

Namespace ApiGateway

Classes

[Configuration](#)

[Utility](#)

Class Configuration

Namespace: [ApiGateway](#)

Assembly: ApiGateway.dll

```
public class Configuration
```

Inheritance

[object](#) ← Configuration

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

USE_CORS

```
public static string USE_CORS { get; }
```

Property Value

[string](#)

Class Utility

Namespace: [ApiGateway](#)

Assembly: ApiGateway.dll

```
public static class Utility
```

Inheritance

[object](#) ← Utility

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Methods

MergeJsonFiles(string[], string)

```
public static void MergeJsonFiles(string[] filePaths, string outputPath)
```

Parameters

filePaths [string](#)[]

outputPath [string](#)

Namespace ApiGateway.Middlewares

Classes

[TokenFromQueryMiddleware](#)

Class TokenFromQueryMiddleware

Namespace: [ApiGateway.Middlewares](#)

Assembly: ApiGateway.dll

```
public class TokenFromQueryMiddleware
```

Inheritance

[object](#) ← TokenFromQueryMiddleware

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

TokenFromQueryMiddleware(RequestDelegate)

```
public TokenFromQueryMiddleware(RequestDelegate next)
```

Parameters

next [RequestDelegate](#)

Methods

Invoke(HttpContext)

```
public Task Invoke(HttpContext context)
```

Parameters

context [HttpContext](#)

Returns

[Task ↗](#)

Namespace Authentication

Classes

[CustomAuthExtension](#)

Class CustomAuthExtension

Namespace: [Authentication](#)

Assembly: Authentication.dll

```
public static class CustomAuthExtension
```

Inheritance

[object](#) ← CustomAuthExtension

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Methods

AddCustomAuthentication(IServiceCollection, JwtSettings)

```
public static IServiceCollection AddCustomAuthentication(this IServiceCollection services, JwtSettings jwtSettings)
```

Parameters

services [IServiceCollection](#)

jwtSettings [JwtSettings](#)

Returns

[IServiceCollection](#)

ConfigureIdentityServices(IServiceCollection, IConfiguration)

```
public static IServiceCollection ConfigureIdentityServices(this IServiceCollection services, IConfiguration configuration)
```

Parameters

services [IServiceCollection](#)

configuration [IConfiguration](#)

Returns

[IServiceCollection](#)

UseIdentity(IApplicationBuilder)

```
public static IApplicationBuilder UseIdentity(this IApplicationBuilder app)
```

Parameters

app [IApplicationBuilder](#)

Returns

[IApplicationBuilder](#)

Namespace Authentication.Identity Classes

[Policy](#)

[Roles](#)

Class Policy

Namespace: [Authentication.Identity](#)

Assembly: Authentication.dll

```
public static class Policy
```

Inheritance

[object](#) ← Policy

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Fields

REQUIRE_ADMIN_ROLE

```
public const string REQUIRE_ADMIN_ROLE = "RequireAdminRole"
```

Field Value

[string](#)

REQUIRE_CLIENT_ROLE

```
public const string REQUIRE_CLIENT_ROLE = "RequireClientRole"
```

Field Value

[string](#)

REQUIRE_MANAGER_ROLE

```
public const string REQUIRE_MANAGER_ROLE = "RequireManagerRole"
```

Field Value

[string](#) ↗

Class Roles

Namespace: [Authentication.Identity](#)

Assembly: Authentication.dll

```
public static class Roles
```

Inheritance

[object](#) ← Roles

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Fields

ADMINISTRATOR

```
public const string ADMINISTRATOR = "Administrator"
```

Field Value

[string](#)

CLIENT

```
public const string CLIENT = "Client"
```

Field Value

[string](#)

MANAGER

```
public const string MANAGER = "Manager"
```

Field Value

[string](#) ↗

Namespace Authentication.Models

Classes

[AccessTokenData](#)

Class AccessTokenData

Namespace: [Authentication.Models](#)

Assembly: Authentication.dll

```
public class AccessTokenData
```

Inheritance

[object](#) ← AccessTokenData

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

AccessToken

```
public string? AccessToken { get; set; }
```

Property Value

[string](#)

RefreshToken

```
public string? RefreshToken { get; set; }
```

Property Value

[string](#)

RefreshTokenExpiryDate

```
public DateTime RefreshTokenExpiryDate { get; set; }
```

Property Value

[DateTime](#) ↗

Namespace Authentication OAuth Enums

[OAuthLoginProvider](#)

Enum OAuthLoginProvider

Namespace: [Authentication.OAuth](#)

Assembly: Authentication.dll

```
public enum OAuthLoginProvider
```

Fields

Google = 0

Namespace Authentication OAuth Google

Classes

[GoogleOAuthSettings](#)

[GoogleOAuthTokenResult](#)

[GoogleTokenValidator](#)

Interfaces

[IGoogleTokenValidator](#)

Class GoogleOAuthSettings

Namespace: [Authentication OAuth Google](#)

Assembly: Authentication.dll

```
public class GoogleOAuthSettings
```

Inheritance

[object](#) ← GoogleOAuthSettings

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

ClientId

```
public required string ClientId { get; set; }
```

Property Value

[string](#)

ClientSecret

```
public required string ClientSecret { get; set; }
```

Property Value

[string](#)

Scope

```
public required string Scope { get; set; }
```

Property Value

[string](#) ↗

Class GoogleOAuthTokenResult

Namespace: [Authentication OAuth Google](#)

Assembly: Authentication.dll

```
public class GoogleOAuthTokenResult
```

Inheritance

[object](#) ← GoogleOAuthTokenResult

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

AccessToken

```
[JsonProperty("access_token")]
public string? AccessToken { get; set; }
```

Property Value

[string](#)

ExpiresInSeconds

```
[JsonProperty("expires_in")]
public double ExpiresInSeconds { get; set; }
```

Property Value

[double](#)

IdToken

```
[JsonProperty("id_token")]
public string? IdToken { get; set; }
```

Property Value

[string](#)

RefreshToken

```
[JsonProperty("refresh_token")]
public string? RefreshToken { get; set; }
```

Property Value

[string](#)

Scope

```
[JsonProperty("scope")]
public string? Scope { get; set; }
```

Property Value

[string](#)

TokenType

```
[JsonProperty("token_type")]
public string? TokenType { get; set; }
```

Property Value

[string](#)

Class GoogleTokenValidator

Namespace: [Authentication OAuth Google](#)

Assembly: Authentication.dll

```
public class GoogleTokenValidator : IGoogleTokenValidator
```

Inheritance

[object](#) ← GoogleTokenValidator

Implements

[IGoogleTokenValidator](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Methods

ValidateAsync(string, ValidationSettings)

```
public Task<GoogleJsonWebSignature.Payload> ValidateAsync(string idToken,  
GoogleJsonWebSignature.ValidationSettings settings)
```

Parameters

idToken [string](#)

settings [GoogleJsonWebSignature](#).[ValidationSettings](#)

Returns

[Task](#)<[GoogleJsonWebSignature](#).[Payload](#)>

Interface IGoogleTokenValidator

Namespace: [Authentication OAuth Google](#)

Assembly: Authentication.dll

```
public interface IGoogleTokenValidator
```

Methods

ValidateAsync(string, ValidationSettings)

```
Task<GoogleJsonWebSignature.Payload> ValidateAsync(string idToken,  
GoogleJsonWebSignature.ValidationSettings settings)
```

Parameters

`idToken` [string](#)

`settings` [GoogleJsonWebSignature](#).[ValidationSettings](#)

Returns

[Task](#)<[GoogleJsonWebSignature](#).[Payload](#)>

Namespace Authentication.Token

Classes

[JwtConfiguration](#)

[JwtHandler](#)

[JwtSettings](#)

Interfaces

[ITokenHandler](#)

Interface ITokenHandler

Namespace: [Authentication.Token](#)

Assembly: Authentication.dll

```
public interface ITokenHandler
```

Methods

CreateToken<TKey>(IdentityUser<TKey>,
IList<string>)

```
AccessTokenData CreateToken<TKey>(IdentityUser<TKey> user, IList<string> roles)  
where TKey : IEquatable<TKey>
```

Parameters

user [IdentityUser](#)<TKey>

roles [IList](#)<[string](#)>

Returns

[AccessTokenData](#)

Type Parameters

TKey

GetPrincipalFromExpiredToken(string)

```
ClaimsPrincipal GetPrincipalFromExpiredToken(string token)
```

Parameters

token [string](#)

Returns

[ClaimsPrincipal](#)

Class JwtConfiguration

Namespace: [Authentication.Token](#)

Assembly: Authentication.dll

```
public static class JwtConfiguration
```

Inheritance

[object](#) ← JwtConfiguration

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

JWT_SETTINGS_AUDIENCE

```
public static string JWT_SETTINGS_AUDIENCE { get; }
```

Property Value

[string](#)

JWT_SETTINGS_EXPIRY_IN_MINUTES

```
public static string JWT_SETTINGS_EXPIRY_IN_MINUTES { get; }
```

Property Value

[string](#)

JWT_SETTINGS_ISSUER

```
public static string JWT_SETTINGS_ISSUER { get; }
```

Property Value

[string](#)

JWT_SETTINGS_KEY

```
public static string JWT_SETTINGS_KEY { get; }
```

Property Value

[string](#)

Class JwtHandler

Namespace: [Authentication.Token](#)

Assembly: Authentication.dll

```
public class JwtHandler : ITokenHandler
```

Inheritance

[object](#) ← JwtHandler

Implements

[ITokenHandler](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

JwtHandler(JwtSettings)

```
public JwtHandler(JwtSettings jwtSettings)
```

Parameters

jwtSettings [JwtSettings](#)

Methods

CreateToken<TKey>(IdentityUser<TKey>, IList<string>)

```
public AccessTokenData CreateToken<TKey>(IdentityUser<TKey> user, IList<string>  
roles) where TKey : IEquatable<TKey>
```

Parameters

user [IdentityUser](#)<TKey>

roles [IList](#)<[string](#)>

Returns

[AccessTokenData](#)

Type Parameters

TKey

GetPrincipalFromExpiredToken(string)

public ClaimsPrincipal GetPrincipalFromExpiredToken([string](#) token)

Parameters

token [string](#)

Returns

[ClaimsPrincipal](#)

Class JwtSettings

Namespace: [Authentication.Token](#)

Assembly: Authentication.dll

```
public class JwtSettings
```

Inheritance

[object](#) ← JwtSettings

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

Audience

```
public required string Audience { get; set; }
```

Property Value

[string](#)

ExpiryInMinutes

```
public required double ExpiryInMinutes { get; set; }
```

Property Value

[double](#)

Issuer

```
public required string Issuer { get; set; }
```

Property Value

[string](#) ↗

Key

```
public required string Key { get; set; }
```

Property Value

[string](#) ↗

Namespace Caching

Classes

[CacheExtensions](#)

[OutputCachePolicy](#)

[ServiceCollectionExtensions](#)

Class CacheExtensions

Namespace: [Caching](#)

Assembly: Caching.dll

```
public static class CacheExtensions
```

Inheritance

[object](#) ← CacheExtensions

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Methods

SetOutputCachePolicy(OutputCacheOptions, string, TimeSpan?, bool, Type?)

```
public static void SetOutputCachePolicy(this OutputCacheOptions options, string name, TimeSpan? duration = null, bool useAuthId = false, Type? type = null)
```

Parameters

options [OutputCacheOptions](#)

name [string](#)

duration [TimeSpan](#)?

useAuthId [bool](#)

type [Type](#)

TryGetAsync<T>(ICacheService, string, CancellationToken)

```
public static ValueTask<T?> TryGetAsync<T>(this ICacheService service, string key, CancellationToken cancellationToken)
```

Parameters

service [ICacheService](#)

key [string](#)

cancellationToken [CancellationToken](#)

Returns

[ValueTask](#)<T>

Type Parameters

T

TrySetAsync<T>(ICacheService, string, T, TimeSpan, CancellationToken)

```
public static Task<bool> TrySetAsync<T>(this ICacheService service, string key, T value, TimeSpan duration, CancellationToken cancellationToken)
```

Parameters

service [ICacheService](#)

key [string](#)

value T

duration [TimeSpan](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#) <[bool](#)>

Type Parameters

T

Class OutputCachePolicy

Namespace: [Caching](#)

Assembly: Caching.dll

```
public sealed class OutputCachePolicy : IOutputCachePolicy
```

Inheritance

[object](#) ← OutputCachePolicy

Implements

[IOutputCachePolicy](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Constructors

OutputCachePolicy(TimeSpan?, bool, params string[])

```
public OutputCachePolicy(TimeSpan? duration = null, bool useAuthenticationId = false, params string[] propertyNamesToCacheBy)
```

Parameters

duration [TimeSpan](#)?

useAuthenticationId [bool](#)

propertyNamesToCacheBy [string](#)[]

Methods

CacheRequestAsync(OutputCacheContext, CancellationToken)

```
public ValueTask CacheRequestAsync(OutputCacheContext context,  
CancellationToken cancellationToken)
```

Parameters

context [OutputCacheContext](#)

cancellationToken [CancellationToken](#)

Returns

[ValueTask](#)

ServeFromCacheAsync(OutputCacheContext, CancellationToken)

```
public ValueTask ServeFromCacheAsync(OutputCacheContext context,  
CancellationToken cancellationToken)
```

Parameters

context [OutputCacheContext](#)

cancellationToken [CancellationToken](#)

Returns

[ValueTask](#)

ServeResponseAsync(OutputCacheContext, CancellationToken)

```
public ValueTask ServeResponseAsync(OutputCacheContext context,  
CancellationToken cancellationToken)
```

Parameters

context [OutputCacheContext](#)

cancellationToken [CancellationToken](#)

Returns

[ValueTask](#)

Class ServiceCollectionExtensions

Namespace: [Caching](#)

Assembly: Caching.dll

```
public static class ServiceCollectionExtensions
```

Inheritance

[object](#) ← ServiceCollectionExtensions

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Methods

AddCachingHelper(IServiceCollection)

```
public static IServiceCollection AddCachingHelper(this IServiceCollection services)
```

Parameters

services [IServiceCollection](#)

Returns

[IServiceCollection](#)

Namespace Caching.Helpers

Classes

[CachingHelper](#)

Interfaces

[ICachingHelper](#)

Class CachingHelper

Namespace: [Caching.Helpers](#)

Assembly: Caching.dll

```
public class CachingHelper : ICachingHelper
```

Inheritance

[object](#) ← CachingHelper

Implements

[ICachingHelper](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Methods

GetCacheKey(string, HttpContext)

```
public string GetCacheKey(string prefix, HttpContext context)
```

Parameters

prefix [string](#)

context [HttpContext](#)

Returns

[string](#)

Interface ICachingHelper

Namespace: [Caching.Helpers](#)

Assembly: Caching.dll

```
public interface ICachingHelper
```

Methods

GetCacheKey(string, HttpContext)

```
string GetCacheKey(string prefix, HttpContext context)
```

Parameters

prefix [string](#)

context [HttpContext](#)

Returns

[string](#)

Namespace Caching.Services

Classes

[InMemoryCacheService](#)

Interfaces

[ICacheService](#)

Interface ICacheService

Namespace: [Caching.Services](#)

Assembly: Caching.dll

```
public interface ICacheService
```

Extension Methods

[CacheExtensions.TryGetAsync<T>\(ICacheService, string, CancellationToken\)](#) ,
[CacheExtensions.TrySetAsync<T>\(ICacheService, string, T, TimeSpan, CancellationToken\)](#)

Methods

GetAsync(string, CancellationToken)

```
ValueTask<string?> GetAsync(string key, CancellationToken cancellationToken)
```

Parameters

key [string](#)

cancellationToken [CancellationToken](#)

Returns

[ValueTask](#)<[string](#)>

RemoveKeyAsync(string, CancellationToken)

```
ValueTask<bool> RemoveKeyAsync(string key, CancellationToken cancellationToken)
```

Parameters

key [string](#)

cancellationToken [CancellationToken](#)

Returns

[ValueTask](#)<[bool](#)>

SetAsync(string, string, TimeSpan, CancellationToken)

```
ValueTask<bool> SetAsync(string key, string value, TimeSpan duration,  
CancellationToken cancellationToken)
```

Parameters

key [string](#)

value [string](#)

duration [TimeSpan](#)

cancellationToken [CancellationToken](#)

Returns

[ValueTask](#)<[bool](#)>

Class InMemoryCacheService

Namespace: [Caching.Services](#)

Assembly: Caching.dll

```
public class InMemoryCacheService : ICacheService
```

Inheritance

[object](#) ← InMemoryCacheService

Implements

[ICacheService](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Extension Methods

[CacheExtensions.TryGetAsync<T>\(ICacheService, string, CancellationToken\)](#) ,
[CacheExtensions.TrySetAsync<T>\(ICacheService, string, T, TimeSpan, CancellationToken\)](#)

Constructors

InMemoryCacheService(IMemoryCache,
ILogger<InMemoryCacheService>)

```
public InMemoryCacheService(IMemoryCache memoryCache, ILogger<InMemoryCacheService>  
logger)
```

Parameters

memoryCache [IMemoryCache](#)

logger [ILogger](#)<InMemoryCacheService>

Methods

GetAsync(string, CancellationToken)

```
public ValueTask<string?> GetAsync(string key, CancellationToken cancellationToken)
```

Parameters

key [string](#)

cancellationToken [CancellationToken](#)

Returns

[ValueTask](#)<[string](#)>

RemoveKeyAsync(string, CancellationToken)

```
public ValueTask<bool> RemoveKeyAsync(string key, CancellationToken cancellationToken)
```

Parameters

key [string](#)

cancellationToken [CancellationToken](#)

Returns

[ValueTask](#)<[bool](#)>

SetAsync(string, string, TimeSpan, CancellationToken)

```
public ValueTask<bool> SetAsync(string key, string value, TimeSpan duration, CancellationToken cancellationToken)
```

Parameters

key [string](#)

value [string](#)

duration [TimeSpan](#)

cancellationToken [CancellationToken](#)

Returns

[ValueTask](#) <[bool](#)>

Namespace DatabaseControl

Classes

[ApplicationBuilderExtensions](#)

[DatabaseConfiguration](#)

[ServiceCollectionExtensions](#)

Class ApplicationBuilderExtensions

Namespace: [DatabaseControl](#)

Assembly: DatabaseControl.dll

```
public static class ApplicationBuilderExtensions
```

Inheritance

[object](#) ← ApplicationBuilderExtensions

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Methods

ConfigureDatabaseAsync<TContext>
(IApplicationBuilder, CancellationToken)

```
public static Task<IApplicationBuilder> ConfigureDatabaseAsync<TContext>(this  
IApplicationBuilder builder, CancellationToken cancellationToken) where TContext  
: DbContext
```

Parameters

builder [IApplicationBuilder](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[IApplicationBuilder](#)>

Type Parameters

TContext

Class DatabaseConfiguration

Namespace: [DatabaseControl](#)

Assembly: DatabaseControl.dll

```
public static class DatabaseConfiguration
```

Inheritance

[object](#) ← DatabaseConfiguration

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

REPOSITORY_RESILIENCE_PIPELINE

```
public static string REPOSITORY_RESILIENCE_PIPELINE { get; }
```

Property Value

[string](#)

Class ServiceCollectionExtensions

Namespace: [DatabaseControl](#)

Assembly: DatabaseControl.dll

```
public static class ServiceCollectionExtensions
```

Inheritance

[object](#) ← ServiceCollectionExtensions

Inherited Members

[object.Equals\(object\)](#), [object.Equals\(object, object\)](#), [object.GetHashCode\(\)](#),
[object.GetType\(\)](#), [object.MemberwiseClone\(\)](#), [object.ReferenceEquals\(object, object\)](#),
[object.ToString\(\)](#)

Methods

AddDbContextFactory<Context>(IServiceCollection,
string, string?,
Action<NpgsqlDbContextOptionsBuilder>?,
Action<DbContextOptionsBuilder>?)

```
public static IServiceCollection AddDbContextFactory<Context>(this  
IServiceCollection services, string connectionString, string? migrationAssembly =  
null, Action<NpgsqlDbContextOptionsBuilder>? dbAdditionalConfig = null,  
Action<DbContextOptionsBuilder>? additionalConfig = null) where Context : DbContext
```

Parameters

services [IServiceCollection](#)

connectionString [string](#)

migrationAssembly [string](#)

dbAdditionalConfig [Action](#)<NpgsqlDbContextOptionsBuilder>

additionalConfig [Action](#)<DbContextOptionsBuilder>

Returns

[IServiceCollection](#)

Type Parameters

Context

AddRepositoryWithResilience<Context>
(IServiceCollection, IConfiguration)

```
public static IServiceCollection AddRepositoryWithResilience<Context>(this  
IServiceCollection services, IConfiguration configuration) where Context : DbContext
```

Parameters

services [IServiceCollection](#)

configuration [IConfiguration](#)

Returns

[IServiceCollection](#)

Type Parameters

Context

Namespace EventSourcing

Classes

[EventDispatcher](#)

Interfaces

[IEventDispatcher](#)

[IEventHandler<TEvent>](#)

Class EventDispatcher

Namespace: [EventSourcing](#)

Assembly: EventSourcing.dll

```
public class EventDispatcher : IEventDispatcher
```

Inheritance

[object](#) ← EventDispatcher

Implements

[IEventDispatcher](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

EventDispatcher(IServiceProvider)

```
public EventDispatcher(IServiceProvider serviceProvider)
```

Parameters

serviceProvider [IServiceProvider](#)

Methods

DispatchAsync<TEvent>(TEvent, CancellationToken)

```
public Task DispatchAsync<TEvent>(TEvent @event, CancellationToken  
cancellationToken)
```

Parameters

event TEvent

cancellationToken [CancellationToken](#)

Returns

[Task](#)

Type Parameters

TEvent

Interface IEventDispatcher

Namespace: [EventSourcing](#)

Assembly: EventSourcing.dll

```
public interface IEventDispatcher
```

Methods

DispatchAsync<TEvent>(TEvent, CancellationToken)

Task `DispatchAsync<TEvent>(TEvent @event, CancellationToken cancellationToken)`

Parameters

`event TEvent`

`cancellationToken CancellationToken`

Returns

[Task](#)

Type Parameters

`TEvent`

Interface IEventHandler<TEvent>

Namespace: [EventSourcing](#)

Assembly: EventSourcing.dll

```
public interface IEventHandler<TEvent>
```

Type Parameters

TEvent

Methods

HandleAsync(TEvent, CancellationToken)

Task `HandleAsync(TEvent @event, CancellationToken cancellationToken)`

Parameters

`event` TEvent

`cancellationToken` [CancellationToken](#)

Returns

[Task](#)

Namespace ExceptionHandling

Classes

[AuthorizationException](#)

[ExceptionMiddleware](#)

[ExceptionMiddlewareExtensions](#)

[ResponseError](#)

[ServiceCollectionExtensions](#)

Class AuthorizationException

Namespace: [ExceptionHandling](#)

Assembly: ExceptionHandling.dll

```
public class AuthorizationException : Exception, ISerializable
```

Inheritance

[object](#) ← [Exception](#) ← AuthorizationException

Implements

[ISerializable](#)

Inherited Members

[Exception.GetBaseException\(\)](#) , [Exception.GetType\(\)](#) , [Exception.Data](#) ,
[Exception.HelpLink](#) , [Exception.HResult](#) , [Exception.InnerException](#) ,
[Exception.Message](#) , [Exception.Source](#) , [Exception.StackTrace](#) , [Exception.TargetSite](#) ,
[Exception.SerializeObjectState](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,
[object.GetHashCode\(\)](#) , [object.MemberwiseClone\(\)](#) ,
[object.ReferenceEquals\(object, object\)](#)

Constructors

AuthorizationException(IEnumerable<string>)

```
public AuthorizationException(IEnumerable<string> errors)
```

Parameters

errors [IEnumerable](#)<[string](#)>

AuthorizationException(string)

```
public AuthorizationException(string error)
```

Parameters

`error` [string](#)

Properties

Errors

```
public IEnumerable<string> Errors { get; }
```

Property Value

[IEnumerable](#)<[string](#)>

Methods

ToString()

Creates and returns a string representation of the current exception.

```
public override string ToString()
```

Returns

[string](#)

A string representation of the current exception.

