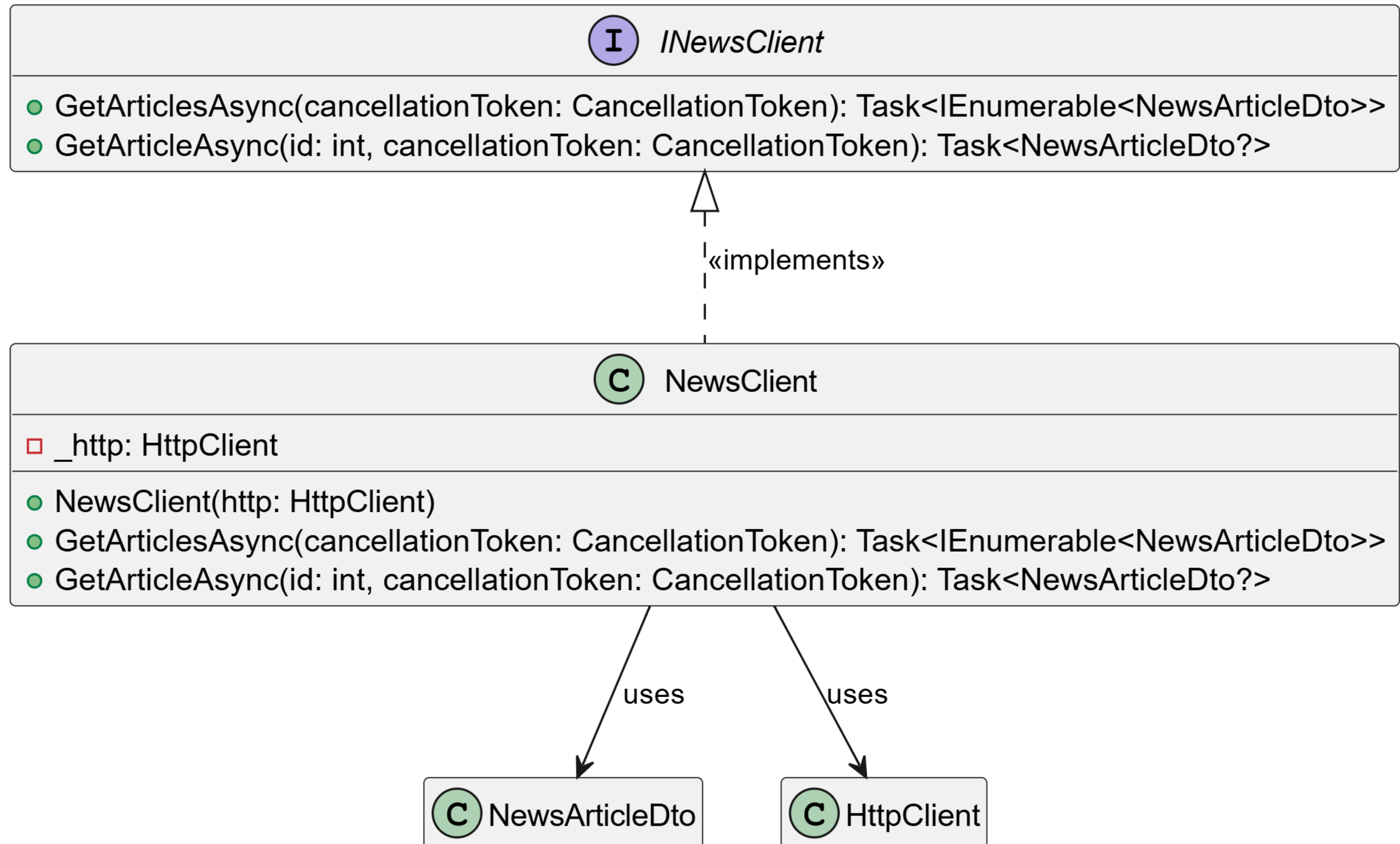


Sequence - NewsController.Index (GET /news)