Class ExceptionMiddleware

Namespace: [ExceptionHandling](#)

Assembly: ExceptionHandling.dll

```
public class ExceptionMiddleware
```

Inheritance

[object](#) ← ExceptionMiddleware

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

ExceptionMiddleware(RequestDelegate,
ILogger<ExceptionMiddleware>)

```
public ExceptionMiddleware(RequestDelegate next, ILogger<ExceptionMiddleware>  
logger)
```

Parameters

next [RequestDelegate](#)

logger [ILogger](#)<ExceptionMiddleware>

Methods

InvokeAsync(HttpContext)

```
public Task InvokeAsync(HttpContext httpContext)
```

Parameters

`HttpContext` [HttpContext](#)

Returns

[Task](#)

Class ExceptionMiddlewareExtensions

Namespace: [ExceptionHandling](#)

Assembly: ExceptionHandling.dll

```
public static class ExceptionMiddlewareExtensions
```

Inheritance

[object](#) ← ExceptionMiddlewareExtensions

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Methods

UseExceptionMiddleware(IApplicationBuilder)

```
public static IApplicationBuilder UseExceptionMiddleware(this  
IApplicationBuilder builder)
```

Parameters

builder [IApplicationBuilder](#)

Returns

[IApplicationBuilder](#)

Class ResponseError

Namespace: [ExceptionHandling](#)

Assembly: ExceptionHandling.dll

```
public class ResponseError
```

Inheritance

[object](#) ← ResponseError

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#)

Properties

Messages

```
public string[]? Messages { get; set; }
```

Property Value

[string](#)[]

StatusCode

```
public string? StatusCode { get; set; }
```

Property Value

[string](#)

Methods

ToString()

Returns a string that represents the current object.

```
public override string ToString()
```

Returns

string

A string that represents the current object.

Class ServiceCollectionExtensions

Namespace: [ExceptionHandling](#)

Assembly: ExceptionHandling.dll

```
public static class ServiceCollectionExtensions
```

Inheritance

[object](#) ← ServiceCollectionExtensions

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Methods

ConfigureCustomModelStateResponseControllers(IServiceCollection)

```
public static IServiceCollection  
ConfigureCustomModelStateResponseControllers(this IServiceCollection  
services)
```

Parameters

services [IServiceCollection](#)

Returns

[IServiceCollection](#)

Namespace LibraryApi

Classes

[AutoMapperProfile](#)

[Configuration](#)

Class AutoMapperProfile

Namespace: [LibraryApi](#)

Assembly: LibraryApi.dll

```
public class AutoMapperProfile : Profile, IProfileExpression, IProfileConfiguration
```

Inheritance

[object](#) ← Profile ← AutoMapperProfile

Implements

IProfileExpression, IProfileConfiguration

Inherited Members

Profile.DisableConstructorMapping() , Profile.CreateProjection<TSource, TDestination>() ,
Profile.CreateProjection<TSource, TDestination>(MemberList) ,
Profile.CreateMap<TSource, TDestination>() ,
Profile.CreateMap<TSource, TDestination>(MemberList) , [Profile.CreateMap\(Type, Type\)](#) ,
[Profile.CreateMap\(Type, Type, MemberList\)](#) , Profile.ClearPrefixes() ,
[Profile.ReplaceMemberName\(string, string\)](#) , [Profile.RecognizePrefixes\(params string\[\]\)](#) ,
[Profile.RecognizePostfixes\(params string\[\]\)](#) ,
[Profile.RecognizeDestinationPrefixes\(params string\[\]\)](#) ,
[Profile.RecognizeDestinationPostfixes\(params string\[\]\)](#) , [Profile.AddGlobalIgnore\(string\)](#) ,
[Profile.IncludeSourceExtensionMethods\(Type\)](#) , Profile.ProfileName ,
Profile.AllowNullDestinationValues , Profile.AllowNullCollections ,
Profile.ShouldMapProperty , Profile.ShouldMapField , Profile.ShouldMapMethod ,
Profile.ShouldUseConstructor , Profile.SourceMemberNamingConvention ,
Profile.DestinationMemberNamingConvention , Profile.ValueTransformers ,
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

AutoMapperProfile()

```
public AutoMapperProfile()
```

Class Configuration

Namespace: [LibraryApi](#)

Assembly: LibraryApi.dll

```
public static class Configuration
```

Inheritance

[object](#) ← Configuration

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

EF_CREATE_DATABASE

```
public static string EF_CREATE_DATABASE { get; }
```

Property Value

[string](#)

LIBRARY_DATABASE_CONNECTION_STRING

```
public static string LIBRARY_DATABASE_CONNECTION_STRING { get; }
```

Property Value

[string](#)

Namespace LibraryApi.Controllers

Classes

[AuthorController](#)

[BaseLibraryEntityController< TEntity, TGetResponse, TCreateRequest, TCreateResponse, TUpdateRequest, TUpdateResponse, TFilterRequest >](#)

[BookController](#)

[GenreController](#)

[PublisherController](#)

Class AuthorController

Namespace: [LibraryApi.Controllers](#)

Assembly: LibraryApi.dll

```
[Authorize]
[Route("author")]
[ApiController]
public class AuthorController : BaseLibraryEntityController<Author,
AuthorResponse, CreateAuthorRequest, AuthorResponse, UpdateAuthorRequest,
AuthorResponse, LibraryFilterRequest>
```

Inheritance

```
object ↳ ← ControllerBase ↳ ←
BaseLibraryEntityController<Author, AuthorResponse, CreateAuthorRequest, Author
Response, UpdateAuthorRequest, AuthorResponse, LibraryFilterRequest> ←
AuthorController
```

Inherited Members

```
BaseLibraryEntityController<Author, AuthorResponse, CreateAuthorRequest,
AuthorResponse, UpdateAuthorRequest, AuthorResponse,
LibraryFilterRequest>.entityService ,
BaseLibraryEntityController<Author, AuthorResponse, CreateAuthorRequest,
AuthorResponse, UpdateAuthorRequest, AuthorResponse, LibraryFilterRequest>.mapper ,
BaseLibraryEntityController<Author, AuthorResponse, CreateAuthorRequest,
AuthorResponse, UpdateAuthorRequest, AuthorResponse,
LibraryFilterRequest>.GetById(int, CancellationToken) ,
BaseLibraryEntityController<Author, AuthorResponse, CreateAuthorRequest,
AuthorResponse, UpdateAuthorRequest, AuthorResponse,
LibraryFilterRequest>.GetByIds(GetByIdsRequest, CancellationToken) ,
BaseLibraryEntityController<Author, AuthorResponse, CreateAuthorRequest,
AuthorResponse, UpdateAuthorRequest, AuthorResponse,
LibraryFilterRequest>.GetPaginated(LibraryFilterRequest, CancellationToken) ,
BaseLibraryEntityController<Author, AuthorResponse, CreateAuthorRequest,
AuthorResponse, UpdateAuthorRequest, AuthorResponse,
LibraryFilterRequest>.GetItemTotalAmount(LibraryFilterRequest, CancellationToken) ,
BaseLibraryEntityController<Author, AuthorResponse, CreateAuthorRequest,
AuthorResponse, UpdateAuthorRequest, AuthorResponse,
LibraryFilterRequest>.Create(CreateAuthorRequest, CancellationToken) ,
```

[BaseLibraryEntityController<Author, AuthorResponse, CreateAuthorRequest, AuthorResponse, UpdateAuthorRequest, AuthorResponse, LibraryFilterRequest>.Update\(UpdateAuthorRequest, CancellationToken\)](#),
[BaseLibraryEntityController<Author, AuthorResponse, CreateAuthorRequest, AuthorResponse, UpdateAuthorRequest, AuthorResponse, LibraryFilterRequest>.DeleteById\(int, CancellationToken\)](#),
 [ControllerBase.StatusCode\(int\) ↗](#), [ControllerBase.StatusCode\(int, object\) ↗](#),
 [ControllerBase.Content\(string\) ↗](#), [ControllerBase.Content\(string, string\) ↗](#),
 [ControllerBase.Content\(string, string, Encoding\) ↗](#),
 [ControllerBase.Content\(string, MediaTypeHeaderValue\) ↗](#), [ControllerBase.NoContent\(\) ↗](#),
 [ControllerBase.Ok\(\) ↗](#), [ControllerBase.Ok\(object\) ↗](#), [ControllerBase.Redirect\(string\) ↗](#),
 [ControllerBase.RedirectPermanent\(string\) ↗](#),
 [ControllerBase.RedirectPreserveMethod\(string\) ↗](#),
 [ControllerBase.RedirectPermanentPreserveMethod\(string\) ↗](#),
 [ControllerBase.LocalRedirect\(string\) ↗](#), [ControllerBase.LocalRedirectPermanent\(string\) ↗](#),
 [ControllerBase.LocalRedirectPreserveMethod\(string\) ↗](#),
 [ControllerBase.LocalRedirectPermanentPreserveMethod\(string\) ↗](#),
 [ControllerBase.RedirectToAction\(\) ↗](#), [ControllerBase.RedirectToAction\(string\) ↗](#),
 [ControllerBase.RedirectToAction\(string, object\) ↗](#),
 [ControllerBase.RedirectToAction\(string, string\) ↗](#),
 [ControllerBase.RedirectToAction\(string, string, object\) ↗](#),
 [ControllerBase.RedirectToAction\(string, string, string\) ↗](#),
 [ControllerBase.RedirectToAction\(string, string, object, string\) ↗](#),
 [ControllerBase.RedirectToActionPreserveMethod\(string, string, object, string\) ↗](#),
 [ControllerBase.RedirectToActionPermanent\(string\) ↗](#),
 [ControllerBase.RedirectToActionPermanent\(string, object\) ↗](#),
 [ControllerBase.RedirectToActionPermanent\(string, string\) ↗](#),
 [ControllerBase.RedirectToActionPermanent\(string, string, string\) ↗](#),
 [ControllerBase.RedirectToActionPermanent\(string, string, object\) ↗](#),
 [ControllerBase.RedirectToActionPermanent\(string, string, object, string\) ↗](#),
 [ControllerBase.RedirectToActionPermanentPreserveMethod\(string, string, object, string\) ↗](#),
 [ControllerBase.RedirectToRoute\(string\) ↗](#), [ControllerBase.RedirectToRoute\(object\) ↗](#),
 [ControllerBase.RedirectToRoute\(string, object\) ↗](#),
 [ControllerBase.RedirectToRoute\(string, string\) ↗](#),
 [ControllerBase.RedirectToRoute\(string, object, string\) ↗](#),
 [ControllerBase.RedirectToRoutePreserveMethod\(string, object, string\) ↗](#),
 [ControllerBase.RedirectToRoutePermanent\(string\) ↗](#),
 [ControllerBase.RedirectToRoutePermanent\(object\) ↗](#),
 [ControllerBase.RedirectToRoutePermanent\(string, object\) ↗](#),
 [ControllerBase.RedirectToRoutePermanent\(string, string\) ↗](#),

[ControllerBase.RedirectToRoutePermanent\(string, object, string\)](#) ,
 [ControllerBase.RedirectToRoutePermanentPreserveMethod\(string, object, string\)](#) ,
 [ControllerBase.RedirectToPage\(string\)](#) , [ControllerBase.RedirectToPage\(string, object\)](#) ,
 [ControllerBase.RedirectToPage\(string, string\)](#) ,
 [ControllerBase.RedirectToPage\(string, string, object\)](#) ,
 [ControllerBase.RedirectToPage\(string, string, string\)](#) ,
 [ControllerBase.RedirectToPage\(string, string, object, string\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, object\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, string\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, string, string\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, string, object, string\)](#) ,
 [ControllerBase.RedirectToPagePreserveMethod\(string, string, object, string\)](#) ,
 [ControllerBase.RedirectToPagePermanentPreserveMethod\(string, string, object, string\)](#) ,
 [ControllerBase.File\(byte\[\], string\)](#) , [ControllerBase.File\(byte\[\], string, bool\)](#) ,
 [ControllerBase.File\(byte\[\], string, string\)](#) ,
 [ControllerBase.File\(byte\[\], string, string, bool\)](#) ,
 [ControllerBase.File\(byte\[\], string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(byte\[\], string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(byte\[\], string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(byte\[\], string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(Stream, string\)](#) , [ControllerBase.File\(Stream, string, bool\)](#) ,
 [ControllerBase.File\(Stream, string, string\)](#) ,
 [ControllerBase.File\(Stream, string, string, bool\)](#) ,
 [ControllerBase.File\(Stream, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(Stream, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(Stream, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(Stream, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(string, string\)](#) , [ControllerBase.File\(string, string, bool\)](#) ,
 [ControllerBase.File\(string, string, string\)](#) , [ControllerBase.File\(string, string, string, bool\)](#) ,
 [ControllerBase.File\(string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(string, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(string, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.PhysicalFile\(string, string\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, bool\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, string\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, string, bool\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,

[ControllerBase.PhysicalFile\(string, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.Unauthorized\(\)](#) , [ControllerBase.Unauthorized\(object\)](#) ,
 [ControllerBase.NotFound\(\)](#) , [ControllerBase.NotFound\(object\)](#) ,
 [ControllerBase.BadRequest\(\)](#) , [ControllerBase.BadRequest\(object\)](#) ,
 [ControllerBase.BadRequest\(ModelStateDictionary\)](#) ,
 [ControllerBase.UnprocessableEntity\(\)](#) , [ControllerBase.UnprocessableEntity\(object\)](#) ,
 [ControllerBase.UnprocessableEntity\(ModelStateDictionary\)](#) , [ControllerBase.Conflict\(\)](#) ,
 [ControllerBase.Conflict\(object\)](#) , [ControllerBase.Conflict\(ModelStateDictionary\)](#) ,
 [ControllerBase.Problem\(string, string, int?, string, string\)](#) ,
 [ControllerBase.ValidationProblem\(ValidationProblemDetails\)](#) ,
 [ControllerBase.ValidationProblem\(ModelStateDictionary\)](#) ,
 [ControllerBase.ValidationProblem\(\)](#) ,
 [ControllerBase.ValidationProblem\(string, string, int?, string, string, ModelStateDictionary\)](#) ,

,
 [ControllerBase.Created\(\)](#) , [ControllerBase.Created\(string, object\)](#) ,
 [ControllerBase.Created\(Uri, object\)](#) , [ControllerBase.CreatedAtAction\(string, object\)](#) ,
 [ControllerBase.CreatedAtAction\(string, object, object\)](#) ,
 [ControllerBase.CreatedAtAction\(string, string, object, object\)](#) ,
 [ControllerBase.CreatedAtRoute\(string, object\)](#) ,
 [ControllerBase.CreatedAtRoute\(object, object\)](#) ,
 [ControllerBase.CreatedAtRoute\(string, object, object\)](#) , [ControllerBase.Accepted\(\)](#) ,
 [ControllerBase.Accepted\(object\)](#) , [ControllerBase.Accepted\(Uri\)](#) ,
 [ControllerBase.Accepted\(string\)](#) , [ControllerBase.Accepted\(string, object\)](#) ,
 [ControllerBase.Accepted\(Uri, object\)](#) , [ControllerBase.AcceptedAtAction\(string\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, string\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, object\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, string, object\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, object, object\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, string, object, object\)](#) ,
 [ControllerBase.AcceptedAtRoute\(object\)](#) , [ControllerBase.AcceptedAtRoute\(string\)](#) ,
 [ControllerBase.AcceptedAtRoute\(string, object\)](#) ,
 [ControllerBase.AcceptedAtRoute\(object, object\)](#) ,
 [ControllerBase.AcceptedAtRoute\(string, object, object\)](#) , [ControllerBase.Challenge\(\)](#) ,
 [ControllerBase.Challenge\(params string\[\]\)](#) ,
 [ControllerBase.Challenge\(AuthenticationProperties\)](#) ,
 [ControllerBase.Challenge\(AuthenticationProperties, params string\[\]\)](#) ,
 [ControllerBase.Forbid\(\)](#) , [ControllerBase.Forbid\(params string\[\]\)](#) ,
 [ControllerBase.Forbid\(AuthenticationProperties\)](#) ,

[ControllerBase.Forbid\(AuthenticationProperties, params string\[\]\)](#) ,
 [ControllerBase.SignIn\(ClaimsPrincipal\)](#) , [ControllerBase.SignIn\(ClaimsPrincipal, string\)](#) ,
 [ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties\)](#) ,
 [ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties, string\)](#) ,
 [ControllerBase.SignOut\(\)](#) , [ControllerBase.SignOut\(AuthenticationProperties\)](#) ,
 [ControllerBase.SignOut\(params string\[\]\)](#) ,
 [ControllerBase.SignOut\(AuthenticationProperties, params string\[\]\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, params
Expression<Func<TModel, object>>\[\]\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, Func<ModelMetadata,
bool>\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, params
Expression<Func<TModel, object>>\[\]\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider,
Func<ModelMetadata, bool>\)](#) ,
 [ControllerBase.TryUpdateModelAsync\(object, Type, string\)](#) ,
 [ControllerBase.TryUpdateModelAsync\(object, Type, string, IValueProvider,
Func<ModelMetadata, bool>\)](#) ,
 [ControllerBase.TryValidateModel\(object\)](#) ,
 [ControllerBase.TryValidateModel\(object, string\)](#) , [ControllerBase.HttpContext](#) ,
 [ControllerBase.Request](#) , [ControllerBase.Response](#) , [ControllerBase.RouteData](#) ,
 [ControllerBase.ModelState](#) , [ControllerBase.ControllerContext](#) ,
 [ControllerBase.MetadataProvider](#) , [ControllerBase.ModelBinderFactory](#) ,
 [ControllerBase.Url](#) , [ControllerBase.ObjectValidator](#) ,
 [ControllerBase.ProblemDetailsFactory](#) , [ControllerBase.User](#) , [ControllerBase.Empty](#) ,
 [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
 [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
 [object.ToString\(\)](#)

Constructors

AuthorController(ILibraryEntityService<Author>,
IMapper)

```
public AuthorController(ILibraryEntityService<Author> entityService, IMapper mapper)
```

Parameters

entityService [ILibraryEntityService<Author>](#)

mapper [IMapper](#)

Class BaseLibraryEntityController<TEntity, TGetResponse, TCreateRequest, TCreateResponse, TUpdateRequest, TUpdateResponse, TFilterRequest>

Namespace: [LibraryApi.Controllers](#)

Assembly: LibraryApi.dll

```
[Authorize]
[ApiController]
public abstract class BaseLibraryEntityController<TEntity, TGetResponse,
TCreateRequest, TCreateResponse, TUpdateRequest, TUpdateResponse, TFilterRequest>
: ControllerBase where TEntity : BaseLibraryEntity where TFilterRequest
: LibraryFilterRequest
```

Type Parameters

TEntity

TGetResponse

TCreateRequest

TCreateResponse

TUpdateRequest

TUpdateResponse

TFilterRequest

Inheritance

[object](#) ↵ [ControllerBase](#) ↵

BaseLibraryEntityController<TEntity, TGetResponse, TCreateRequest, TCreateResponse, TUpdateRequest, TUpdateResponse, TFilterRequest>

Derived

[AuthorController](#), [BookController](#), [GenreController](#), [PublisherController](#)

Inherited Members

[ControllerBase.StatusCode\(int\)](#) , [ControllerBase.StatusCode\(int, object\)](#) ,
 [ControllerBase.Content\(string\)](#) , [ControllerBase.Content\(string, string\)](#) ,
 [ControllerBase.Content\(string, string, Encoding\)](#) ,
 [ControllerBase.Content\(string, MediaTypeHeaderValue\)](#) , [ControllerBase.NoContent\(\)](#) ,
 [ControllerBase.Ok\(\)](#) , [ControllerBase.Ok\(object\)](#) , [ControllerBase.Redirect\(string\)](#) ,
 [ControllerBase.RedirectPermanent\(string\)](#) ,
 [ControllerBase.RedirectPreserveMethod\(string\)](#) ,
 [ControllerBase.RedirectPermanentPreserveMethod\(string\)](#) ,
 [ControllerBase.LocalRedirect\(string\)](#) , [ControllerBase.LocalRedirectPermanent\(string\)](#) ,
 [ControllerBase.LocalRedirectPreserveMethod\(string\)](#) ,
 [ControllerBase.LocalRedirectPermanentPreserveMethod\(string\)](#) ,
 [ControllerBase.RedirectToAction\(\)](#) , [ControllerBase.RedirectToAction\(string\)](#) ,
 [ControllerBase.RedirectToAction\(string, object\)](#) ,
 [ControllerBase.RedirectToAction\(string, string\)](#) ,
 [ControllerBase.RedirectToAction\(string, string, object\)](#) ,
 [ControllerBase.RedirectToAction\(string, string, string\)](#) ,
 [ControllerBase.RedirectToAction\(string, string, object, string\)](#) ,
 [ControllerBase.RedirectToActionPreserveMethod\(string, string, object, string\)](#) ,
 [ControllerBase.RedirectToActionPermanent\(string\)](#) ,
 [ControllerBase.RedirectToActionPermanent\(string, object\)](#) ,
 [ControllerBase.RedirectToActionPermanent\(string, string\)](#) ,
 [ControllerBase.RedirectToActionPermanent\(string, string, string\)](#) ,
 [ControllerBase.RedirectToActionPermanent\(string, string, object\)](#) ,
 [ControllerBase.RedirectToActionPermanent\(string, string, object, string\)](#) ,
 [ControllerBase.RedirectToActionPermanentPreserveMethod\(string, string, object, string\)](#) ,
 [ControllerBase.RedirectToRoute\(string\)](#) , [ControllerBase.RedirectToRoute\(object\)](#) ,
 [ControllerBase.RedirectToRoute\(string, object\)](#) ,
 [ControllerBase.RedirectToRoute\(string, string\)](#) ,
 [ControllerBase.RedirectToRoute\(string, object, string\)](#) ,
 [ControllerBase.RedirectToRoutePreserveMethod\(string, object, string\)](#) ,
 [ControllerBase.RedirectToRoutePermanent\(string\)](#) ,
 [ControllerBase.RedirectToRoutePermanent\(object\)](#) ,
 [ControllerBase.RedirectToRoutePermanent\(string, object\)](#) ,
 [ControllerBase.RedirectToRoutePermanent\(string, string\)](#) ,
 [ControllerBase.RedirectToRoutePermanent\(string, object, string\)](#) ,
 [ControllerBase.RedirectToRoutePermanentPreserveMethod\(string, object, string\)](#) ,
 [ControllerBase.RedirectToPage\(string\)](#) , [ControllerBase.RedirectToPage\(string, object\)](#) ,
 [ControllerBase.RedirectToPage\(string, string\)](#) ,
 [ControllerBase.RedirectToPage\(string, string, object\)](#) ,
 [ControllerBase.RedirectToPage\(string, string, string\)](#) ,

[ControllerBase.RedirectToPage\(string, string, object, string\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, object\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, string\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, string, string\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, string, object, string\)](#) ,
 [ControllerBase.RedirectToPagePreserveMethod\(string, string, object, string\)](#) ,
 [ControllerBase.RedirectToPagePermanentPreserveMethod\(string, string, object, string\)](#) ,
 [ControllerBase.File\(byte\[\], string\)](#) , [ControllerBase.File\(byte\[\], string, bool\)](#) ,
 [ControllerBase.File\(byte\[\], string, string\)](#) ,
 [ControllerBase.File\(byte\[\], string, string, bool\)](#) ,
 [ControllerBase.File\(byte\[\], string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(byte\[\], string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(byte\[\], string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(byte\[\], string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(Stream, string\)](#) , [ControllerBase.File\(Stream, string, bool\)](#) ,
 [ControllerBase.File\(Stream, string, string\)](#) ,
 [ControllerBase.File\(Stream, string, string, bool\)](#) ,
 [ControllerBase.File\(Stream, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(Stream, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(Stream, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(Stream, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(string, string\)](#) , [ControllerBase.File\(string, string, bool\)](#) ,
 [ControllerBase.File\(string, string, string\)](#) , [ControllerBase.File\(string, string, string, bool\)](#) ,
 [ControllerBase.File\(string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(string, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(string, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.PhysicalFile\(string, string\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, bool\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, string\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, string, bool\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.Unauthorized\(\)](#) , [ControllerBase.Unauthorized\(object\)](#) ,
 [ControllerBase.NotFound\(\)](#) , [ControllerBase.NotFound\(object\)](#) ,
 [ControllerBase.BadRequest\(\)](#) , [ControllerBase.BadRequest\(object\)](#) ,

[ControllerBase.BadRequest\(ModelStateDictionary\)](#) ,
 [ControllerBase.UnprocessableEntity\(\)](#) , [ControllerBase.UnprocessableEntity\(object\)](#) ,
 [ControllerBase.UnprocessableEntity\(ModelStateDictionary\)](#) , [ControllerBase.Conflict\(\)](#) ,
 [ControllerBase.Conflict\(object\)](#) , [ControllerBase.Conflict\(ModelStateDictionary\)](#) ,
 [ControllerBase.Problem\(string, string, int?, string, string\)](#) ,
 [ControllerBase.ValidationProblem\(ValidationProblemDetails\)](#) ,
 [ControllerBase.ValidationProblem\(ModelStateDictionary\)](#) ,
 [ControllerBase.ValidationProblem\(\)](#) ,
 [ControllerBase.ValidationProblem\(string, string, int?, string, string, ModelStateDictionary\)](#) ,

,
 [ControllerBase.Created\(\)](#) , [ControllerBase.Created\(string, object\)](#) ,
 [ControllerBase.Created\(Uri, object\)](#) , [ControllerBase.CreatedAtAction\(string, object\)](#) ,
 [ControllerBase.CreatedAtAction\(string, object, object\)](#) ,
 [ControllerBase.CreatedAtAction\(string, string, object, object\)](#) ,
 [ControllerBase.CreatedAtRoute\(string, object\)](#) ,
 [ControllerBase.CreatedAtRoute\(object, object\)](#) ,
 [ControllerBase.CreatedAtRoute\(string, object, object\)](#) , [ControllerBase.Accepted\(\)](#) ,
 [ControllerBase.Accepted\(object\)](#) , [ControllerBase.Accepted\(Uri\)](#) ,
 [ControllerBase.Accepted\(string\)](#) , [ControllerBase.Accepted\(string, object\)](#) ,
 [ControllerBase.Accepted\(Uri, object\)](#) , [ControllerBase.AcceptedAtAction\(string\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, string\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, object\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, string, object\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, object, object\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, string, object, object\)](#) ,
 [ControllerBase.AcceptedAtRoute\(object\)](#) , [ControllerBase.AcceptedAtRoute\(string\)](#) ,
 [ControllerBase.AcceptedAtRoute\(string, object\)](#) ,
 [ControllerBase.AcceptedAtRoute\(object, object\)](#) ,
 [ControllerBase.AcceptedAtRoute\(string, object, object\)](#) , [ControllerBase.Challenge\(\)](#) ,
 [ControllerBase.Challenge\(params string\[\]\)](#) ,
 [ControllerBase.Challenge\(AuthenticationProperties\)](#) ,
 [ControllerBase.Challenge\(AuthenticationProperties, params string\[\]\)](#) ,
 [ControllerBase.Forbid\(\)](#) , [ControllerBase.Forbid\(params string\[\]\)](#) ,
 [ControllerBase.Forbid\(AuthenticationProperties\)](#) ,
 [ControllerBase.Forbid\(AuthenticationProperties, params string\[\]\)](#) ,
 [ControllerBase.SignIn\(ClaimsPrincipal\)](#) , [ControllerBase.SignIn\(ClaimsPrincipal, string\)](#) ,
 [ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties\)](#) ,
 [ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties, string\)](#) ,
 [ControllerBase.SignOut\(\)](#) , [ControllerBase.SignOut\(AuthenticationProperties\)](#) ,
 [ControllerBase.SignOut\(params string\[\]\)](#) ,

[ControllerBase.SignOut\(AuthenticationProperties, params string\[\]\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, params Expression<Func<TModel, object>>\[\]\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, Func<ModelMetadata, bool>\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, params Expression<Func<TModel, object>>\[\]\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, Func<ModelMetadata, bool>\)](#) ,
 [ControllerBase.TryUpdateModelAsync\(object, Type, string\)](#) ,
 [ControllerBase.TryUpdateModelAsync\(object, Type, string, IValueProvider, Func<ModelMetadata, bool>\)](#) ,
 [ControllerBase.TryValidateModel\(object\)](#) ,
 [ControllerBase.TryValidateModel\(object, string\)](#) , ControllerBase.HttpContext ,
 [ControllerBase.Request](#) , ControllerBase.Response , ControllerBase.RouteData ,
 [ControllerBase.ModelState](#) , ControllerBase.ControllerContext ,
 [ControllerBase.MetadataProvider](#) , ControllerBase.ModelBinderFactory ,
 [ControllerBase.Url](#) , ControllerBase.ObjectValidator ,
 [ControllerBase.ProblemDetailsFactory](#) , ControllerBase.User , ControllerBase.Empty ,
 [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
 [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
 [object.ToString\(\)](#)

Constructors

BaseLibraryEntityController(ILibraryEntityService<TEntity>, IMapper)

```
protected BaseLibraryEntityController(ILibraryEntityService<TEntity> entityService,  
IMapper mapper)
```

Parameters

entityService [ILibraryEntityService<TEntity>](#)

mapper [IMapper](#)

Fields

entityService

```
protected readonly ILibraryEntityService< TEntity > entityService
```

Field Value

[ILibraryEntityService](#)< TEntity >

mapper

```
protected readonly IMapper mapper
```

Field Value

IMapper

Methods

Create(TCreateRequest, CancellationToken)

```
[Authorize(Policy = "RequireManagerRole")]
[HttpPost]
public virtual Task<ActionResult< TCreateResponse >> Create(TCreateRequest request,
CancellationToken cancellationToken)
```

Parameters

request TCreateRequest

cancellationToken [CancellationToken](#)

Returns

[Task](#) <[ActionResult](#)> <TCREATEResponse>>

DeleteById(int, CancellationToken)

```
[Authorize(Policy = "RequireManagerRole")]
[HttpDelete("{id}")]
public virtual Task<IActionResult> DeleteById(int id, CancellationToken
cancellationToken)
```

Parameters

`id` [int](#)

`cancellationToken` [CancellationToken](#)

Returns

[Task](#) <[IActionResult](#)>

GetById(int, CancellationToken)

```
[HttpGet("{id}")]
[AllowAnonymous]
[OutputCache(PolicyName = "BasePolicy", Duration = 10)]
public virtual Task<ActionResult<TGetResponse>> GetById(int id,
cancellationToken cancellationToken)
```

Parameters

`id` [int](#)

`cancellationToken` [CancellationToken](#)

Returns

[Task](#) <[ActionResult](#)> <TGetResponse>>

GetByIds(GetByIdsRequest, CancellationToken)

```
[HttpPost("ids")]
[AllowAnonymous]
[OutputCache(PolicyName = "CacheByIds")]
public virtual Task<ActionResult<IEnumerable<TGetResponse>>>
GetByIds(GetByIdsRequest request, CancellationToken cancellationToken)
```

Parameters

request [GetByIdsRequest](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[ActionResult](#)<[IEnumerable](#)<[TGetResponse](#)>>>

GetItemTotalAmount(TFilterRequest, CancellationToken)

```
[AllowAnonymous]
[HttpPost("amount")]
[OutputCache(PolicyName = "CacheByFilter")]
public virtual Task<ActionResult<int>> GetItemTotalAmount(TFilterRequest request,
cancellationToken cancellationToken)
```

Parameters

request TFilterRequest

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[ActionResult](#)<[int](#)>>>

GetPaginated(TFilterRequest, CancellationToken)

```
[AllowAnonymous]
[HttpPost("pagination")]
[OutputCache(PolicyName = "CacheByFilter")]
public virtual Task<ActionResult<IEnumerable<TGetResponse>>>
GetPaginated(TFilterRequest request, CancellationToken cancellationToken)
```

Parameters

request TFilterRequest

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[ActionResult](#)<[IEnumerable](#)<TGetResponse>>>

Update(TUpdateRequest, CancellationToken)

```
[Authorize(Policy = "RequireManagerRole")]
[HttpPut]
public virtual Task<ActionResult<TUpdateResponse>> Update(TUpdateRequest request,
cancellationToken cancellationToken)
```

Parameters

request TUpdateRequest

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[ActionResult](#)<TUpdateResponse>>

Class BookController

Namespace: [LibraryApi.Controllers](#)

Assembly: LibraryApi.dll

```
[Authorize]
[Route("book")]
[ApiController]
public class BookController : BaseLibraryEntityController<Book, BookResponse,
CreateBookRequest, BookResponse, UpdateBookRequest, BookResponse, BookFilterRequest>
```

Inheritance

```
object ↵ ← ControllerBase ↵ ←
BaseLibraryEntityController<Book, BookResponse, CreateBookRequest, BookResponse,
UpdateBookRequest, BookResponse, BookFilterRequest> ←
BookController
```

Inherited Members

```
BaseLibraryEntityController<Book, BookResponse, CreateBookRequest, BookResponse,
UpdateBookRequest, BookResponse, BookFilterRequest>.entityService ,
BaseLibraryEntityController<Book, BookResponse, CreateBookRequest, BookResponse,
UpdateBookRequest, BookResponse, BookFilterRequest>.mapper ,
BaseLibraryEntityController<Book, BookResponse, CreateBookRequest, BookResponse,
UpdateBookRequest, BookResponse, BookFilterRequest>.GetById(int, CancellationToken) ,
BaseLibraryEntityController<Book, BookResponse, CreateBookRequest, BookResponse,
UpdateBookRequest, BookResponse, BookFilterRequest>.GetByIds(GetByIdsRequest,
CancellationToken) ,
BaseLibraryEntityController<Book, BookResponse, CreateBookRequest, BookResponse,
UpdateBookRequest, BookResponse, BookFilterRequest>.GetPaginated(BookFilterRequest,
CancellationToken) ,
BaseLibraryEntityController<Book, BookResponse, CreateBookRequest, BookResponse,
UpdateBookRequest, BookResponse,
BookFilterRequest>.GetItemTotalAmount(BookFilterRequest, CancellationToken) ,
BaseLibraryEntityController<Book, BookResponse, CreateBookRequest, BookResponse,
UpdateBookRequest, BookResponse, BookFilterRequest>.Create(CreateBookRequest,
CancellationToken) ,
BaseLibraryEntityController<Book, BookResponse, CreateBookRequest, BookResponse,
UpdateBookRequest, BookResponse, BookFilterRequest>.Update(UpdateBookRequest,
CancellationToken) ,
```

[BaseLibraryEntityController<Book, BookResponse, CreateBookRequest, BookResponse, UpdateBookRequest, BookResponse, BookFilterRequest>.DeleteById\(int, CancellationToken\)](#)
,

[ControllerBase.StatusCode\(int\) ↗](#), [ControllerBase.StatusCode\(int, object\) ↗](#),
 [ControllerBase.Content\(string\) ↗](#), [ControllerBase.Content\(string, string\) ↗](#),
 [ControllerBase.Content\(string, string, Encoding\) ↗](#),
 [ControllerBase.Content\(string, MediaTypeHeaderValue\) ↗](#), [ControllerBase.NoContent\(\) ↗](#),
 [ControllerBase.Ok\(\) ↗](#), [ControllerBase.Ok\(object\) ↗](#), [ControllerBase.Redirect\(string\) ↗](#),
 [ControllerBase.RedirectPermanent\(string\) ↗](#),
 [ControllerBase.RedirectPreserveMethod\(string\) ↗](#),
 [ControllerBase.RedirectPermanentPreserveMethod\(string\) ↗](#),
 [ControllerBase.LocalRedirect\(string\) ↗](#), [ControllerBase.LocalRedirectPermanent\(string\) ↗](#),
 [ControllerBase.LocalRedirectPreserveMethod\(string\) ↗](#),
 [ControllerBase.LocalRedirectPermanentPreserveMethod\(string\) ↗](#),
 [ControllerBase.RedirectToAction\(\) ↗](#), [ControllerBase.RedirectToAction\(string\) ↗](#),
 [ControllerBase.RedirectToAction\(string, object\) ↗](#),
 [ControllerBase.RedirectToAction\(string, string\) ↗](#),
 [ControllerBase.RedirectToAction\(string, string, object\) ↗](#),
 [ControllerBase.RedirectToAction\(string, string, string\) ↗](#),
 [ControllerBase.RedirectToAction\(string, string, object, string\) ↗](#),
 [ControllerBase.RedirectToActionPreserveMethod\(string, string, object, string\) ↗](#),
 [ControllerBase.RedirectToActionPermanent\(string\) ↗](#),
 [ControllerBase.RedirectToActionPermanent\(string, object\) ↗](#),
 [ControllerBase.RedirectToActionPermanent\(string, string, string\) ↗](#),
 [ControllerBase.RedirectToActionPermanent\(string, string, object\) ↗](#),
 [ControllerBase.RedirectToActionPermanent\(string, string, object, string\) ↗](#),
 [ControllerBase.RedirectToActionPermanentPreserveMethod\(string, string, object, string\) ↗](#),
 [ControllerBase.RedirectToRoute\(string\) ↗](#), [ControllerBase.RedirectToRoute\(object\) ↗](#),
 [ControllerBase.RedirectToRoute\(string, object\) ↗](#),
 [ControllerBase.RedirectToRoute\(string, string\) ↗](#),
 [ControllerBase.RedirectToRoute\(string, object, string\) ↗](#),
 [ControllerBase.RedirectToRoutePreserveMethod\(string, object, string\) ↗](#),
 [ControllerBase.RedirectToRoutePermanent\(string\) ↗](#),
 [ControllerBase.RedirectToRoutePermanent\(object\) ↗](#),
 [ControllerBase.RedirectToRoutePermanent\(string, object\) ↗](#),
 [ControllerBase.RedirectToRoutePermanent\(string, string\) ↗](#),
 [ControllerBase.RedirectToRoutePermanent\(string, object, string\) ↗](#),
 [ControllerBase.RedirectToRoutePermanentPreserveMethod\(string, object, string\) ↗](#),
 [ControllerBase.RedirectToPage\(string\) ↗](#), [ControllerBase.RedirectToPage\(string, object\) ↗](#),

[ControllerBase.RedirectToPage\(string, string\)](#) ,
 [ControllerBase.RedirectToPage\(string, string, object\)](#) ,
 [ControllerBase.RedirectToPage\(string, string, string\)](#) ,
 [ControllerBase.RedirectToPage\(string, string, object, string\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, object\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, string\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, string, string\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, string, object, string\)](#) ,
 [ControllerBase.RedirectToPagePreserveMethod\(string, string, object, string\)](#) ,
 [ControllerBase.RedirectToPagePermanentPreserveMethod\(string, string, object, string\)](#) ,
 [ControllerBase.File\(byte\[\], string\)](#) , ControllerBase.File(byte[], string, bool) ,
 [ControllerBase.File\(byte\[\], string, string\)](#) ,
 [ControllerBase.File\(byte\[\], string, string, bool\)](#) ,
 [ControllerBase.File\(byte\[\], string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(byte\[\], string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(byte\[\], string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(byte\[\], string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(Stream, string\)](#) , ControllerBase.File(Stream, string, bool) ,
 [ControllerBase.File\(Stream, string, string\)](#) ,
 [ControllerBase.File\(Stream, string, string, bool\)](#) ,
 [ControllerBase.File\(Stream, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(Stream, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(Stream, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(Stream, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(string, string\)](#) , ControllerBase.File(string, string, bool) ,
 [ControllerBase.File\(string, string, string\)](#) , ControllerBase.File(string, string, string, bool) ,
 [ControllerBase.File\(string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(string, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(string, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.PhysicalFile\(string, string\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, bool\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, string\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, string, bool\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,

[ControllerBase.Unauthorized\(\)](#) , [ControllerBase.Unauthorized\(object\)](#) ,
 [ControllerBase.NotFound\(\)](#) , [ControllerBase.NotFound\(object\)](#) ,
 [ControllerBase.BadRequest\(\)](#) , [ControllerBase.BadRequest\(object\)](#) ,
 [ControllerBase.BadRequest\(ModelStateDictionary\)](#) ,
 [ControllerBase.UnprocessableEntity\(\)](#) , [ControllerBase.UnprocessableEntity\(object\)](#) ,
 [ControllerBase.UnprocessableEntity\(ModelStateDictionary\)](#) , [ControllerBase.Conflict\(\)](#) ,
 [ControllerBase.Conflict\(object\)](#) , [ControllerBase.Conflict\(ModelStateDictionary\)](#) ,
 [ControllerBase.Problem\(string, string, int?, string, string\)](#) ,
 [ControllerBase.ValidationProblem\(ValidationProblemDetails\)](#) ,
 [ControllerBase.ValidationProblem\(ModelStateDictionary\)](#) ,
 [ControllerBase.ValidationProblem\(\)](#) ,
 [ControllerBase.ValidationProblem\(string, string, int?, string, string, ModelStateDictionary\)](#) ,
,

[ControllerBase.Created\(\)](#) , [ControllerBase.Created\(string, object\)](#) ,
 [ControllerBase.Created\(Uri, object\)](#) , [ControllerBase.CreatedAtAction\(string, object\)](#) ,
 [ControllerBase.CreatedAtAction\(string, object, object\)](#) ,
 [ControllerBase.CreatedAtAction\(string, string, object, object\)](#) ,
 [ControllerBase.CreatedAtRoute\(string, object\)](#) ,
 [ControllerBase.CreatedAtRoute\(object, object\)](#) ,
 [ControllerBase.CreatedAtRoute\(string, object, object\)](#) , [ControllerBase.Accepted\(\)](#) ,
 [ControllerBase.Accepted\(object\)](#) , [ControllerBase.Accepted\(Uri\)](#) ,
 [ControllerBase.Accepted\(string\)](#) , [ControllerBase.Accepted\(string, object\)](#) ,
 [ControllerBase.Accepted\(Uri, object\)](#) , [ControllerBase.AcceptedAtAction\(string\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, string\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, object\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, string, object\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, string, object, object\)](#) ,
 [ControllerBase.AcceptedAtRoute\(object\)](#) , [ControllerBase.AcceptedAtRoute\(string\)](#) ,
 [ControllerBase.AcceptedAtRoute\(string, object\)](#) ,
 [ControllerBase.AcceptedAtRoute\(object, object\)](#) ,
 [ControllerBase.AcceptedAtRoute\(string, object, object\)](#) , [ControllerBase.Challenge\(\)](#) ,
 [ControllerBase.Challenge\(params string\[\]\)](#) ,
 [ControllerBase.Challenge\(AuthenticationProperties\)](#) ,
 [ControllerBase.Challenge\(AuthenticationProperties, params string\[\]\)](#) ,
 [ControllerBase.Forbid\(\)](#) , [ControllerBase.Forbid\(params string\[\]\)](#) ,
 [ControllerBase.Forbid\(AuthenticationProperties\)](#) ,
 [ControllerBase.Forbid\(AuthenticationProperties, params string\[\]\)](#) ,
 [ControllerBase.SignIn\(ClaimsPrincipal\)](#) , [ControllerBase.SignIn\(ClaimsPrincipal, string\)](#) ,
 [ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties\)](#) ,

[ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties, string\)](#) ,
 [ControllerBase.SignOut\(\)](#) , [ControllerBase.SignOut\(AuthenticationProperties\)](#) ,
 [ControllerBase.SignOut\(params string\[\]\)](#) ,
 [ControllerBase.SignOut\(AuthenticationProperties, params string\[\]\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, params
Expression<Func<TModel, object>>\[\]\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, Func<ModelMetadata,
bool>\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, params
Expression<Func<TModel, object>>\[\]\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider,
Func<ModelMetadata, bool>\)](#) ,
 [ControllerBase.TryUpdateModelAsync\(object, Type, string\)](#) ,
 [ControllerBase.TryUpdateModelAsync\(object, Type, string, IValueProvider,
Func<ModelMetadata, bool>\)](#) ,
 [ControllerBase.TryValidateModel\(object\)](#) ,
 [ControllerBase.TryValidateModel\(object, string\)](#) , [ControllerBase.HttpContext](#) ,
 [ControllerBase.Request](#) , [ControllerBase.Response](#) , [ControllerBase.RouteData](#) ,
 [ControllerBase.ModelState](#) , [ControllerBase.ControllerContext](#) ,
 [ControllerBase.MetadataProvider](#) , [ControllerBase.ModelBinderFactory](#) ,
 [ControllerBase.Url](#) , [ControllerBase.ObjectValidator](#) ,
 [ControllerBase.ProblemDetailsFactory](#) , [ControllerBase.User](#) , [ControllerBase.Empty](#) ,
 [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
 [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
 [object.ToString\(\)](#)

Constructors

BookController(ILibraryEntityService<Book>, IMapper,
IBookService)

```
public BookController(ILibraryEntityService<Book> entityService, IMapper mapper,  
IBookService bookService)
```

Parameters

entityService [ILibraryEntityService<Book>](#)

mapper IMapper

bookService [IBookService](#)