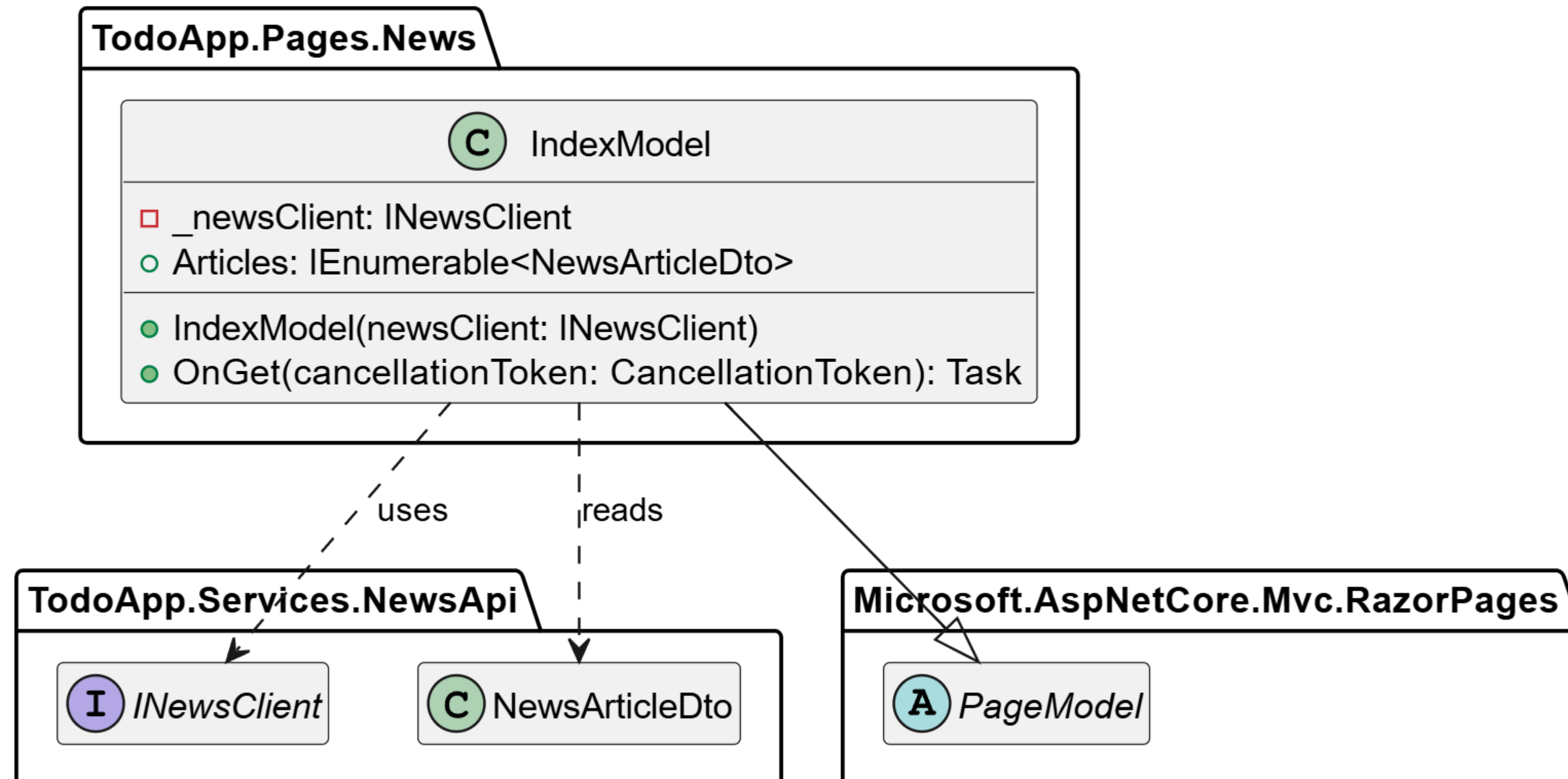


TodoApp.Services.NewsApi - Class Diagram

TodoApp.Services.NewsApi



TodoApp.Pages.News.IndexModel - Class Diagram



Teşekkürler

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Öğretim Üyesi