Methods

RaisePopularity(RaiseBookPopularityRequest, CancellationToken)

```
[HttpPost("popularity")]
[AllowAnonymous]
public Task<IActionResult> RaisePopularity(RaiseBookPopularityRequest request,
CancellationToken cancellationToken)
```

Parameters

request [RaiseBookPopularityRequest](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[IActionResult](#)>

UpdateStockAmount(List<UpdateBookStockAmountRequest>, CancellationToken)

```
[HttpPost("stockamount")]
[AllowAnonymous]
public Task<IActionResult> UpdateStockAmount(List<UpdateBookStockAmountRequest>
requests, CancellationToken cancellationToken)
```

Parameters

requests [List](#)<[UpdateBookStockAmountRequest](#)>

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[IActionResult](#)>

Class GenreController

Namespace: [LibraryApi.Controllers](#)

Assembly: LibraryApi.dll

```
[Authorize]
[Route("genre")]
[ApiController]
public class GenreController : BaseLibraryEntityController<Genre,
GenreResponse, CreateGenreRequest, GenreResponse, UpdateGenreRequest,
GenreResponse, LibraryFilterRequest>
```

Inheritance

```
object ← ControllerBase ←
BaseLibraryEntityController<Genre, GenreResponse, CreateGenreRequest, GenreResponse,
UpdateGenreRequest, GenreResponse, LibraryFilterRequest> ←
GenreController
```

Inherited Members

```
BaseLibraryEntityController<Genre, GenreResponse, CreateGenreRequest, GenreResponse,
UpdateGenreRequest, GenreResponse, LibraryFilterRequest>.entityService ,
BaseLibraryEntityController<Genre, GenreResponse, CreateGenreRequest, GenreResponse,
UpdateGenreRequest, GenreResponse, LibraryFilterRequest>.mapper ,
BaseLibraryEntityController<Genre, GenreResponse, CreateGenreRequest, GenreResponse,
UpdateGenreRequest, GenreResponse, LibraryFilterRequest>.GetById(int,
CancellationToken) ,
BaseLibraryEntityController<Genre, GenreResponse, CreateGenreRequest, GenreResponse,
UpdateGenreRequest, GenreResponse, LibraryFilterRequest>.GetByIds(GetByIdsRequest,
CancellationToken) ,
BaseLibraryEntityController<Genre, GenreResponse, CreateGenreRequest, GenreResponse,
UpdateGenreRequest, GenreResponse,
LibraryFilterRequest>.GetPaginated(LibraryFilterRequest, CancellationToken) ,
BaseLibraryEntityController<Genre, GenreResponse, CreateGenreRequest, GenreResponse,
UpdateGenreRequest, GenreResponse,
LibraryFilterRequest>.GetItemTotalAmount(LibraryFilterRequest, CancellationToken) ,
BaseLibraryEntityController<Genre, GenreResponse, CreateGenreRequest, GenreResponse,
UpdateGenreRequest, GenreResponse, LibraryFilterRequest>.Create(CreateGenreRequest,
CancellationToken) ,
```

```
BaseLibraryEntityController<Genre, GenreResponse, CreateGenreRequest, GenreResponse,
UpdateGenreRequest, GenreResponse, LibraryFilterRequest>.Update(UpdateGenreRequest,
CancellationToken) ,
BaseLibraryEntityController<Genre, GenreResponse, CreateGenreRequest, GenreResponse,
UpdateGenreRequest, GenreResponse, LibraryFilterRequest>.DeleteById(int,
CancellationToken) ,
ControllerBase.StatusCode(int) , ControllerBase.StatusCode(int, object) ,
ControllerBase.Content(string) , ControllerBase.Content(string, string) ,
ControllerBase.Content(string, string, Encoding) ,
ControllerBase.Content(string, MediaTypeHeaderValue) , ControllerBase.NoContent() ,
ControllerBase.Ok() , ControllerBase.Ok(object) , ControllerBase.Redirect(string) ,
ControllerBase.RedirectPermanent(string) ,
ControllerBase.RedirectPreserveMethod(string) ,
ControllerBase.RedirectPermanentPreserveMethod(string) ,
ControllerBase.LocalRedirect(string) , ControllerBase.LocalRedirectPermanent(string) ,
ControllerBase.LocalRedirectPreserveMethod(string) ,
ControllerBase.LocalRedirectPermanentPreserveMethod(string) ,
ControllerBase.RedirectToAction() , ControllerBase.RedirectToAction(string) ,
ControllerBase.RedirectToAction(string, object) ,
ControllerBase.RedirectToAction(string, string) ,
ControllerBase.RedirectToAction(string, string, object) ,
ControllerBase.RedirectToAction(string, string, string) ,
ControllerBase.RedirectToAction(string, string, object, string) ,
ControllerBase.RedirectToActionPreserveMethod(string, string, object, string) ,
ControllerBase.RedirectToActionPermanent(string) ,
ControllerBase.RedirectToActionPermanent(string, object) ,
ControllerBase.RedirectToActionPermanent(string, string) ,
ControllerBase.RedirectToActionPermanent(string, string, string) ,
ControllerBase.RedirectToActionPermanent(string, string, object) ,
ControllerBase.RedirectToActionPermanent(string, string, object, string) ,
ControllerBase.RedirectToActionPermanentPreserveMethod(string, string, object, string) ,
ControllerBase.RedirectToRoute(string) , ControllerBase.RedirectToRoute(object) ,
ControllerBase.RedirectToRoute(string, object) ,
ControllerBase.RedirectToRoute(string, string) ,
ControllerBase.RedirectToRoute(string, object, string) ,
ControllerBase.RedirectToRoutePreserveMethod(string, object, string) ,
ControllerBase.RedirectToRoutePermanent(string) ,
ControllerBase.RedirectToRoutePermanent(object) ,
ControllerBase.RedirectToRoutePermanent(string, object) ,
ControllerBase.RedirectToRoutePermanent(string, string) ,
```

[ControllerBase.RedirectToRoutePermanent\(string, object, string\)](#) ,
 [ControllerBase.RedirectToRoutePermanentPreserveMethod\(string, object, string\)](#) ,
 [ControllerBase.RedirectToPage\(string\)](#) , [ControllerBase.RedirectToPage\(string, object\)](#) ,
 [ControllerBase.RedirectToPage\(string, string\)](#) ,
 [ControllerBase.RedirectToPage\(string, string, object\)](#) ,
 [ControllerBase.RedirectToPage\(string, string, string\)](#) ,
 [ControllerBase.RedirectToPage\(string, string, object, string\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, object\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, string\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, string, string\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, string, object, string\)](#) ,
 [ControllerBase.RedirectToPagePreserveMethod\(string, string, object, string\)](#) ,
 [ControllerBase.RedirectToPagePermanentPreserveMethod\(string, string, object, string\)](#) ,
 [ControllerBase.File\(byte\[\], string\)](#) , [ControllerBase.File\(byte\[\], string, bool\)](#) ,
 [ControllerBase.File\(byte\[\], string, string\)](#) ,
 [ControllerBase.File\(byte\[\], string, string, bool\)](#) ,
 [ControllerBase.File\(byte\[\], string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(byte\[\], string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(byte\[\], string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(byte\[\], string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(Stream, string\)](#) , [ControllerBase.File\(Stream, string, bool\)](#) ,
 [ControllerBase.File\(Stream, string, string\)](#) ,
 [ControllerBase.File\(Stream, string, string, bool\)](#) ,
 [ControllerBase.File\(Stream, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(Stream, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(Stream, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(Stream, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(string, string\)](#) , [ControllerBase.File\(string, string, bool\)](#) ,
 [ControllerBase.File\(string, string, string\)](#) , [ControllerBase.File\(string, string, string, bool\)](#) ,
 [ControllerBase.File\(string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(string, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(string, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.PhysicalFile\(string, string\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, bool\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, string\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, string, bool\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,

[ControllerBase.PhysicalFile\(string, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.Unauthorized\(\)](#) , [ControllerBase.Unauthorized\(object\)](#) ,
 [ControllerBase.NotFound\(\)](#) , [ControllerBase.NotFound\(object\)](#) ,
 [ControllerBase.BadRequest\(\)](#) , [ControllerBase.BadRequest\(object\)](#) ,
 [ControllerBase.BadRequest\(ModelStateDictionary\)](#) ,
 [ControllerBase.UnprocessableEntity\(\)](#) , [ControllerBase.UnprocessableEntity\(object\)](#) ,
 [ControllerBase.UnprocessableEntity\(ModelStateDictionary\)](#) , [ControllerBase.Conflict\(\)](#) ,
 [ControllerBase.Conflict\(object\)](#) , [ControllerBase.Conflict\(ModelStateDictionary\)](#) ,
 [ControllerBase.Problem\(string, string, int?, string, string\)](#) ,
 [ControllerBase.ValidationProblem\(ValidationProblemDetails\)](#) ,
 [ControllerBase.ValidationProblem\(ModelStateDictionary\)](#) ,
 [ControllerBase.ValidationProblem\(\)](#) ,
 [ControllerBase.ValidationProblem\(string, string, int?, string, string, ModelStateDictionary\)](#) ,

,
 [ControllerBase.Created\(\)](#) , [ControllerBase.Created\(string, object\)](#) ,
 [ControllerBase.Created\(Uri, object\)](#) , [ControllerBase.CreatedAtAction\(string, object\)](#) ,
 [ControllerBase.CreatedAtAction\(string, object, object\)](#) ,
 [ControllerBase.CreatedAtAction\(string, string, object, object\)](#) ,
 [ControllerBase.CreatedAtRoute\(string, object\)](#) ,
 [ControllerBase.CreatedAtRoute\(object, object\)](#) ,
 [ControllerBase.CreatedAtRoute\(string, object, object\)](#) , [ControllerBase.Accepted\(\)](#) ,
 [ControllerBase.Accepted\(object\)](#) , [ControllerBase.Accepted\(Uri\)](#) ,
 [ControllerBase.Accepted\(string\)](#) , [ControllerBase.Accepted\(string, object\)](#) ,
 [ControllerBase.Accepted\(Uri, object\)](#) , [ControllerBase.AcceptedAtAction\(string\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, string\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, object\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, string, object\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, object, object\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, string, object, object\)](#) ,
 [ControllerBase.AcceptedAtRoute\(object\)](#) , [ControllerBase.AcceptedAtRoute\(string\)](#) ,
 [ControllerBase.AcceptedAtRoute\(string, object\)](#) ,
 [ControllerBase.AcceptedAtRoute\(object, object\)](#) ,
 [ControllerBase.AcceptedAtRoute\(string, object, object\)](#) , [ControllerBase.Challenge\(\)](#) ,
 [ControllerBase.Challenge\(params string\[\]\)](#) ,
 [ControllerBase.Challenge\(AuthenticationProperties\)](#) ,
 [ControllerBase.Challenge\(AuthenticationProperties, params string\[\]\)](#) ,
 [ControllerBase.Forbid\(\)](#) , [ControllerBase.Forbid\(params string\[\]\)](#) ,
 [ControllerBase.Forbid\(AuthenticationProperties\)](#) ,

[ControllerBase.Forbid\(AuthenticationProperties, params string\[\]\)](#) ,
 [ControllerBase.SignIn\(ClaimsPrincipal\)](#) , [ControllerBase.SignIn\(ClaimsPrincipal, string\)](#) ,
 [ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties\)](#) ,
 [ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties, string\)](#) ,
 [ControllerBase.SignOut\(\)](#) , [ControllerBase.SignOut\(AuthenticationProperties\)](#) ,
 [ControllerBase.SignOut\(params string\[\]\)](#) ,
 [ControllerBase.SignOut\(AuthenticationProperties, params string\[\]\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, params
Expression<Func<TModel, object>>\[\]\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, Func<ModelMetadata,
bool>\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, params
Expression<Func<TModel, object>>\[\]\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider,
Func<ModelMetadata, bool>\)](#) ,
 [ControllerBase.TryUpdateModelAsync\(object, Type, string\)](#) ,
 [ControllerBase.TryUpdateModelAsync\(object, Type, string, IValueProvider,
Func<ModelMetadata, bool>\)](#) ,
 [ControllerBase.TryValidateModel\(object\)](#) ,
 [ControllerBase.TryValidateModel\(object, string\)](#) , [ControllerBase.HttpContext](#) ,
 [ControllerBase.Request](#) , [ControllerBase.Response](#) , [ControllerBase.RouteData](#) ,
 [ControllerBase.ModelState](#) , [ControllerBase.ControllerContext](#) ,
 [ControllerBase.MetadataProvider](#) , [ControllerBase.ModelBinderFactory](#) ,
 [ControllerBase.Url](#) , [ControllerBase.ObjectValidator](#) ,
 [ControllerBase.ProblemDetailsFactory](#) , [ControllerBase.User](#) , [ControllerBase.Empty](#) ,
 [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
 [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
 [object.ToString\(\)](#)

Constructors

GenreController(ILibraryEntityService<Genre>,
IMapper)

```
public GenreController(ILibraryEntityService<Genre> entityService, IMapper mapper)
```

Parameters

entityService [ILibraryEntityService<Genre>](#)

mapper [IMapper](#)

Class PublisherController

Namespace: [LibraryApi.Controllers](#)

Assembly: LibraryApi.dll

```
[Authorize]
[Route("publisher")]
[ApiController]
public class PublisherController : BaseLibraryEntityController<Publisher,
PublisherResponse, CreatePublisherRequest, PublisherResponse,
UpdatePublisherRequest, PublisherResponse, LibraryFilterRequest>
```

Inheritance

```
object ↳ ← ControllerBase ↳ ←
BaseLibraryEntityController<Publisher, PublisherResponse, CreatePublisherRequest,
PublisherResponse, UpdatePublisherRequest, PublisherResponse, LibraryFilterRequest> ←
PublisherController
```

Inherited Members

```
BaseLibraryEntityController<Publisher, PublisherResponse, CreatePublisherRequest,
PublisherResponse, UpdatePublisherRequest, PublisherResponse,
LibraryFilterRequest>.entityService ,
BaseLibraryEntityController<Publisher, PublisherResponse, CreatePublisherRequest,
PublisherResponse, UpdatePublisherRequest, PublisherResponse,
LibraryFilterRequest>.mapper ,
BaseLibraryEntityController<Publisher, PublisherResponse, CreatePublisherRequest,
PublisherResponse, UpdatePublisherRequest, PublisherResponse,
LibraryFilterRequest>.GetById(int, CancellationToken) ,
BaseLibraryEntityController<Publisher, PublisherResponse, CreatePublisherRequest,
PublisherResponse, UpdatePublisherRequest, PublisherResponse,
LibraryFilterRequest>.GetByIds(GetByIdsRequest, CancellationToken) ,
BaseLibraryEntityController<Publisher, PublisherResponse, CreatePublisherRequest,
PublisherResponse, UpdatePublisherRequest, PublisherResponse,
LibraryFilterRequest>.GetPaginated(LibraryFilterRequest, CancellationToken) ,
BaseLibraryEntityController<Publisher, PublisherResponse, CreatePublisherRequest,
PublisherResponse, UpdatePublisherRequest, PublisherResponse,
LibraryFilterRequest>.GetItemTotalAmount(LibraryFilterRequest, CancellationToken) ,
```

```
BaseLibraryEntityController<Publisher, PublisherResponse, CreatePublisherRequest,
PublisherResponse, UpdatePublisherRequest, PublisherResponse,
LibraryFilterRequest>.Create(CreatePublisherRequest, CancellationToken) ,
BaseLibraryEntityController<Publisher, PublisherResponse, CreatePublisherRequest,
PublisherResponse, UpdatePublisherRequest, PublisherResponse,
LibraryFilterRequest>.Update(UpdatePublisherRequest, CancellationToken) ,
BaseLibraryEntityController<Publisher, PublisherResponse, CreatePublisherRequest,
PublisherResponse, UpdatePublisherRequest, PublisherResponse,
LibraryFilterRequest>.DeleteById(int, CancellationToken),
 ControllerBase.StatusCode(int) , ControllerBase.StatusCode(int, object) ,
ControllerBase.Content(string) , ControllerBase.Content(string, string) ,
ControllerBase.Content(string, string, Encoding) ,
ControllerBase.Content(string, MediaTypeHeaderValue) , ControllerBase.NoContent() ,
ControllerBase.Ok() , ControllerBase.Ok(object) , ControllerBase.Redirect(string) ,
ControllerBase.RedirectPermanent(string) ,
ControllerBase.RedirectPreserveMethod(string) ,
ControllerBase.RedirectPermanentPreserveMethod(string) ,
ControllerBase.LocalRedirect(string) , ControllerBase.LocalRedirectPermanent(string) ,
ControllerBase.LocalRedirectPreserveMethod(string) ,
ControllerBase.LocalRedirectPermanentPreserveMethod(string) ,
ControllerBase.RedirectToAction() , ControllerBase.RedirectToAction(string) ,
ControllerBase.RedirectToAction(string, object) ,
ControllerBase.RedirectToAction(string, string) ,
ControllerBase.RedirectToAction(string, string, object) ,
ControllerBase.RedirectToAction(string, string, string) ,
ControllerBase.RedirectToAction(string, string, object, string) ,
ControllerBase.RedirectToActionPreserveMethod(string, string, object, string) ,
ControllerBase.RedirectToActionPermanent(string) ,
ControllerBase.RedirectToActionPermanent(string, object) ,
ControllerBase.RedirectToActionPermanent(string, string) ,
ControllerBase.RedirectToActionPermanent(string, string, string) ,
ControllerBase.RedirectToActionPermanent(string, string, object) ,
ControllerBase.RedirectToActionPermanent(string, string, object, string) ,
ControllerBase.RedirectToActionPermanentPreserveMethod(string, string, object, string) ,
ControllerBase.RedirectToRoute(string) , ControllerBase.RedirectToRoute(object) ,
ControllerBase.RedirectToRoute(string, object) ,
ControllerBase.RedirectToRoute(string, string) ,
ControllerBase.RedirectToRoute(string, object, string) ,
ControllerBase.RedirectToRoutePreserveMethod(string, object, string) ,
ControllerBase.RedirectToRoutePermanent(string) ,
```

[ControllerBase.RedirectToRoutePermanent\(object\)](#) ,
 [ControllerBase.RedirectToRoutePermanent\(string, object\)](#) ,
 [ControllerBase.RedirectToRoutePermanent\(string, string\)](#) ,
 [ControllerBase.RedirectToRoutePermanent\(string, object, string\)](#) ,
 [ControllerBase.RedirectToRoutePermanentPreserveMethod\(string, object, string\)](#) ,
 [ControllerBase.RedirectToPage\(string\)](#) , [ControllerBase.RedirectToPage\(string, object\)](#) ,
 [ControllerBase.RedirectToPage\(string, string\)](#) ,
 [ControllerBase.RedirectToPage\(string, string, object\)](#) ,
 [ControllerBase.RedirectToPage\(string, string, string\)](#) ,
 [ControllerBase.RedirectToPage\(string, string, object, string\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, object\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, string\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, string, string\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, string, object, string\)](#) ,
 [ControllerBase.RedirectToPagePreserveMethod\(string, string, object, string\)](#) ,
 [ControllerBase.RedirectToPagePermanentPreserveMethod\(string, string, object, string\)](#) ,
 [ControllerBase.File\(byte\[\], string\)](#) , [ControllerBase.File\(byte\[\], string, bool\)](#) ,
 [ControllerBase.File\(byte\[\], string, string\)](#) ,
 [ControllerBase.File\(byte\[\], string, string, bool\)](#) ,
 [ControllerBase.File\(byte\[\], string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(byte\[\], string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(byte\[\], string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(byte\[\], string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(Stream, string\)](#) , [ControllerBase.File\(Stream, string, bool\)](#) ,
 [ControllerBase.File\(Stream, string, string\)](#) ,
 [ControllerBase.File\(Stream, string, string, bool\)](#) ,
 [ControllerBase.File\(Stream, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(Stream, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(Stream, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(Stream, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(string, string\)](#) , [ControllerBase.File\(string, string, bool\)](#) ,
 [ControllerBase.File\(string, string, string\)](#) , [ControllerBase.File\(string, string, string, bool\)](#) ,
 [ControllerBase.File\(string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(string, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(string, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.PhysicalFile\(string, string\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, bool\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, string\)](#) ,

[ControllerBase.PhysicalFile\(string, string, string, bool\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.Unauthorized\(\)](#) , [ControllerBase.Unauthorized\(object\)](#) ,
 [ControllerBase.NotFound\(\)](#) , [ControllerBase.NotFound\(object\)](#) ,
 [ControllerBase.BadRequest\(\)](#) , [ControllerBase.BadRequest\(object\)](#) ,
 [ControllerBase.BadRequest\(ModelStateDictionary\)](#) ,
 [ControllerBase.UnprocessableEntity\(\)](#) , [ControllerBase.UnprocessableEntity\(object\)](#) ,
 [ControllerBase.UnprocessableEntity\(ModelStateDictionary\)](#) , [ControllerBase.Conflict\(\)](#) ,
 [ControllerBase.Conflict\(object\)](#) , [ControllerBase.Conflict\(ModelStateDictionary\)](#) ,
 [ControllerBase.Problem\(string, string, int?, string, string\)](#) ,
 [ControllerBase.ValidationProblem\(ValidationProblemDetails\)](#) ,
 [ControllerBase.ValidationProblem\(ModelStateDictionary\)](#) ,
 [ControllerBase.ValidationProblem\(\)](#) ,
 [ControllerBase.ValidationProblem\(string, string, int?, string, string, ModelStateDictionary\)](#)

,

[ControllerBase.Created\(\)](#) , [ControllerBase.Created\(string, object\)](#) ,
 [ControllerBase.Created\(Uri, object\)](#) , [ControllerBase.CreatedAtAction\(string, object\)](#) ,
 [ControllerBase.CreatedAtAction\(string, object, object\)](#) ,
 [ControllerBase.CreatedAtAction\(string, string, object, object\)](#) ,
 [ControllerBase.CreatedAtRoute\(string, object\)](#) ,
 [ControllerBase.CreatedAtRoute\(object, object\)](#) ,
 [ControllerBase.CreatedAtRoute\(string, object, object\)](#) , [ControllerBase.Accepted\(\)](#) ,
 [ControllerBase.Accepted\(object\)](#) , [ControllerBase.Accepted\(Uri\)](#) ,
 [ControllerBase.Accepted\(string\)](#) , [ControllerBase.Accepted\(string, object\)](#) ,
 [ControllerBase.Accepted\(Uri, object\)](#) , [ControllerBase.AcceptedAtAction\(string\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, string\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, object\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, string, object\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, object, object\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, string, object, object\)](#) ,
 [ControllerBase.AcceptedAtRoute\(object\)](#) , [ControllerBase.AcceptedAtRoute\(string\)](#) ,
 [ControllerBase.AcceptedAtRoute\(string, object\)](#) ,
 [ControllerBase.AcceptedAtRoute\(object, object\)](#) ,
 [ControllerBase.AcceptedAtRoute\(string, object, object\)](#) , [ControllerBase.Challenge\(\)](#) ,
 [ControllerBase.Challenge\(params string\[\]\)](#) ,
 [ControllerBase.Challenge\(AuthenticationProperties\)](#) ,

[ControllerBase.Challenge\(AuthenticationProperties, params string\[\]\)](#) ,
 [ControllerBase.Forbid\(\)](#) , [ControllerBase.Forbid\(params string\[\]\)](#) ,
 [ControllerBase.Forbid\(AuthenticationProperties\)](#) ,
 [ControllerBase.Forbid\(AuthenticationProperties, params string\[\]\)](#) ,
 [ControllerBase.SignIn\(ClaimsPrincipal\)](#) , [ControllerBase.SignIn\(ClaimsPrincipal, string\)](#) ,
 [ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties\)](#) ,
 [ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties, string\)](#) ,
 [ControllerBase.SignOut\(\)](#) , [ControllerBase.SignOut\(AuthenticationProperties\)](#) ,
 [ControllerBase.SignOut\(params string\[\]\)](#) ,
 [ControllerBase.SignOut\(AuthenticationProperties, params string\[\]\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, params Expression<Func<TModel, object>>\[\]\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, Func<ModelMetadata, bool>\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, params Expression<Func<TModel, object>>\[\]\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, Func<ModelMetadata, bool>\)](#) ,
 [ControllerBase.TryUpdateModelAsync\(object, Type, string\)](#) ,
 [ControllerBase.TryUpdateModelAsync\(object, Type, string, IValueProvider, Func<ModelMetadata, bool>\)](#) ,
 [ControllerBase.TryValidateModel\(object\)](#) ,
 [ControllerBase.TryValidateModel\(object, string\)](#) , [ControllerBase.HttpContext](#) ,
 [ControllerBase.Request](#) , [ControllerBase.Response](#) , [ControllerBase.RouteData](#) ,
 [ControllerBase.ModelState](#) , [ControllerBase.ControllerContext](#) ,
 [ControllerBase.MetadataProvider](#) , [ControllerBase.ModelBinderFactory](#) ,
 [ControllerBase.Url](#) , [ControllerBase.ObjectValidator](#) ,
 [ControllerBase.ProblemDetailsFactory](#) , [ControllerBase.User](#) , [ControllerBase.Empty](#) ,
 [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
 [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
 [object.ToString\(\)](#)

Constructors

PublisherController(ILibraryEntityService<Publisher>, IMapper)

```
public PublisherController(ILibraryEntityService<Publisher> entityService,  
IMapper mapper)
```

Parameters

entityService [ILibraryEntityService<Publisher>](#)

mapper [IMapper](#)

Namespace LibraryApi.Domain.Dto.Author Classes

[CreateAuthorRequest](#)

[UpdateAuthorRequest](#)

Class CreateAuthorRequest

Namespace: [LibraryApi.Domain.Dto.Author](#)

Assembly: LibraryApi.dll

```
public class CreateAuthorRequest
```

Inheritance

[object](#) ← CreateAuthorRequest

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

DateOfBirth

```
public DateTime DateOfBirth { get; set; }
```

Property Value

[DateTime](#)

LastName

```
public string? LastName { get; set; }
```

Property Value

[string](#)

Name

```
public string? Name { get; set; }
```

Property Value

[string](#) ↗

Class UpdateAuthorRequest

Namespace: [LibraryApi.Domain.Dto.Author](#)

Assembly: LibraryApi.dll

```
public class UpdateAuthorRequest
```

Inheritance

[object](#) ← UpdateAuthorRequest

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

DateOfBirth

```
public DateTime DateOfBirth { get; set; }
```

Property Value

[DateTime](#)

Id

```
public int Id { get; set; }
```

Property Value

[int](#)

LastName

```
public string? LastName { get; set; }
```

Property Value

[string](#) ↗

Name

```
public string? Name { get; set; }
```

Property Value

[string](#) ↗

Namespace LibraryApi.Domain.Dto.Book Classes

[CreateBookRequest](#)

[UpdateBookRequest](#)

Class CreateBookRequest

Namespace: [LibraryApi.Domain.Dto.Book](#)

Assembly: LibraryApi.dll

```
public class CreateBookRequest
```

Inheritance

[object](#) ← CreateBookRequest

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

AuthorId

```
public int AuthorId { get; set; }
```

Property Value

[int](#)

CoverImgUrl

```
public string? CoverImgUrl { get; set; }
```

Property Value

[string](#)

CoverType

```
public CoverType CoverType { get; set; }
```

Property Value

[CoverType](#)

Description

```
public string? Description { get; set; }
```

Property Value

[string](#)

GenreId

```
public int GenreId { get; set; }
```

Property Value

[int](#)

Name

```
public string? Name { get; set; }
```

Property Value

[string](#)

PageAmount

```
public int PageAmount { get; set; }
```

Property Value

[int](#)

Price

```
public decimal Price { get; set; }
```

Property Value

[decimal](#)

PublicationDate

```
public DateTime PublicationDate { get; set; }
```

Property Value

[DateTime](#)

PublisherId

```
public int PublisherId { get; set; }
```

Property Value

[int](#)

Class UpdateBookRequest

Namespace: [LibraryApi.Domain.Dto.Book](#)

Assembly: LibraryApi.dll

```
public class UpdateBookRequest
```

Inheritance

[object](#) ← UpdateBookRequest

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

AuthorId

```
public int AuthorId { get; set; }
```

Property Value

[int](#)

CoverImgUrl

```
public string? CoverImgUrl { get; set; }
```

Property Value

[string](#)

CoverType

```
public CoverType CoverType { get; set; }
```

Property Value

[CoverType](#)

Description

```
public string? Description { get; set; }
```

Property Value

[string](#)

GenreId

```
public int GenreId { get; set; }
```

Property Value

[int](#)

Id

```
public int Id { get; set; }
```

Property Value

[int](#)

Name

```
public string? Name { get; set; }
```

Property Value

[string](#) ↗

PageAmount

```
public int PageAmount { get; set; }
```

Property Value

[int](#) ↗

Price

```
public decimal Price { get; set; }
```

Property Value

[decimal](#) ↗

PublicationDate

```
public DateTime PublicationDate { get; set; }
```

Property Value

[DateTime](#) ↗

PublisherId

```
public int PublisherId { get; set; }
```

Property Value

[int](#) ↗

Namespace LibraryApi.Domain.Dto.Genre Classes

[CreateGenreRequest](#)

[UpdateGenreRequest](#)

Class CreateGenreRequest

Namespace: [LibraryApi.Domain.Dto.Genre](#)

Assembly: LibraryApi.dll

```
public class CreateGenreRequest
```

Inheritance

[object](#) ← CreateGenreRequest

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

Name

```
public string? Name { get; set; }
```

Property Value

[string](#)

Class UpdateGenreRequest

Namespace: [LibraryApi.Domain.Dto.Genre](#)

Assembly: LibraryApi.dll

```
public class UpdateGenreRequest
```

Inheritance

[object](#) ← UpdateGenreRequest

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

Id

```
public int Id { get; set; }
```

Property Value

[int](#)

Name

```
public string? Name { get; set; }
```

Property Value

[string](#)

Namespace LibraryApi.Domain.Dto. Publisher

Classes

[CreatePublisherRequest](#)

[UpdatePublisherRequest](#)

Class CreatePublisherRequest

Namespace: [LibraryApi.Domain.Dto.Publisher](#)

Assembly: LibraryApi.dll

```
public class CreatePublisherRequest
```

Inheritance

[object](#) ← CreatePublisherRequest

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

Name

```
public string? Name { get; set; }
```

Property Value

[string](#)

Class UpdatePublisherRequest

Namespace: [LibraryApi.Domain.Dto.Publisher](#)

Assembly: LibraryApi.dll

```
public class UpdatePublisherRequest
```

Inheritance

[object](#) ← UpdatePublisherRequest

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

Id

```
public int Id { get; set; }
```

Property Value

[int](#)

Name

```
public string? Name { get; set; }
```

Property Value

[string](#)

Namespace LibraryApi.Migrations

Classes

[AddedBookDescription](#)

A base class inherited by each EF Core migration.

[InitialMigration](#)

A base class inherited by each EF Core migration.

Class AddedBookDescription

Namespace: [LibraryApi.Migrations](#)

Assembly: LibraryApi.dll

A base class inherited by each EF Core migration.

```
[DbContext(typeof(LibraryDbContext))]
[Migration("20241107164400_AddedBookDescription")]
public class AddedBookDescription : Migration
```

Inheritance

[object](#) ← [Migration](#) ← AddedBookDescription

Inherited Members

[Migration.InitialDatabase](#) , [Migration.TargetModel](#) , [Migration.UpOperations](#) ,
[Migration.DownOperations](#) , [Migration.ActiveProvider](#) , [object.Equals\(object\)](#) ,
[object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Remarks

See [Database migrations](#) for more information and examples.

Methods

BuildTargetModel(ModelBuilder)

Implemented to build the [TargetModel](#).

```
protected override void BuildTargetModel(ModelBuilder modelBuilder)
```

Parameters

[modelBuilder](#) [ModelBuilder](#)

The [ModelBuilder](#) to use to build the model.

Remarks

See [Database migrations](#) for more information and examples.

Down(MigrationBuilder)

Builds the operations that will migrate the database 'down'.

```
protected override void Down(MigrationBuilder migrationBuilder)
```

Parameters

`migrationBuilder` [MigrationBuilder](#)

The [MigrationBuilder](#) that will build the operations.

Remarks

That is, builds the operations that will take the database from the state left in by this migration so that it returns to the state that it was in before this migration was applied.

This method must be overridden in each class that inherits from [Migration](#) if both 'up' and 'down' migrations are to be supported. If it is not overridden, then calling it will throw and it will not be possible to migrate in the 'down' direction.

See [Database migrations](#) for more information and examples.

Up(MigrationBuilder)

Builds the operations that will migrate the database 'up'.

```
protected override void Up(MigrationBuilder migrationBuilder)
```

Parameters

`migrationBuilder` [MigrationBuilder](#)

The [MigrationBuilder](#) that will build the operations.

Remarks

That is, builds the operations that will take the database from the state left in by the previous migration so that it is up-to-date with regard to this migration.

This method must be overridden in each class that inherits from [Migration](#).

See [Database migrations](#) for more information and examples.

Class InitialMigration

Namespace: [LibraryApi.Migrations](#)

Assembly: LibraryApi.dll

A base class inherited by each EF Core migration.

```
[DbContext(typeof(LibraryDbContext))]
[Migration("20241101190149_InitialMigration")]
public class InitialMigration : Migration
```

Inheritance

[object](#) ← [Migration](#) ← InitialMigration

Inherited Members

[Migration.InitialDatabase](#) , [Migration.TargetModel](#) , [Migration.UpOperations](#) ,
[Migration.DownOperations](#) , [Migration.ActiveProvider](#) , [object.Equals\(object\)](#) ,
[object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Remarks

See [Database migrations](#) for more information and examples.

Methods

BuildTargetModel(ModelBuilder)

Implemented to build the [TargetModel](#).

```
protected override void BuildTargetModel(ModelBuilder modelBuilder)
```

Parameters

`modelBuilder` [ModelBuilder](#)

The [ModelBuilder](#) to use to build the model.

Remarks

See [Database migrations](#) for more information and examples.

Down(MigrationBuilder)

Builds the operations that will migrate the database 'down'.

```
protected override void Down(MigrationBuilder migrationBuilder)
```

Parameters

`migrationBuilder` [MigrationBuilder](#)

The [MigrationBuilder](#) that will build the operations.

Remarks

That is, builds the operations that will take the database from the state left in by this migration so that it returns to the state that it was in before this migration was applied.

This method must be overridden in each class that inherits from [Migration](#) if both 'up' and 'down' migrations are to be supported. If it is not overridden, then calling it will throw and it will not be possible to migrate in the 'down' direction.

See [Database migrations](#) for more information and examples.

Up(MigrationBuilder)

Builds the operations that will migrate the database 'up'.

```
protected override void Up(MigrationBuilder migrationBuilder)
```

Parameters

`migrationBuilder` [MigrationBuilder](#)

The [MigrationBuilder](#) that will build the operations.

Remarks

That is, builds the operations that will take the database from the state left in by the previous migration so that it is up-to-date with regard to this migration.

This method must be overridden in each class that inherits from [Migration](#).

See [Database migrations](#) for more information and examples.

Namespace LibraryApi.Services

Classes

[BookService](#)

[LibraryEntityService< TEntity >](#)

Interfaces

[IBookService](#)

[ILibraryEntityService< TEntity >](#)

Class BookService

Namespace: [LibraryApi.Services](#)

Assembly: LibraryApi.dll

```
public class BookService : LibraryEntityService<Book>,
    IBookService, ILibraryEntityService<Book>
```

Inheritance

[object](#) ← [LibraryEntityService<Book>](#) ← BookService

Implements

[IBookService](#), [ILibraryEntityService<Book>](#)

Inherited Members

[LibraryEntityService<Book>.repository](#) ,
[LibraryEntityService<Book>.GetByIdAsync\(int, CancellationToken\)](#) ,
[LibraryEntityService<Book>.GetByIdsAsync\(IEnumerable<int>, CancellationToken\)](#) ,
[LibraryEntityService<Book>.GetPaginatedAsync\(LibraryFilterRequest, CancellationToken\)](#) ,
[LibraryEntityService<Book>.GetItemTotalAmountAsync\(LibraryFilterRequest, CancellationToken\)](#) ,
[LibraryEntityService<Book>.CreateAsync\(Book, CancellationToken\)](#) ,
[LibraryEntityService<Book>.UpdateAsync\(Book, CancellationToken\)](#) ,
[LibraryEntityService<Book>.DeleteAsync\(int, CancellationToken\)](#) , [object.Equals\(object\)](#) ,
[object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Constructors

BookService(IBookRepository)

```
public BookService(IBookRepository repository)
```

Parameters

repository [IBookRepository](#)

Methods

ChangeBookStockAmount(Dictionary<int, int>, CancellationToken)

```
public Task ChangeBookStockAmount(Dictionary<int, int> changeRequests,  
CancellationToken cancellationToken)
```

Parameters

changeRequests [Dictionary<int, int>](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)

RaisePopularityAsync(IEnumerable<int>, CancellationToken)

```
public Task RaisePopularityAsync(IEnumerable<int> ids, CancellationToken  
cancellationToken)
```

Parameters

ids [IEnumerable<int>](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)

Interface IBookService

Namespace: [LibraryApi.Services](#)

Assembly: LibraryApi.dll

```
public interface IBookService : ILibraryEntityService<Book>
```

Inherited Members

[ILibraryEntityService<Book>.CreateAsync\(Book, CancellationToken\)](#) ,
[ILibraryEntityService<Book>.DeleteAsync\(int, CancellationToken\)](#) ,
[ILibraryEntityService<Book>.GetByIdAsync\(int, CancellationToken\)](#) ,
[ILibraryEntityService<Book>.GetByIdsAsync\(IEnumerable<int>, CancellationToken\)](#) ,
[ILibraryEntityService<Book>.GetItemTotalAmountAsync\(LibraryFilterRequest, CancellationToken\)](#) ,
[ILibraryEntityService<Book>.GetPaginatedAsync\(LibraryFilterRequest, CancellationToken\)](#) ,
[ILibraryEntityService<Book>.UpdateAsync\(Book, CancellationToken\)](#).

Methods

ChangeBookStockAmount(Dictionary<int, int>, CancellationToken)

```
Task ChangeBookStockAmount(Dictionary<int, int> changeRequests,  
CancellationToken cancellationToken)
```

Parameters

changeRequests [Dictionary<int, int>](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)

RaisePopularityAsync(IEnumerable<int>, CancellationToken)

Task `RaisePopularityAsync(IEnumerable<int> ids, CancellationToken cancellationToken)`

Parameters

`ids` [IEnumerable<int>](#)

`cancellationToken` [CancellationToken](#)

Returns

[Task](#)

Interface ILibraryEntityService< TEntity >

Namespace: [LibraryApi.Services](#)

Assembly: LibraryApi.dll

```
public interface ILibraryEntityService< TEntity > where TEntity : BaseLibraryEntity
```

Type Parameters

TEntity

Methods

CreateAsync(TEntity, CancellationToken)

```
Task< TEntity > CreateAsync(TEntity entity, CancellationToken cancellationToken)
```

Parameters

entity TEntity

cancellationToken [CancellationToken](#)

Returns

[Task](#)< TEntity >

DeleteAsync(int, CancellationToken)

```
Task DeleteAsync(int id, CancellationToken cancellationToken)
```

Parameters

id [int](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)

GetByIdAsync(int, CancellationToken)

Task< TEntity?> GetByIdAsync([int](#) id, [CancellationToken](#) cancellationToken)

Parameters

[id \[int\]\(#\)](#)

[cancellationToken \[CancellationToken\]\(#\)](#)

Returns

[Task](#)< TEntity>

GetByIdsAsync(IEnumerable<int>, CancellationToken)

Task< IEnumerable< TEntity>> GetByIdsAsync([IEnumerable](#)< [int](#) > ids,
CancellationToken cancellationToken)

Parameters

[ids \[IEnumerable\]\(#\)< \[int\]\(#\) >](#)

[cancellationToken \[CancellationToken\]\(#\)](#)

Returns

[Task](#)< [IEnumerable](#)< TEntity >>

GetItemTotalAmountAsync(LibraryFilterRequest, CancellationToken)

```
Task<int> GetItemTotalAmountAsync(LibraryFilterRequest req,  
CancellationToken cancellationToken)
```

Parameters

req [LibraryFilterRequest](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<int>

GetPaginatedAsync(LibraryFilterRequest, CancellationToken)

```
Task<IEnumerable< TEntity >> GetPaginatedAsync(LibraryFilterRequest req,  
CancellationToken cancellationToken)
```

Parameters

req [LibraryFilterRequest](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[IEnumerable](#)< TEntity >>

UpdateAsync(TEntity, CancellationToken)

```
Task< TEntity > UpdateAsync(TEntity entity, CancellationToken cancellationToken)
```

Parameters

entity TEntity

cancellationToken [CancellationToken](#)

Returns

[Task](#) <

Class LibraryEntityService< TEntity >

Namespace: [LibraryApi.Services](#)

Assembly: LibraryApi.dll

```
public class LibraryEntityService< TEntity > : ILibraryEntityService< TEntity > where
    TEntity : BaseLibraryEntity
```

Type Parameters

TEntity

Inheritance

[object](#) ← LibraryEntityService< TEntity >

Implements

[ILibraryEntityService](#)< TEntity >

Derived

[BookService](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

LibraryEntityService(ILibraryEntityRepository< TEntity >)

```
public LibraryEntityService(ILibraryEntityRepository< TEntity > repository)
```

Parameters

repository [ILibraryEntityRepository](#)< TEntity >

Fields

repository

```
protected readonly ILibraryEntityRepository< TEntity > repository
```

Field Value

[ILibraryEntityRepository](#)< TEntity >

Methods

CreateAsync(TEntity, CancellationToken)

```
public virtual Task< TEntity > CreateAsync( TEntity entity, CancellationToken cancellationToken )
```

Parameters

entity TEntity

cancellationToken [CancellationToken](#)

Returns

[Task](#)< TEntity >

DeleteAsync(int, CancellationToken)

```
public virtual Task DeleteAsync( int id, CancellationToken cancellationToken )
```

Parameters

id [int](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)

GetByIdAsync(int, CancellationToken)

```
public virtual Task<TEntity?> GetByIdAsync(int id, CancellationToken  
cancellationToken)
```

Parameters

`id int`

`cancellationToken CancellationToken`

Returns

[Task](#)<TEntity>

GetByIdsAsync(IEnumerable<int>, CancellationToken)

```
public virtual Task<IEnumerable<TEntity>> GetByIdsAsync(IEnumerable<int> ids,  
CancellationToken cancellationToken)
```

Parameters

`ids IEnumerable<int>`

`cancellationToken CancellationToken`

Returns

[Task](#)<IEnumerable<TEntity>>

GetItemTotalAmountAsync(LibraryFilterRequest, CancellationToken)

```
public virtual Task<int> GetItemTotalAmountAsync(LibraryFilterRequest req,  
CancellationToken cancellationToken)
```

Parameters

req [LibraryFilterRequest](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<int>

GetPaginatedAsync(LibraryFilterRequest, CancellationToken)

```
public virtual Task<IEnumerable< TEntity >> GetPaginatedAsync(LibraryFilterRequest  
req, CancellationToken cancellationToken)
```

Parameters

req [LibraryFilterRequest](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[IEnumerable](#)< TEntity >>

UpdateAsync(TEntity, CancellationToken)

```
public virtual Task< TEntity > UpdateAsync( TEntity entity, CancellationToken  
cancellationToken )
```

Parameters

entity TEntity

cancellationToken [CancellationToken](#)

Returns

[Task](#)< TEntity >

Namespace LibraryApi.Validators

Classes

[BookFilterRequestValidator](#)

[GetByIdsRequestValidator](#)

[LibraryFilterRequestValidator](#)

Class BookFilterRequestValidator

Namespace: [LibraryApi.Validators](#)

Assembly: LibraryApi.dll

```
public class BookFilterRequestValidator : AbstractValidator<BookFilterRequest>,  
IValidator<BookFilterRequest>, IValidator, IEnumerable<IValidationRule>, IEnumerable
```

Inheritance

[object](#) ← AbstractValidator<[BookFilterRequest](#)> ← BookFilterRequestValidator

Implements

IValidator<[BookFilterRequest](#)>, IValidator, [IEnumerable](#)<IValidationRule>, [IEnumerable](#)

Inherited Members

AbstractValidator<BookFilterRequest>.Validate(BookFilterRequest) ,
[AbstractValidator<BookFilterRequest>.ValidateAsync\(BookFilterRequest, CancellationToken\)](#) ↴ ,
AbstractValidator<BookFilterRequest>.Validate(ValidationContext<BookFilterRequest>) ,
[AbstractValidator<BookFilterRequest>.ValidateAsync\(ValidationContext<BookFilterRequest>, CancellationToken\)](#) ↴ ,
AbstractValidator<BookFilterRequest>.CreateDescriptor() ,
[AbstractValidator<BookFilterRequest>.RuleFor<TPROPERTY>\(Expression<Func<BookFilterRequest, TPROPERTY>>\)](#) ↴ ,
[AbstractValidator<BookFilterRequest>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<BookFilterRequest, TPROPERTY>>, Func<TPROPERTY, TTRANSFORMED>\)](#) ↴ ,
[AbstractValidator<BookFilterRequest>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<BookFilterRequest, TPROPERTY>>, Func<BookFilterRequest, TPROPERTY, TTRANSFORMED>\)](#) ↴ ,
[AbstractValidator<BookFilterRequest>.RuleForEach<TELEMENT>\(Expression<Func<BookFilterRequest, IEnumerable<TELEMENT>>\)](#) ↴ ,
[AbstractValidator<BookFilterRequest>.TransformForEach<TELEMENT, TTRANSFORMED>\(Expression<Func<BookFilterRequest, IEnumerable<TELEMENT>>, Func<TELEMENT, TTRANSFORMED>\)](#) ↴ ,
[AbstractValidator<BookFilterRequest>.TransformForEach<TELEMENT, TTRANSFORMED>\(Expression<Func<BookFilterRequest, IEnumerable<TELEMENT>>, Func<BookFilterRequest, TELEMENT, TTRANSFORMED>\)](#) ↴ ,
[AbstractValidator<BookFilterRequest>.RuleSet\(string, Action\)](#) ↴ ,
[AbstractValidator<BookFilterRequest>.When\(Func<BookFilterRequest, bool>, Action\)](#) ↴ ,

```
AbstractValidator<BookFilterRequest>.When\(Func<BookFilterRequest,
ValidationContext<BookFilterRequest>, bool>, Action\) ,
AbstractValidator<BookFilterRequest>.Unless\(Func<BookFilterRequest, bool>, Action\) ,
AbstractValidator<BookFilterRequest>.Unless\(Func<BookFilterRequest,
ValidationContext<BookFilterRequest>, bool>, Action\) ,
AbstractValidator<BookFilterRequest>.WhenAsync\(Func<BookFilterRequest,
CancellationToken, Task<bool>>, Action\) ,
AbstractValidator<BookFilterRequest>.WhenAsync\(Func<BookFilterRequest,
ValidationContext<BookFilterRequest>, CancellationToken, Task<bool>>, Action\) ,
AbstractValidator<BookFilterRequest>.UnlessAsync\(Func<BookFilterRequest,
CancellationToken, Task<bool>>, Action\) ,
AbstractValidator<BookFilterRequest>.UnlessAsync\(Func<BookFilterRequest,
ValidationContext<BookFilterRequest>, CancellationToken, Task<bool>>, Action\) ,
AbstractValidator<BookFilterRequest>.Include(IValidator<BookFilterRequest>) ,
AbstractValidator<BookFilterRequest>.Include<TValidator>\(Func<BookFilterRequest,
TValidator>\) ,
AbstractValidator<BookFilterRequest>.GetEnumerator() ,
AbstractValidator<BookFilterRequest>.EnsureInstanceNotNull\(object\) ,
AbstractValidator<BookFilterRequest>.PreValidate(ValidationContext<BookFilterRequest>,
ValidationResult) ,
AbstractValidator<BookFilterRequest>.RaiseValidationException(ValidationContext<BookFilterRequest>, ValidationResult) ,
AbstractValidator<BookFilterRequest>.CascadeMode ,
AbstractValidator<BookFilterRequest>.ClassLevelCascadeMode ,
AbstractValidator<BookFilterRequest>.RuleLevelCascadeMode , object.Equals\(object\) ,
object.Equals\(object, object\) , object.GetHashCode\(\) , object.GetType\(\) ,
object.MemberwiseClone\(\) , object.ReferenceEquals\(object, object\) , object.ToString\(\)
```

Constructors

BookFilterRequestValidator(PaginationOptions)

```
public BookFilterRequestValidator(PaginationOptions paginationConfiguration)
```

Parameters

paginationConfiguration [PaginationOptions](#)

Class GetByIdsRequestValidator

Namespace: [LibraryApi.Validators](#)

Assembly: LibraryApi.dll

```
public class GetByIdsRequestValidator : AbstractValidator<GetByIdsRequest>,
IValidator<GetByIdsRequest>, IValidator, IEnumerable<IValidationRule>, IEnumerable
```

Inheritance

[object](#) ← AbstractValidator<[GetByIdsRequest](#)> ← GetByIdsRequestValidator

Implements

IValidator<[GetByIdsRequest](#)>, IValidator, [IEnumerable](#)<IValidationRule>, [IEnumerable](#)

Inherited Members

AbstractValidator<GetByIdsRequest>.Validate(GetByIdsRequest) ,
[AbstractValidator<GetByIdsRequest>.ValidateAsync\(GetByIdsRequest, CancellationToken\)](#) ,
, AbstractValidator<GetByIdsRequest>.Validate(ValidationContext<GetByIdsRequest>) ,
[AbstractValidator<GetByIdsRequest>.ValidateAsync\(ValidationContext<GetByIdsRequest>, CancellationToken\)](#) ,
AbstractValidator<GetByIdsRequest>.CreateDescriptor() ,
[AbstractValidator<GetByIdsRequest>.RuleFor<TPROPERTY>\(Expression<Func<GetByIdsRequest, TPROPERTY>>\)](#) ,
[AbstractValidator<GetByIdsRequest>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<GetByIdsRequest, TPROPERTY>>, Func<TPROPERTY, TTRANSFORMED>\)](#) ,
[AbstractValidator<GetByIdsRequest>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<GetByIdsRequest, TPROPERTY>>, Func<GetByIdsRequest, TPROPERTY, TTRANSFORMED>\)](#) ,
[AbstractValidator<GetByIdsRequest>.RuleForEach<TELEMENT>\(Expression<Func<GetByIdsRequest, IEnumerable<TELEMENT>>\)](#) ,
[AbstractValidator<GetByIdsRequest>.TransformForEach<TELEMENT, TTRANSFORMED>\(Expression<Func<GetByIdsRequest, IEnumerable<TELEMENT>>, Func<TELEMENT, TTRANSFORMED>\)](#) ,
[AbstractValidator<GetByIdsRequest>.TransformForEach<TELEMENT, TTRANSFORMED>\(Expression<Func<GetByIdsRequest, IEnumerable<TELEMENT>>, Func<GetByIdsRequest, TELEMENT, TTRANSFORMED>\)](#) ,
[AbstractValidator<GetByIdsRequest>.RuleSet\(string, Action\)](#) ,
[AbstractValidator<GetByIdsRequest>.When\(Func<GetByIdsRequest, bool>, Action\)](#) ,

[AbstractValidator<GetByIdsRequest>.When\(Func<GetByIdsRequest, ValidationContext<GetByIdsRequest>, bool>, Action\)](#) ,
[AbstractValidator<GetByIdsRequest>.Unless\(Func<GetByIdsRequest, bool>, Action\)](#) ,
[AbstractValidator<GetByIdsRequest>.Unless\(Func<GetByIdsRequest, ValidationContext<GetByIdsRequest>, bool>, Action\)](#) ,
[AbstractValidator<GetByIdsRequest>.WhenAsync\(Func<GetByIdsRequest, CancellationToken, Task<bool>>, Action\)](#) ,
[AbstractValidator<GetByIdsRequest>.WhenAsync\(Func<GetByIdsRequest, ValidationContext<GetByIdsRequest>, CancellationToken, Task<bool>>, Action\)](#) ,
[AbstractValidator<GetByIdsRequest>.UnlessAsync\(Func<GetByIdsRequest, CancellationToken, Task<bool>>, Action\)](#) ,
[AbstractValidator<GetByIdsRequest>.UnlessAsync\(Func<GetByIdsRequest, ValidationContext<GetByIdsRequest>, CancellationToken, Task<bool>>, Action\)](#) ,
AbstractValidator<GetByIdsRequest>.Include(IValidator<GetByIdsRequest>) ,
[AbstractValidator<GetByIdsRequest>.Include<TValidator>\(Func<GetByIdsRequest, TValidator>\)](#) ,
AbstractValidator<GetByIdsRequest>.GetEnumerator() ,
[AbstractValidator<GetByIdsRequest>.EnsureInstanceNotNull\(object\)](#) ,
AbstractValidator<GetByIdsRequest>.PreValidate(ValidationContext<GetByIdsRequest>, ValidationResult) ,
AbstractValidator<GetByIdsRequest>.RaiseValidationException(ValidationContext<GetByIdsRequest>, ValidationResult) ,
AbstractValidator<GetByIdsRequest>.CascadeMode ,
AbstractValidator<GetByIdsRequest>.ClassLevelCascadeMode ,
AbstractValidator<GetByIdsRequest>.RuleLevelCascadeMode , [object.Equals\(object\)](#) ,
[object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Constructors

GetByIdsRequestValidator(PaginationOptions)

```
public GetIdsRequestValidator(PaginationOptions paginationConfiguration)
```

Parameters

paginationConfiguration [PaginationOptions](#)

Class LibraryFilterRequestValidator

Namespace: [LibraryApiValidators](#)

Assembly: LibraryApi.dll

```
public class LibraryFilterRequestValidator :  
AbstractValidator<LibraryFilterRequest>, IValidator<LibraryFilterRequest>,  
IValidator, IEnumerable<IValidationRule>, IEnumerable
```

Inheritance

[object](#) ← AbstractValidator<[LibraryFilterRequest](#)> ← LibraryFilterRequestValidator

Implements

IValidator<[LibraryFilterRequest](#)>, IValidator, [IEnumerable](#)<IValidationRule>,
[IEnumerable](#)

Inherited Members

AbstractValidator<LibraryFilterRequest>.Validate(LibraryFilterRequest) ,
[AbstractValidator<LibraryFilterRequest>.ValidateAsync\(LibraryFilterRequest, CancellationToken\)](#) ,
AbstractValidator<LibraryFilterRequest>.Validate(ValidationContext<LibraryFilterRequest>)
,

[AbstractValidator<LibraryFilterRequest>.ValidateAsync\(ValidationContext<LibraryFilterRequest>, CancellationToken\)](#) ,
AbstractValidator<LibraryFilterRequest>.CreateDescriptor() ,
[AbstractValidator<LibraryFilterRequest>.RuleFor<TPROPERTY>\(Expression<Func<LibraryFilterRequest, TPROPERTY>>\)](#) ,
[AbstractValidator<LibraryFilterRequest>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<LibraryFilterRequest, TPROPERTY>>, Func<TPROPERTY, TTRANSFORMED>\)](#) ,
[AbstractValidator<LibraryFilterRequest>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<LibraryFilterRequest, TPROPERTY>>, Func<LibraryFilterRequest, TPROPERTY, TTRANSFORMED>\)](#) ,
[AbstractValidator<LibraryFilterRequest>.RuleForEach<TELEMENT>\(Expression<Func<LibraryFilterRequest, IEnumerable<TELEMENT>>>\)](#) ,
[AbstractValidator<LibraryFilterRequest>.TransformForEach<TELEMENT, TTRANSFORMED>\(Expression<Func<LibraryFilterRequest, IEnumerable<TELEMENT>>>, Func<TELEMENT, TTRANSFORMED>\)](#) ,

```
AbstractValidator<LibraryFilterRequest>.TransformForEach<TElement, TTransformed>\(Expression<Func<LibraryFilterRequest, IEnumerable<TElement>>>, Func<LibraryFilterRequest, TElement, TTransformed>\) ,
AbstractValidator<LibraryFilterRequest>.RuleSet\(string, Action\) ,
AbstractValidator<LibraryFilterRequest>.When\(Func<LibraryFilterRequest, bool>, Action\) ,

AbstractValidator<LibraryFilterRequest>.When\(Func<LibraryFilterRequest, ValidationContext<LibraryFilterRequest>, bool>, Action\) ,
AbstractValidator<LibraryFilterRequest>.Unless\(Func<LibraryFilterRequest, bool>, Action\) ,

AbstractValidator<LibraryFilterRequest>.Unless\(Func<LibraryFilterRequest, ValidationContext<LibraryFilterRequest>, bool>, Action\) ,
AbstractValidator<LibraryFilterRequest>.WhenAsync\(Func<LibraryFilterRequest, CancellationToken, Task<bool>>, Action\) ,
AbstractValidator<LibraryFilterRequest>.WhenAsync\(Func<LibraryFilterRequest, ValidationContext<LibraryFilterRequest>, CancellationToken, Task<bool>>, Action\) ,
AbstractValidator<LibraryFilterRequest>.UnlessAsync\(Func<LibraryFilterRequest, CancellationToken, Task<bool>>, Action\) ,
AbstractValidator<LibraryFilterRequest>.UnlessAsync\(Func<LibraryFilterRequest, ValidationContext<LibraryFilterRequest>, CancellationToken, Task<bool>>, Action\) ,
AbstractValidator<LibraryFilterRequest>.Include(IValidator<LibraryFilterRequest>) ,
AbstractValidator<LibraryFilterRequest>.Include<TValidator>\(Func<LibraryFilterRequest, TValidator>\) ,
AbstractValidator<LibraryFilterRequest>.GetEnumerator() ,
AbstractValidator<LibraryFilterRequest>.EnsureInstanceNotNull\(object\) ,
AbstractValidator<LibraryFilterRequest>.PreValidate(ValidationContext<LibraryFilterRequest>, ValidationResult) ,
AbstractValidator<LibraryFilterRequest>.RaiseValidationException(ValidationContext<LibraryFilterRequest>, ValidationResult) ,
AbstractValidator<LibraryFilterRequest>.CascadeMode ,
AbstractValidator<LibraryFilterRequest>.ClassLevelCascadeMode ,
AbstractValidator<LibraryFilterRequest>.RuleLevelCascadeMode , object.Equals\(object\) , object.Equals\(object, object\) , object.GetHashCode\(\) , object.GetType\(\) , object.MemberwiseClone\(\) , object.ReferenceEquals\(object, object\) , object.ToString\(\) ,
```

Constructors

LibraryFilterRequestValidator(PaginationOptions)

```
public LibraryFilterRequestValidator(PaginationOptions paginationConfiguration)
```

Parameters

paginationConfiguration [PaginationOptions](#)

Namespace LibraryApi.Validators.Author Classes

[CreateAuthorRequestValidator](#)

[UpdateAuthorRequestValidator](#)

Class CreateAuthorRequestValidator

Namespace: [LibraryApi.Validators.Author](#)

Assembly: LibraryApi.dll

```
public class CreateAuthorRequestValidator : AbstractValidator<CreateAuthorRequest>,  
IValidator<CreateAuthorRequest>, IValidator, IEnumerable<IValidationRule>,  
IEnumerable
```

Inheritance

[object](#) ← AbstractValidator<[CreateAuthorRequest](#)> ← CreateAuthorRequestValidator

Implements

IValidator<[CreateAuthorRequest](#)>, IValidator, [IEnumerable](#)<IValidationRule>,
[IEnumerable](#)

Inherited Members

AbstractValidator<CreateAuthorRequest>.Validate(CreateAuthorRequest) ,
[AbstractValidator<CreateAuthorRequest>.ValidateAsync\(CreateAuthorRequest, CancellationToken\)](#) ,
AbstractValidator<CreateAuthorRequest>.Validate(ValidationContext<CreateAuthorRequest>) ,
[AbstractValidator<CreateAuthorRequest>.ValidateAsync\(ValidationContext<CreateAuthorRequest>, CancellationToken\)](#) ,
AbstractValidator<CreateAuthorRequest>.CreateDescriptor() ,
[AbstractValidator<CreateAuthorRequest>.RuleFor<TPROPERTY>\(Expression<Func<CreateAuthorRequest, TPROPERTY>>\)](#) ,
[AbstractValidator<CreateAuthorRequest>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<CreateAuthorRequest, TPROPERTY>>, Func<TPROPERTY, TTRANSFORMED>\)](#) ,
,
[AbstractValidator<CreateAuthorRequest>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<CreateAuthorRequest, TPROPERTY>>, Func<CreateAuthorRequest, TPROPERTY, TTRANSFORMED>\)](#) ,
[AbstractValidator<CreateAuthorRequest>.RuleForEach<TELEMENT>\(Expression<Func<CreateAuthorRequest, IEnumerable<TELEMENT>>\)](#) ,
[AbstractValidator<CreateAuthorRequest>.TransformForEach<TELEMENT, TTRANSFORMED>\(Expression<Func<CreateAuthorRequest, IEnumerable<TELEMENT>>, Func<TELEMENT, TTRANSFORMED>\)](#) ,

```
AbstractValidator<CreateAuthorRequest>.TransformForEach<TElement, TTransformed>\(Expression<Func<CreateAuthorRequest, IEnumerable<TElement>>>, Func<CreateAuthorRequest, TElement, TTransformed>\) ,
AbstractValidator<CreateAuthorRequest>.RuleSet\(string, Action\) ,
AbstractValidator<CreateAuthorRequest>.When\(Func<CreateAuthorRequest, bool>, Action\) ,
AbstractValidator<CreateAuthorRequest>.When\(Func<CreateAuthorRequest, ValidationContext<CreateAuthorRequest>, bool>, Action\) ,
AbstractValidator<CreateAuthorRequest>.Unless\(Func<CreateAuthorRequest, bool>, Action\) ,
AbstractValidator<CreateAuthorRequest>.Unless\(Func<CreateAuthorRequest, ValidationContext<CreateAuthorRequest>, bool>, Action\) ,
AbstractValidator<CreateAuthorRequest>.WhenAsync\(Func<CreateAuthorRequest, CancellationToken, Task<bool>>, Action\) ,
AbstractValidator<CreateAuthorRequest>.WhenAsync\(Func<CreateAuthorRequest, ValidationContext<CreateAuthorRequest>, CancellationToken, Task<bool>>, Action\) ,
AbstractValidator<CreateAuthorRequest>.UnlessAsync\(Func<CreateAuthorRequest, CancellationToken, Task<bool>>, Action\) ,
AbstractValidator<CreateAuthorRequest>.UnlessAsync\(Func<CreateAuthorRequest, ValidationContext<CreateAuthorRequest>, CancellationToken, Task<bool>>, Action\) ,
AbstractValidator<CreateAuthorRequest>.Include(IValidator<CreateAuthorRequest>) ,
AbstractValidator<CreateAuthorRequest>.Include<TValidator>(Func<CreateAuthorRequest, TValidator>) ,
AbstractValidator<CreateAuthorRequest>.GetEnumerator() ,
AbstractValidator<CreateAuthorRequest>.EnsureInstanceNotNull(object) ,
AbstractValidator<CreateAuthorRequest>.PreValidate(ValidationContext<CreateAuthorRequest>, ValidationResult) ,
AbstractValidator<CreateAuthorRequest>.RaiseValidationException(ValidationContext<CreateAuthorRequest>, ValidationResult) ,
AbstractValidator<CreateAuthorRequest>.CascadeMode ,
AbstractValidator<CreateAuthorRequest>.ClassLevelCascadeMode ,
AbstractValidator<CreateAuthorRequest>.RuleLevelCascadeMode , object.Equals(object) ,
object.Equals(object, object) , object.GetHashCode() , object.GetType() ,
object.MemberwiseClone() , object.ReferenceEquals(object, object) , object.ToString() ,
```

Constructors

CreateAuthorRequestValidator()

```
public CreateAuthorRequestValidator()
```

Class UpdateAuthorRequestValidator

Namespace: [LibraryApi.Validators.Author](#)

Assembly: LibraryApi.dll

```
public class UpdateAuthorRequestValidator : AbstractValidator<UpdateAuthorRequest>,  
IValidator<UpdateAuthorRequest>, IValidator, IEnumerable<IValidationRule>,  
IEnumerable
```

Inheritance

[object](#) ← AbstractValidator<[UpdateAuthorRequest](#)> ← UpdateAuthorRequestValidator

Implements

IValidator<[UpdateAuthorRequest](#)>, IValidator, [IEnumerable](#)<IValidationRule>,
[IEnumerable](#)

Inherited Members

AbstractValidator<UpdateAuthorRequest>.Validate(UpdateAuthorRequest) ,
[AbstractValidator<UpdateAuthorRequest>.ValidateAsync\(UpdateAuthorRequest, CancellationToken\)](#) ,
AbstractValidator<UpdateAuthorRequest>.Validate(ValidationContext<UpdateAuthorRequest>) ,
[AbstractValidator<UpdateAuthorRequest>.ValidateAsync\(ValidationContext<UpdateAuthorRequest>, CancellationToken\)](#) ,
AbstractValidator<UpdateAuthorRequest>.CreateDescriptor() ,
[AbstractValidator<UpdateAuthorRequest>.RuleFor<TPROPERTY>\(Expression<Func<UpdateAuthorRequest, TPROPERTY>>\)](#) ,
[AbstractValidator<UpdateAuthorRequest>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<UpdateAuthorRequest, TPROPERTY>>, Func<TPROPERTY, TTRANSFORMED>\)](#) ,

[AbstractValidator<UpdateAuthorRequest>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<UpdateAuthorRequest, TPROPERTY>>, Func<UpdateAuthorRequest, TPROPERTY, TTRANSFORMED>\)](#) ,
[AbstractValidator<UpdateAuthorRequest>.RuleForEach<TELEMENT>\(Expression<Func<UpdateAuthorRequest, IEnumerable<TELEMENT>>>\)](#) ,
[AbstractValidator<UpdateAuthorRequest>.TransformForEach<TELEMENT, TTRANSFORMED>\(Expression<Func<UpdateAuthorRequest, IEnumerable<TELEMENT>>>, Func<TELEMENT, TTRANSFORMED>\)](#) ,

```
AbstractValidator<UpdateAuthorRequest>.TransformForEach<TElement, TTransformed>\(Expression<Func<UpdateAuthorRequest, IEnumerable<TElement>>>, Func<UpdateAuthorRequest, TElement, TTransformed>\) ,
AbstractValidator<UpdateAuthorRequest>.RuleSet\(string, Action\) ,
AbstractValidator<UpdateAuthorRequest>.When\(Func<UpdateAuthorRequest, bool>, Action\) ,
AbstractValidator<UpdateAuthorRequest>.When\(Func<UpdateAuthorRequest, ValidationContext<UpdateAuthorRequest>, bool>, Action\) ,
AbstractValidator<UpdateAuthorRequest>.Unless\(Func<UpdateAuthorRequest, bool>, Action\) ,
AbstractValidator<UpdateAuthorRequest>.Unless\(Func<UpdateAuthorRequest, ValidationContext<UpdateAuthorRequest>, bool>, Action\) ,
AbstractValidator<UpdateAuthorRequest>.WhenAsync\(Func<UpdateAuthorRequest, CancellationToken, Task<bool>>, Action\) ,
AbstractValidator<UpdateAuthorRequest>.WhenAsync\(Func<UpdateAuthorRequest, ValidationContext<UpdateAuthorRequest>, CancellationToken, Task<bool>>, Action\) ,
AbstractValidator<UpdateAuthorRequest>.UnlessAsync\(Func<UpdateAuthorRequest, CancellationToken, Task<bool>>, Action\) ,
AbstractValidator<UpdateAuthorRequest>.UnlessAsync\(Func<UpdateAuthorRequest, ValidationContext<UpdateAuthorRequest>, CancellationToken, Task<bool>>, Action\) ,
AbstractValidator<UpdateAuthorRequest>.Include(IValidator<UpdateAuthorRequest>) ,
AbstractValidator<UpdateAuthorRequest>.Include<TValidator>(Func<UpdateAuthorRequest, TValidator>) ,
AbstractValidator<UpdateAuthorRequest>.GetEnumerator() ,
AbstractValidator<UpdateAuthorRequest>.EnsureInstanceNotNull(object) ,
AbstractValidator<UpdateAuthorRequest>.PreValidate(ValidationContext<UpdateAuthorRequest>, ValidationResult) ,
AbstractValidator<UpdateAuthorRequest>.RaiseValidationException(ValidationContext<UpdateAuthorRequest>, ValidationResult) ,
AbstractValidator<UpdateAuthorRequest>.CascadeMode ,
AbstractValidator<UpdateAuthorRequest>.ClassLevelCascadeMode ,
AbstractValidator<UpdateAuthorRequest>.RuleLevelCascadeMode ,
object.Equals(object) , object.Equals(object, object) , object.GetHashCode() ,
object.GetType() , object.MemberwiseClone() , object.ReferenceEquals(object, object) ,
object.ToString()
```

Constructors

UpdateAuthorRequestValidator()

```
public UpdateAuthorRequestValidator()
```

Namespace LibraryApi.Validators.Book Classes

[CreateBookRequestValidator](#)

[RaiseBookPopularityRequestValidator](#)

[UpdateBookRequestValidator](#)

[UpdateBookStockAmountRequestCollectionValidator](#)

[UpdateBookStockAmountRequestValidator](#)

Class CreateBookRequestValidator

Namespace: [LibraryApi.Validators.Book](#)

Assembly: LibraryApi.dll

```
public class CreateBookRequestValidator : AbstractValidator<CreateBookRequest>,  
IValidator<CreateBookRequest>, IValidator, IEnumerable<IValidationRule>, IEnumerable
```

Inheritance

[object](#) ↵ AbstractValidator<[CreateBookRequest](#)> ↵ CreateBookRequestValidator

Implements

IValidator<[CreateBookRequest](#)>, IValidator, [IEnumerable](#)<IValidationRule>, [IEnumerable](#)

Inherited Members

AbstractValidator<CreateBookRequest>.Validate(CreateBookRequest) ,
[AbstractValidator<CreateBookRequest>.ValidateAsync\(CreateBookRequest, CancellationToken\)](#) ,
AbstractValidator<CreateBookRequest>.Validate(ValidationContext<CreateBookRequest>) ,
[AbstractValidator<CreateBookRequest>.ValidateAsync\(ValidationContext<CreateBookRequest>, CancellationToken\)](#) ,
AbstractValidator<CreateBookRequest>.CreateDescriptor() ,
[AbstractValidator<CreateBookRequest>.RuleFor<TPROPERTY>\(Expression<Func<CreateBookRequest, TPROPERTY>>\)](#) ,
[AbstractValidator<CreateBookRequest>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<CreateBookRequest, TPROPERTY>>, Func<TPROPERTY, TTRANSFORMED>\)](#) ,
[AbstractValidator<CreateBookRequest>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<CreateBookRequest, TPROPERTY>>, Func<CreateBookRequest, TPROPERTY, TTRANSFORMED>\)](#) ,
[AbstractValidator<CreateBookRequest>.RuleForEach<TELEMENT>\(Expression<Func<CreateBookRequest, IEnumerable<TELEMENT>>\)](#) ,
[AbstractValidator<CreateBookRequest>.TransformForEach<TELEMENT, TTRANSFORMED>\(Expression<Func<CreateBookRequest, IEnumerable<TELEMENT>>, Func<TELEMENT, TTRANSFORMED>\)](#) ,
[AbstractValidator<CreateBookRequest>.TransformForEach<TELEMENT, TTRANSFORMED>\(Expression<Func<CreateBookRequest, IEnumerable<TELEMENT>>, Func<CreateBookRequest, TELEMENT, TTRANSFORMED>\)](#) ,

```
AbstractValidator<CreateBookRequest>.RuleSet\(string, Action\) ,
AbstractValidator<CreateBookRequest>.When\(Func<CreateBookRequest, bool>, Action\) ,
AbstractValidator<CreateBookRequest>.When\(Func<CreateBookRequest,
ValidationContext<CreateBookRequest>, bool>, Action\) ,
AbstractValidator<CreateBookRequest>.Unless\(Func<CreateBookRequest, bool>, Action\)

,
AbstractValidator<CreateBookRequest>.Unless\(Func<CreateBookRequest,
ValidationContext<CreateBookRequest>, bool>, Action\) ,
AbstractValidator<CreateBookRequest>.WhenAsync\(Func<CreateBookRequest,
CancellationToken, Task<bool>>, Action\) ,
AbstractValidator<CreateBookRequest>.WhenAsync\(Func<CreateBookRequest,
ValidationContext<CreateBookRequest>, CancellationToken, Task<bool>>, Action\) ,
AbstractValidator<CreateBookRequest>.UnlessAsync\(Func<CreateBookRequest,
CancellationToken, Task<bool>>, Action\) ,
AbstractValidator<CreateBookRequest>.UnlessAsync\(Func<CreateBookRequest,
ValidationContext<CreateBookRequest>, CancellationToken, Task<bool>>, Action\) ,
AbstractValidator<CreateBookRequest>.Include(IValidator<CreateBookRequest>) ,
AbstractValidator<CreateBookRequest>.Include<TValidator>\(Func<CreateBookRequest,
TValidator>\) ,
AbstractValidator<CreateBookRequest>.GetEnumerator() ,
AbstractValidator<CreateBookRequest>.EnsureInstanceNotNull\(object\) ,
AbstractValidator<CreateBookRequest>.PreValidate(ValidationContext<CreateBookRequest
>, ValidationResult) ,
AbstractValidator<CreateBookRequest>.RaiseValidationException(ValidationContext<Create
eBookRequest>, ValidationResult) ,
AbstractValidator<CreateBookRequest>.CascadeMode ,
AbstractValidator<CreateBookRequest>.ClassLevelCascadeMode ,
AbstractValidator<CreateBookRequest>.RuleLevelCascadeMode , object.Equals\(object\) ,
object.Equals\(object, object\) , object.GetHashCode\(\) , object.GetType\(\) ,
object.MemberwiseClone\(\) , object.ReferenceEquals\(object, object\) , object.ToString\(\)
```

Constructors

CreateBookRequestValidator()

```
public CreateBookRequestValidator()
```

Class RaiseBookPopularityRequestValidator

Namespace: [LibraryApiValidatorsBook](#)

Assembly: LibraryApi.dll

```
public class RaiseBookPopularityRequestValidator
: AbstractValidator<RaiseBookPopularityRequest>,
IValidator<RaiseBookPopularityRequest>, IValidator, IEnumerable<IValidationRule>,
IEnumerable
```

Inheritance

[object](#) ← AbstractValidator<[RaiseBookPopularityRequest](#)> ←
RaiseBookPopularityRequestValidator

Implements

IValidator<[RaiseBookPopularityRequest](#)>, IValidator, [IEnumerable](#)<IValidationRule>,
[IEnumerable](#)

Inherited Members

AbstractValidator<RaiseBookPopularityRequest>.Validate(RaiseBookPopularityRequest) ,
[AbstractValidator<RaiseBookPopularityRequest>.ValidateAsync\(RaiseBookPopularityRequest, CancellationToken\)](#) ,
AbstractValidator<RaiseBookPopularityRequest>.Validate(ValidationContext<RaiseBookPopularityRequest>) ,
[AbstractValidator<RaiseBookPopularityRequest>.ValidateAsync\(ValidationContext<RaiseBookPopularityRequest>, CancellationToken\)](#) ,
AbstractValidator<RaiseBookPopularityRequest>.CreateDescriptor() ,
[AbstractValidator<RaiseBookPopularityRequest>.RuleFor<TPROPERTY>\(Expression<Func<RaiseBookPopularityRequest, TPROPERTY>>\)](#) ,
[AbstractValidator<RaiseBookPopularityRequest>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<RaiseBookPopularityRequest, TPROPERTY>>, Func<TPROPERTY, TTRANSFORMED>\)](#) ,
[AbstractValidator<RaiseBookPopularityRequest>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<RaiseBookPopularityRequest, TPROPERTY>>, Func<RaiseBookPopularityRequest, TPROPERTY, TTRANSFORMED>\)](#) ,
[AbstractValidator<RaiseBookPopularityRequest>.RuleForEach<TELEMENT>\(Expression<Func<RaiseBookPopularityRequest, IEnumerable<TELEMENT>>\)](#) ,

```
AbstractValidator<RaiseBookPopularityRequest>.TransformForEach<TElement,
TTransformed>\(Expression<Func<RaiseBookPopularityRequest,
IEnumerable<TElement>>>, Func<TElement, TTransformed>\) ↴ ,
AbstractValidator<RaiseBookPopularityRequest>.TransformForEach<TElement,
TTransformed>\(Expression<Func<RaiseBookPopularityRequest,
IEnumerable<TElement>>>, Func<RaiseBookPopularityRequest, TElement,
TTransformed>\) ↴ ,
AbstractValidator<RaiseBookPopularityRequest>.RuleSet\(string, Action\) ↴ ,
AbstractValidator<RaiseBookPopularityRequest>.When\(Func<RaiseBookPopularityRequest,
bool>, Action\) ↴ ,
AbstractValidator<RaiseBookPopularityRequest>.When\(Func<RaiseBookPopularityRequest,
ValidationContext<RaiseBookPopularityRequest>, bool>, Action\) ↴ ,
AbstractValidator<RaiseBookPopularityRequest>.Unless\(Func<RaiseBookPopularityRequest
, bool>, Action\) ↴ ,
AbstractValidator<RaiseBookPopularityRequest>.Unless\(Func<RaiseBookPopularityRequest
, ValidationContext<RaiseBookPopularityRequest>, bool>, Action\) ↴ ,
AbstractValidator<RaiseBookPopularityRequest>.WhenAsync\(Func<RaiseBookPopularityRe
quest, CancellationToken, Task<bool>>, Action\) ↴ ,
AbstractValidator<RaiseBookPopularityRequest>.WhenAsync\(Func<RaiseBookPopularityRe
quest, ValidationContext<RaiseBookPopularityRequest>, CancellationToken, Task<bool>>,
Action\) ↴ ,
AbstractValidator<RaiseBookPopularityRequest>.UnlessAsync\(Func<RaiseBookPopularityRe
quest, CancellationToken, Task<bool>>, Action\) ↴ ,
AbstractValidator<RaiseBookPopularityRequest>.UnlessAsync\(Func<RaiseBookPopularityRe
quest, ValidationContext<RaiseBookPopularityRequest>, CancellationToken, Task<bool>>,
Action\) ↴ ,
AbstractValidator<RaiseBookPopularityRequest>.Include(IValidator<RaiseBookPopularityRe
quest>) ,  

AbstractValidator<RaiseBookPopularityRequest>.Include<TValidator>
\(Func<RaiseBookPopularityRequest, TValidator>\) ↴ ,
AbstractValidator<RaiseBookPopularityRequest>.GetEnumerator() ,  

AbstractValidator<RaiseBookPopularityRequest>.EnsureInstanceNotNull\(object\) ↴ ,
AbstractValidator<RaiseBookPopularityRequest>.PreValidate(ValidationContext<RaiseBook
PopularityRequest>, ValidationResult) ,  

AbstractValidator<RaiseBookPopularityRequest>.RaiseValidationException(ValidationConte
xt<RaiseBookPopularityRequest>, ValidationResult) ,  

AbstractValidator<RaiseBookPopularityRequest>.CascadeMode ,  

AbstractValidator<RaiseBookPopularityRequest>.ClassLevelCascadeMode ,  

AbstractValidator<RaiseBookPopularityRequest>.RuleLevelCascadeMode ,  

object.Equals(object) ↴ , object.Equals(object, object) ↴ , object.GetHashCode() ↴ ,
```

[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Constructors

RaiseBookPopularityRequestValidator()

```
public RaiseBookPopularityRequestValidator()
```

Class UpdateBookRequestValidator

Namespace: [LibraryApi.Validators.Book](#)

Assembly: LibraryApi.dll

```
public class UpdateBookRequestValidator : AbstractValidator<UpdateBookRequest>,  
IValidator<UpdateBookRequest>, IValidator, IEnumerable<IValidationRule>, IEnumerable
```

Inheritance

[object](#) ← AbstractValidator<[UpdateBookRequest](#)> ← UpdateBookRequestValidator

Implements

IValidator<[UpdateBookRequest](#)>, IValidator, [IEnumerable](#)<IValidationRule>, [IEnumerable](#)

Inherited Members

AbstractValidator<UpdateBookRequest>.Validate(UpdateBookRequest) ,
[AbstractValidator<UpdateBookRequest>.ValidateAsync\(UpdateBookRequest, CancellationToken\)](#) ,
AbstractValidator<UpdateBookRequest>.Validate(ValidationContext<UpdateBookRequest>) ,
[AbstractValidator<UpdateBookRequest>.ValidateAsync\(ValidationContext<UpdateBookRequest>, CancellationToken\)](#) ,
AbstractValidator<UpdateBookRequest>.CreateDescriptor() ,
[AbstractValidator<UpdateBookRequest>.RuleFor<TPROPERTY>\(Expression<Func<UpdateBookRequest, TPROPERTY>>\)](#) ,
[AbstractValidator<UpdateBookRequest>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<UpdateBookRequest, TPROPERTY>>, Func<TPROPERTY, TTRANSFORMED>\)](#) ,
[AbstractValidator<UpdateBookRequest>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<UpdateBookRequest, TPROPERTY>>, Func<UpdateBookRequest, TPROPERTY, TTRANSFORMED>\)](#) ,
[AbstractValidator<UpdateBookRequest>.RuleForEach<TELEMENT>\(Expression<Func<UpdateBookRequest, IEnumerable<TELEMENT>>\)](#) ,
[AbstractValidator<UpdateBookRequest>.TransformForEach<TELEMENT, TTRANSFORMED>\(Expression<Func<UpdateBookRequest, IEnumerable<TELEMENT>>, Func<TELEMENT, TTRANSFORMED>\)](#) ,
[AbstractValidator<UpdateBookRequest>.TransformForEach<TELEMENT, TTRANSFORMED>\(Expression<Func<UpdateBookRequest, IEnumerable<TELEMENT>>, Func<UpdateBookRequest, TELEMENT, TTRANSFORMED>\)](#) ,

[AbstractValidator<UpdateBookRequest>.RuleSet\(string, Action\)](#) ,
[AbstractValidator<UpdateBookRequest>.When\(Func<UpdateBookRequest, bool>, Action\)](#) ,
,

[AbstractValidator<UpdateBookRequest>.When\(Func<UpdateBookRequest, ValidationContext<UpdateBookRequest>, bool>, Action\)](#) ,
[AbstractValidator<UpdateBookRequest>.Unless\(Func<UpdateBookRequest, bool>, Action\)](#) ,
,

[AbstractValidator<UpdateBookRequest>.Unless\(Func<UpdateBookRequest, ValidationContext<UpdateBookRequest>, bool>, Action\)](#) ,
[AbstractValidator<UpdateBookRequest>.WhenAsync\(Func<UpdateBookRequest, CancellationToken, Task<bool>>, Action\)](#) ,
[AbstractValidator<UpdateBookRequest>.WhenAsync\(Func<UpdateBookRequest, ValidationContext<UpdateBookRequest>, CancellationToken, Task<bool>>, Action\)](#) ,
[AbstractValidator<UpdateBookRequest>.UnlessAsync\(Func<UpdateBookRequest, CancellationToken, Task<bool>>, Action\)](#) ,
[AbstractValidator<UpdateBookRequest>.UnlessAsync\(Func<UpdateBookRequest, ValidationContext<UpdateBookRequest>, CancellationToken, Task<bool>>, Action\)](#) ,
AbstractValidator<UpdateBookRequest>.Include(IValidator<UpdateBookRequest>) ,
[AbstractValidator<UpdateBookRequest>.Include<TValidator>\(Func<UpdateBookRequest, TValidator>\)](#) ,
AbstractValidator<UpdateBookRequest>.GetEnumerator() ,
[AbstractValidator<UpdateBookRequest>.EnsureInstanceNotNull\(object\)](#) ,
AbstractValidator<UpdateBookRequest>.PreValidate(ValidationContext<UpdateBookRequest>, ValidationResult) ,
AbstractValidator<UpdateBookRequest>.RaiseValidationException(ValidationContext<UpdateBookRequest>, ValidationResult) ,
AbstractValidator<UpdateBookRequest>.CascadeMode ,
AbstractValidator<UpdateBookRequest>.ClassLevelCascadeMode ,
AbstractValidator<UpdateBookRequest>.RuleLevelCascadeMode , [object.Equals\(object\)](#) ,
[object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Constructors

UpdateBookRequestValidator()

```
public UpdateBookRequestValidator()
```

Class UpdateBookStockAmountRequestCollectionValidator

Namespace: [LibraryApi.Validators.Book](#)

Assembly: LibraryApi.dll

```
public class UpdateBookStockAmountRequestCollectionValidator :  
AbstractValidator<List<UpdateBookStockAmountRequest>>,  
IValidator<List<UpdateBookStockAmountRequest>>, IValidator,  
IEnumerable<IValidationRule>, IEnumerable
```

Inheritance

```
object ↩ ← AbstractValidator<List ↩ <UpdateBookStockAmountRequest>> ←  
UpdateBookStockAmountRequestCollectionValidator
```

Implements

```
IValidator<List ↩ <UpdateBookStockAmountRequest>>, IValidator,  
IEnumerable ↩ <IValidationRule>, IEnumerable
```

Inherited Members

```
AbstractValidator<List<UpdateBookStockAmountRequest>>.Validate(List<UpdateBookStockAmountRequest>),  
AbstractValidator<List<UpdateBookStockAmountRequest>>.ValidateAsync\(List<UpdateBookStockAmountRequest>, CancellationToken\),  
AbstractValidator<List<UpdateBookStockAmountRequest>>.Validate(ValidationContext<List<UpdateBookStockAmountRequest>>),  
AbstractValidator<List<UpdateBookStockAmountRequest>>.ValidateAsync\(ValidationContext<List<UpdateBookStockAmountRequest>>, CancellationToken\),  
AbstractValidator<List<UpdateBookStockAmountRequest>>.CreateDescriptor(),  
AbstractValidator<List<UpdateBookStockAmountRequest>>.RuleFor<TPROPERTY>\(Expression<Func<List<UpdateBookStockAmountRequest>, TPROPERTY>>\),  
AbstractValidator<List<UpdateBookStockAmountRequest>>.Transform<TPROPERTY, TTransformed>\(Expression<Func<List<UpdateBookStockAmountRequest>, TPROPERTY>>, Func<TPROPERTY, TTransformed>\),  
AbstractValidator<List<UpdateBookStockAmountRequest>>.Transform<TPROPERTY, TTransformed>\(Expression<Func<List<UpdateBookStockAmountRequest>, TPROPERTY>>, Func<List<UpdateBookStockAmountRequest>, TPROPERTY, TTransformed>\),
```

```
AbstractValidator<List<UpdateBookStockAmountRequest>>.RuleForEach<TElement>(Expression<Func<List<UpdateBookStockAmountRequest>, IEnumerable<TElement>>>),
    ,
AbstractValidator<List<UpdateBookStockAmountRequest>>.TransformForEach<TElement, TTransformed>(Expression<Func<List<UpdateBookStockAmountRequest>, IEnumerable<TElement>>>, Func<TElement, TTransformed>) ,
AbstractValidator<List<UpdateBookStockAmountRequest>>.TransformForEach<TElement, TTransformed>(Expression<Func<List<UpdateBookStockAmountRequest>, IEnumerable<TElement>>>, Func<List<UpdateBookStockAmountRequest>, TElement, TTransformed>) ,
AbstractValidator<List<UpdateBookStockAmountRequest>>.RuleSet(string, Action) ,
AbstractValidator<List<UpdateBookStockAmountRequest>>.When(Func<List<UpdateBook StockAmountRequest>, bool, Action) ,
AbstractValidator<List<UpdateBookStockAmountRequest>>.When(Func<List<UpdateBook StockAmountRequest>, ValidationContext<List<UpdateBookStockAmountRequest>>, bool, Action) ,
AbstractValidator<List<UpdateBookStockAmountRequest>>.Unless(Func<List<UpdateBoo kStockAmountRequest>, bool, Action) ,
AbstractValidator<List<UpdateBookStockAmountRequest>>.Unless(Func<List<UpdateBoo kStockAmountRequest>, ValidationContext<List<UpdateBookStockAmountRequest>>, bool, Action) ,
AbstractValidator<List<UpdateBookStockAmountRequest>>.WhenAsync(Func<List<Updat eBookStockAmountRequest>, CancellationToken, Task<bool>>, Action) ,
AbstractValidator<List<UpdateBookStockAmountRequest>>.WhenAsync(Func<List<Updat eBookStockAmountRequest>,
ValidationContext<List<UpdateBookStockAmountRequest>>, CancellationToken, Task<bool>>, Action) ,
AbstractValidator<List<UpdateBookStockAmountRequest>>.UnlessAsync(Func<List<Upda teBookStockAmountRequest>, CancellationToken, Task<bool>>, Action) ,
AbstractValidator<List<UpdateBookStockAmountRequest>>.UnlessAsync(Func<List<Upda teBookStockAmountRequest>,
ValidationContext<List<UpdateBookStockAmountRequest>>, CancellationToken, Task<bool>>, Action) ,
AbstractValidator<List<UpdateBookStockAmountRequest>>.Include(IValidator<List<Updat eBookStockAmountRequest>>),
AbstractValidator<List<UpdateBookStockAmountRequest>>.Include<TValidator>(Func<List<UpdateBookStockAmountRequest>, TValidator>) ,
AbstractValidator<List<UpdateBookStockAmountRequest>>.GetEnumerator() ,
AbstractValidator<List<UpdateBookStockAmountRequest>>.EnsureInstanceNotNull(object)
    ,
```

```
AbstractValidator<List<UpdateBookStockAmountRequest>>.PreValidate(ValidationContext  
<List<UpdateBookStockAmountRequest>>, ValidationResult) ,  
AbstractValidator<List<UpdateBookStockAmountRequest>>.RaiseValidationException(Vali  
dationContext<List<UpdateBookStockAmountRequest>>, ValidationResult) ,  
AbstractValidator<List<UpdateBookStockAmountRequest>>.CascadeMode ,  
AbstractValidator<List<UpdateBookStockAmountRequest>>.ClassLevelCascadeMode ,  
AbstractValidator<List<UpdateBookStockAmountRequest>>.RuleLevelCascadeMode ,  
object.Equals\(object\) , object.Equals\(object, object\) , object.GetHashCode\(\) ,  
object.GetType\(\) , object.MemberwiseClone\(\) , object.ReferenceEquals\(object, object\) ,  
object.ToString\(\)
```

Constructors

UpdateBookStockAmountRequestCollectionValidator()

```
public UpdateBookStockAmountRequestCollectionValidator()
```

Class UpdateBookStockAmountRequestValidator

Namespace: [LibraryApi.Validators.Book](#)

Assembly: LibraryApi.dll

```
public class UpdateBookStockAmountRequestValidator
: AbstractValidator<UpdateBookStockAmountRequest>,
IValidator<UpdateBookStockAmountRequest>, IValidator, IEnumerable<IValidationRule>,
IEnumerable
```

Inheritance

```
object ↳ AbstractValidator<UpdateBookStockAmountRequest> ↳
UpdateBookStockAmountRequestValidator
```

Implements

```
IValidator<UpdateBookStockAmountRequest>, IValidator, IEnumerable<IValidationRule>,
IEnumerable
```

Inherited Members

```
AbstractValidator<UpdateBookStockAmountRequest>.Validate(UpdateBookStockAmountRequest) ,
```

```
AbstractValidator<UpdateBookStockAmountRequest>.ValidateAsync\(UpdateBookStockAmountRequest, CancellationToken\) ,
```

```
AbstractValidator<UpdateBookStockAmountRequest>.Validate(ValidationContext<UpdateBookStockAmountRequest>) ,
```

```
AbstractValidator<UpdateBookStockAmountRequest>.ValidateAsync\(ValidationContext<UpdateBookStockAmountRequest>, CancellationToken\) ,
```

```
AbstractValidator<UpdateBookStockAmountRequest>.CreateDescriptor() ,
```

```
AbstractValidator<UpdateBookStockAmountRequest>.RuleFor<TProperty>\(Expression<Func<UpdateBookStockAmountRequest, TProperty>>\) ,
```

```
AbstractValidator<UpdateBookStockAmountRequest>.Transform<TProperty, TTransformed>\(Expression<Func<UpdateBookStockAmountRequest, TProperty>>, Func<TProperty, TTransformed>\) ,
```

```
AbstractValidator<UpdateBookStockAmountRequest>.Transform<TProperty, TTransformed>\(Expression<Func<UpdateBookStockAmountRequest, TProperty>>, Func<UpdateBookStockAmountRequest, TProperty, TTransformed>\) ,
```

```
AbstractValidator<UpdateBookStockAmountRequest>.RuleForEach<TElement>\(Expression<Func<UpdateBookStockAmountRequest, IEnumerable<TElement>>\) ,
```

```
AbstractValidator<UpdateBookStockAmountRequest>.TransformForEach<TElement,
TTransformed>(Expression<Func<UpdateBookStockAmountRequest,
IEnumerable<TElement>>>, Func<TElement, TTransformed>) ,
AbstractValidator<UpdateBookStockAmountRequest>.TransformForEach<TElement,
TTransformed>(Expression<Func<UpdateBookStockAmountRequest,
IEnumerable<TElement>>>, Func<UpdateBookStockAmountRequest, TElement,
TTransformed>) ,
AbstractValidator<UpdateBookStockAmountRequest>.RuleSet(string, Action) ,
AbstractValidator<UpdateBookStockAmountRequest>.When(Func<UpdateBookStockAmou
ntRequest, bool>, Action) ,
AbstractValidator<UpdateBookStockAmountRequest>.When(Func<UpdateBookStockAmou
ntRequest, ValidationContext<UpdateBookStockAmountRequest>, bool>, Action) ,
AbstractValidator<UpdateBookStockAmountRequest>.Unless(Func<UpdateBookStockAmou
ntRequest, bool>, Action) ,
AbstractValidator<UpdateBookStockAmountRequest>.Unless(Func<UpdateBookStockAmou
ntRequest, ValidationContext<UpdateBookStockAmountRequest>, bool>, Action) ,
AbstractValidator<UpdateBookStockAmountRequest>.WhenAsync(Func<UpdateBookStock
AmountRequest, CancellationToken, Task<bool>>, Action) ,
AbstractValidator<UpdateBookStockAmountRequest>.WhenAsync(Func<UpdateBookStock
AmountRequest, ValidationContext<UpdateBookStockAmountRequest>, CancellationToken,
Task<bool>>, Action) ,
AbstractValidator<UpdateBookStockAmountRequest>.UnlessAsync(Func<UpdateBookStock
AmountRequest, CancellationToken, Task<bool>>, Action) ,
AbstractValidator<UpdateBookStockAmountRequest>.UnlessAsync(Func<UpdateBookStock
AmountRequest, ValidationContext<UpdateBookStockAmountRequest>, CancellationToken,
Task<bool>>, Action) ,
AbstractValidator<UpdateBookStockAmountRequest>.Include(IValidator<UpdateBookStock
AmountRequest>) ,
AbstractValidator<UpdateBookStockAmountRequest>.Include<TValidator>
(Func<UpdateBookStockAmountRequest, TValidator>) ,
AbstractValidator<UpdateBookStockAmountRequest>.GetEnumerator() ,
AbstractValidator<UpdateBookStockAmountRequest>.EnsureInstanceNotNull(object) ,
AbstractValidator<UpdateBookStockAmountRequest>.PreValidate(ValidationContext<Updat
eBookStockAmountRequest>, ValidationResult) ,
AbstractValidator<UpdateBookStockAmountRequest>.RaiseValidationException(ValidationC
ontext<UpdateBookStockAmountRequest>, ValidationResult) ,
AbstractValidator<UpdateBookStockAmountRequest>.CascadeMode ,
AbstractValidator<UpdateBookStockAmountRequest>.ClassLevelCascadeMode ,
AbstractValidator<UpdateBookStockAmountRequest>.RuleLevelCascadeMode ,
object.Equals(object) , object.Equals(object, object) , object.GetHashCode() ,
```

[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Constructors

UpdateBookStockAmountRequestValidator()

```
public UpdateBookStockAmountRequestValidator()
```

Namespace LibraryApi.Validators.Genre Classes

[CreateGenreRequestValidator](#)

[UpdateGenreRequestValidator](#)

Class CreateGenreRequestValidator

Namespace: [LibraryApi.Validators.Genre](#)

Assembly: LibraryApi.dll

```
public class CreateGenreRequestValidator : AbstractValidator<CreateGenreRequest>,  
IValidator<CreateGenreRequest>, IValidator, IEnumerable<IValidationRule>,  
IEnumerable
```

Inheritance

[object](#) ← AbstractValidator<[CreateGenreRequest](#)> ← CreateGenreRequestValidator

Implements

IValidator<[CreateGenreRequest](#)>, IValidator, [IEnumerable](#)<IValidationRule>,
[IEnumerable](#)

Inherited Members

AbstractValidator<CreateGenreRequest>.Validate(CreateGenreRequest) ,
[AbstractValidator<CreateGenreRequest>.ValidateAsync\(CreateGenreRequest, CancellationToken\)](#) ,
AbstractValidator<CreateGenreRequest>.Validate(ValidationContext<CreateGenreRequest>) ,
[AbstractValidator<CreateGenreRequest>.ValidateAsync\(ValidationContext<CreateGenreRequest>, CancellationToken\)](#) ,
AbstractValidator<CreateGenreRequest>.CreateDescriptor() ,
[AbstractValidator<CreateGenreRequest>.RuleFor<TPROPERTY>\(Expression<Func<CreateGenreRequest, TPROPERTY>>\)](#) ,
[AbstractValidator<CreateGenreRequest>.Transform<TPROPERTY, TTTRANSFORMED>\(Expression<Func<CreateGenreRequest, TPROPERTY>>, Func<TPROPERTY, TTTRANSFORMED>\)](#) ,
[AbstractValidator<CreateGenreRequest>.Transform<TPROPERTY, TTTRANSFORMED>\(Expression<Func<CreateGenreRequest, TPROPERTY>>, Func<CreateGenreRequest, TPROPERTY, TTTRANSFORMED>\)](#) ,
[AbstractValidator<CreateGenreRequest>.RuleForEach<TELEMENT>\(Expression<Func<CreateGenreRequest, IEnumerable<TELEMENT>>>\)](#) ,
[AbstractValidator<CreateGenreRequest>.TransformForEach<TELEMENT, TTTRANSFORMED>\(Expression<Func<CreateGenreRequest, IEnumerable<TELEMENT>>>, Func<TELEMENT, TTTRANSFORMED>\)](#) ,

```
AbstractValidator<CreateGenreRequest>.TransformForEach<TElement, TTransformed>\(Expression<Func<CreateGenreRequest, IEnumerable<TElement>>>, Func<CreateGenreRequest, TElement, TTransformed>\) ,
AbstractValidator<CreateGenreRequest>.RuleSet\(string, Action\) ,
AbstractValidator<CreateGenreRequest>.When\(Func<CreateGenreRequest, bool>, Action\)
2 ,
AbstractValidator<CreateGenreRequest>.When\(Func<CreateGenreRequest, ValidationContext<CreateGenreRequest>, bool>, Action\) ,
AbstractValidator<CreateGenreRequest>.Unless\(Func<CreateGenreRequest, bool>, Action\)
2 ,
AbstractValidator<CreateGenreRequest>.Unless\(Func<CreateGenreRequest, ValidationContext<CreateGenreRequest>, bool>, Action\) ,
AbstractValidator<CreateGenreRequest>.WhenAsync\(Func<CreateGenreRequest, CancellationToken, Task<bool>>, Action\) ,
AbstractValidator<CreateGenreRequest>.WhenAsync\(Func<CreateGenreRequest, ValidationContext<CreateGenreRequest>, CancellationToken, Task<bool>>, Action\) ,
AbstractValidator<CreateGenreRequest>.UnlessAsync\(Func<CreateGenreRequest, CancellationToken, Task<bool>>, Action\)
2 ,
AbstractValidator<CreateGenreRequest>.UnlessAsync\(Func<CreateGenreRequest, ValidationContext<CreateGenreRequest>, CancellationToken, Task<bool>>, Action\) ,
AbstractValidator<CreateGenreRequest>.Include(IValidator<CreateGenreRequest>) ,
AbstractValidator<CreateGenreRequest>.Include<TValidator>\(Func<CreateGenreRequest, TValidator>\)
2 ,
AbstractValidator<CreateGenreRequest>.GetEnumerator() ,
AbstractValidator<CreateGenreRequest>.EnsureInstanceNotNull\(object\)
2 ,
AbstractValidator<CreateGenreRequest>.PreValidate(ValidationContext<CreateGenreRequest>, ValidationResult) ,
AbstractValidator<CreateGenreRequest>.RaiseValidationException(ValidationContext<CreateGenreRequest>, ValidationResult) ,
AbstractValidator<CreateGenreRequest>.CascadeMode ,
AbstractValidator<CreateGenreRequest>.ClassLevelCascadeMode ,
AbstractValidator<CreateGenreRequest>.RuleLevelCascadeMode , object.Equals\(object\)
2 , object.Equals\(object, object\)
2 , object.GetHashCode\(\)
2 , object.GetType\(\)
2 , object.MemberwiseClone\(\)
2 , object.ReferenceEquals\(object, object\)
2 , object.ToString\(\)
2
```

Constructors

CreateGenreRequestValidator()

```
public CreateGenreRequestValidator()
```

Class UpdateGenreRequestValidator

Namespace: [LibraryApi.Validators.Genre](#)

Assembly: LibraryApi.dll

```
public class UpdateGenreRequestValidator : AbstractValidator<UpdateGenreRequest>,  
IValidator<UpdateGenreRequest>, IValidator, IEnumerable<IValidationRule>,  
IEnumerable
```

Inheritance

[object](#) ← AbstractValidator<[UpdateGenreRequest](#)> ← UpdateGenreRequestValidator

Implements

IValidator<[UpdateGenreRequest](#)>, IValidator, [IEnumerable](#)<IValidationRule>,
[IEnumerable](#)

Inherited Members

AbstractValidator<UpdateGenreRequest>.Validate(UpdateGenreRequest) ,
[AbstractValidator<UpdateGenreRequest>.ValidateAsync\(UpdateGenreRequest, CancellationToken\)](#) ,
AbstractValidator<UpdateGenreRequest>.Validate(ValidationContext<UpdateGenreRequest>) ,
[AbstractValidator<UpdateGenreRequest>.ValidateAsync\(ValidationContext<UpdateGenreRequest>, CancellationToken\)](#) ,
AbstractValidator<UpdateGenreRequest>.CreateDescriptor() ,
[AbstractValidator<UpdateGenreRequest>.RuleFor<TPROPERTY>\(Expression<Func<UpdateGenreRequest, TPROPERTY>>\)](#) ,
[AbstractValidator<UpdateGenreRequest>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<UpdateGenreRequest, TPROPERTY>>, Func<TPROPERTY, TTRANSFORMED>\)](#) ,

[AbstractValidator<UpdateGenreRequest>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<UpdateGenreRequest, TPROPERTY>>, Func<UpdateGenreRequest, TPROPERTY, TTRANSFORMED>\)](#) ,
[AbstractValidator<UpdateGenreRequest>.RuleForEach<TELEMENT>\(Expression<Func<UpdateGenreRequest, IEnumerable<TELEMENT>>>\)](#) ,
[AbstractValidator<UpdateGenreRequest>.TransformForEach<TELEMENT, TTRANSFORMED>\(Expression<Func<UpdateGenreRequest, IEnumerable<TELEMENT>>>, Func<TELEMENT, TTRANSFORMED>\)](#) ,

```
AbstractValidator<UpdateGenreRequest>.TransformForEach<TElement, TTransformed>()
(Expression<Func<UpdateGenreRequest, IEnumerable<TElement>>>,
Func<UpdateGenreRequest, TElement, TTransformed>) ,
AbstractValidator<UpdateGenreRequest>.RuleSet(string, Action) ,
AbstractValidator<UpdateGenreRequest>.When(Func<UpdateGenreRequest, bool>,
Action) ,
AbstractValidator<UpdateGenreRequest>.When(Func<UpdateGenreRequest,
ValidationContext<UpdateGenreRequest>, bool>, Action) ,
AbstractValidator<UpdateGenreRequest>.Unless(Func<UpdateGenreRequest, bool>,
Action) ,
AbstractValidator<UpdateGenreRequest>.Unless(Func<UpdateGenreRequest,
ValidationContext<UpdateGenreRequest>, bool>, Action) ,
AbstractValidator<UpdateGenreRequest>.WhenAsync(Func<UpdateGenreRequest,
CancellationToken, Task<bool>>, Action) ,
AbstractValidator<UpdateGenreRequest>.WhenAsync(Func<UpdateGenreRequest,
ValidationContext<UpdateGenreRequest>, CancellationToken, Task<bool>>, Action) ,
AbstractValidator<UpdateGenreRequest>.UnlessAsync(Func<UpdateGenreRequest,
CancellationToken, Task<bool>>, Action) ,
AbstractValidator<UpdateGenreRequest>.UnlessAsync(Func<UpdateGenreRequest,
ValidationContext<UpdateGenreRequest>, CancellationToken, Task<bool>>, Action) ,
AbstractValidator<UpdateGenreRequest>.Include(IValidator<UpdateGenreRequest>),
AbstractValidator<UpdateGenreRequest>.Include<TValidator>
(Func<UpdateGenreRequest, TValidator>) ,
AbstractValidator<UpdateGenreRequest>.GetEnumerator() ,
AbstractValidator<UpdateGenreRequest>.EnsureInstanceNotNull(object) ,
AbstractValidator<UpdateGenreRequest>.PreValidate(ValidationContext<UpdateGenreRequest>, ValidationResult) ,
AbstractValidator<UpdateGenreRequest>.RaiseValidationException(ValidationContext<UpdateGenreRequest>, ValidationResult) ,
AbstractValidator<UpdateGenreRequest>.CascadeMode ,
AbstractValidator<UpdateGenreRequest>.ClassLevelCascadeMode ,
AbstractValidator<UpdateGenreRequest>.RuleLevelCascadeMode , object.Equals(object) ,
object.Equals(object, object) , object.GetHashCode() , object.GetType() ,
object.MemberwiseClone() , object.ReferenceEquals(object, object) , object.ToString()
```

Constructors

UpdateGenreRequestValidator()

```
public UpdateGenreRequestValidator()
```

Namespace LibraryApi.Validators.Publisher Classes

[CreatePublisherRequestValidator](#)

[UpdatePublisherRequestValidator](#)

Class CreatePublisherRequestValidator

Namespace: [LibraryApi.Validators.Publisher](#)

Assembly: LibraryApi.dll

```
public class CreatePublisherRequestValidator :  
AbstractValidator<CreatePublisherRequest>, IValidator<CreatePublisherRequest>,  
IValidator, IEnumerable<IValidationRule>, IEnumerable
```

Inheritance

[object](#) ↳ AbstractValidator<[CreatePublisherRequest](#)> ↳ CreatePublisherRequestValidator

Implements

IValidator<[CreatePublisherRequest](#)>, IValidator, [IEnumerable](#)<IValidationRule>,
[IEnumerable](#)

Inherited Members

AbstractValidator<CreatePublisherRequest>.Validate(CreatePublisherRequest) ,
[AbstractValidator<CreatePublisherRequest>.ValidateAsync\(CreatePublisherRequest, CancellationToken\)](#) ,
AbstractValidator<CreatePublisherRequest>.Validate(ValidationContext<CreatePublisherRequest>) ,
[AbstractValidator<CreatePublisherRequest>.ValidateAsync\(ValidationContext<CreatePublisherRequest>, CancellationToken\)](#) ,
AbstractValidator<CreatePublisherRequest>.CreateDescriptor() ,
[AbstractValidator<CreatePublisherRequest>.RuleFor<TPROPERTY>\(Expression<Func<CreatePublisherRequest, TPROPERTY>>\)](#) ,
[AbstractValidator<CreatePublisherRequest>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<CreatePublisherRequest, TPROPERTY>>, Func<TPROPERTY, TTRANSFORMED>\)](#) ,
[AbstractValidator<CreatePublisherRequest>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<CreatePublisherRequest, TPROPERTY>>, Func<CreatePublisherRequest, TPROPERTY, TTRANSFORMED>\)](#) ,
[AbstractValidator<CreatePublisherRequest>.RuleForEach<TELEMENT>\(Expression<Func<CreatePublisherRequest, IEnumerable<TELEMENT>>\)](#) ,
[AbstractValidator<CreatePublisherRequest>.TransformForEach<TELEMENT, TTRANSFORMED>\(Expression<Func<CreatePublisherRequest, IEnumerable<TELEMENT>>, Func<TELEMENT, TTRANSFORMED>\)](#) ,

[AbstractValidator<CreatePublisherRequest>.TransformForEach<TElement, TTransformed>\(Expression<Func<CreatePublisherRequest, IEnumerable<TElement>>\),](#)
[Func<CreatePublisherRequest, TElement, TTransformed>\)](#) ,
[AbstractValidator<CreatePublisherRequest>.RuleSet\(string, Action\)](#) ,
[AbstractValidator<CreatePublisherRequest>.When\(Func<CreatePublisherRequest, bool>, Action\)](#) ,
[AbstractValidator<CreatePublisherRequest>.When\(Func<CreatePublisherRequest, ValidationContext<CreatePublisherRequest>, bool>, Action\)](#) ,
[AbstractValidator<CreatePublisherRequest>.Unless\(Func<CreatePublisherRequest, bool>, Action\)](#) ,
[AbstractValidator<CreatePublisherRequest>.Unless\(Func<CreatePublisherRequest, ValidationContext<CreatePublisherRequest>, bool>, Action\)](#) ,
[AbstractValidator<CreatePublisherRequest>.WhenAsync\(Func<CreatePublisherRequest, CancellationToken, Task<bool>>, Action\)](#) ,
[AbstractValidator<CreatePublisherRequest>.WhenAsync\(Func<CreatePublisherRequest, ValidationContext<CreatePublisherRequest>, CancellationToken, Task<bool>>, Action\)](#) ,
[AbstractValidator<CreatePublisherRequest>.UnlessAsync\(Func<CreatePublisherRequest, CancellationToken, Task<bool>>, Action\)](#) ,
[AbstractValidator<CreatePublisherRequest>.UnlessAsync\(Func<CreatePublisherRequest, ValidationContext<CreatePublisherRequest>, CancellationToken, Task<bool>>, Action\)](#) ,
[AbstractValidator<CreatePublisherRequest>.Include\(IValidator<CreatePublisherRequest>\)](#) ,
[AbstractValidator<CreatePublisherRequest>.Include<TValidator>\(Func<CreatePublisherRequest, TValidator>\)](#) ,
[AbstractValidator<CreatePublisherRequest>.GetEnumerator\(\)](#) ,
[AbstractValidator<CreatePublisherRequest>.EnsureInstanceNotNull\(object\)](#) ,
[AbstractValidator<CreatePublisherRequest>.PreValidate\(ValidationContext<CreatePublisherRequest>, ValidationResult\)](#) ,
[AbstractValidator<CreatePublisherRequest>.RaiseValidationException\(ValidationContext<CreatePublisherRequest>, ValidationResult\)](#) ,
[AbstractValidator<CreatePublisherRequest>.CascadeMode](#) ,
[AbstractValidator<CreatePublisherRequest>.ClassLevelCascadeMode](#) ,
[AbstractValidator<CreatePublisherRequest>.RuleLevelCascadeMode](#) ,
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

CreatePublisherRequestValidator()

```
public CreatePublisherRequestValidator()
```

Class UpdatePublisherRequestValidator

Namespace: [LibraryApi.Validators.Publisher](#)

Assembly: LibraryApi.dll

```
public class UpdatePublisherRequestValidator :  
AbstractValidator<UpdatePublisherRequest>, IValidator<UpdatePublisherRequest>,  
IValidator, IEnumerable<IValidationRule>, IEnumerable
```

Inheritance

[object](#) ← AbstractValidator<[UpdatePublisherRequest](#)> ← UpdatePublisherRequestValidator

Implements

IValidator<[UpdatePublisherRequest](#)>, IValidator, [IEnumerable](#)<IValidationRule>,
[IEnumerable](#)

Inherited Members

AbstractValidator<UpdatePublisherRequest>.Validate(UpdatePublisherRequest) ,
[AbstractValidator<UpdatePublisherRequest>.ValidateAsync\(UpdatePublisherRequest, CancellationToken\)](#) ,
AbstractValidator<UpdatePublisherRequest>.Validate(ValidationContext<UpdatePublisherRequest>) ,
[AbstractValidator<UpdatePublisherRequest>.ValidateAsync\(ValidationContext<UpdatePublisherRequest>, CancellationToken\)](#) ,
AbstractValidator<UpdatePublisherRequest>.CreateDescriptor() ,
[AbstractValidator<UpdatePublisherRequest>.RuleFor<TPROPERTY>\(Expression<Func<UpdatePublisherRequest, TPROPERTY>>\)](#) ,
[AbstractValidator<UpdatePublisherRequest>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<UpdatePublisherRequest, TPROPERTY>>, Func<TPROPERTY, TTRANSFORMED>\)](#) ,
[AbstractValidator<UpdatePublisherRequest>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<UpdatePublisherRequest, TPROPERTY>>, Func<UpdatePublisherRequest, TPROPERTY, TTRANSFORMED>\)](#) ,
[AbstractValidator<UpdatePublisherRequest>.RuleForEach<TELEMENT>\(Expression<Func<UpdatePublisherRequest, IEnumerable<TELEMENT>>\)](#) ,
[AbstractValidator<UpdatePublisherRequest>.TransformForEach<TELEMENT, TTRANSFORMED>\(Expression<Func<UpdatePublisherRequest, IEnumerable<TELEMENT>>, Func<TELEMENT, TTRANSFORMED>\)](#) ,

```
AbstractValidator<UpdatePublisherRequest>.TransformForEach<TElement, TTransformed>\(Expression<Func<UpdatePublisherRequest, IEnumerable<TElement>>>, Func<UpdatePublisherRequest, TElement, TTransformed>\),  
AbstractValidator<UpdatePublisherRequest>.RuleSet\\(string, Action\\),  
AbstractValidator<UpdatePublisherRequest>.When\\\(Func<UpdatePublisherRequest, bool>, Action\\\),  
AbstractValidator<UpdatePublisherRequest>.When\\\\(Func<UpdatePublisherRequest, ValidationContext<UpdatePublisherRequest>, bool>, Action\\\\),  
AbstractValidator<UpdatePublisherRequest>.Unless\\\\\(Func<UpdatePublisherRequest, bool>, Action\\\\\),  
AbstractValidator<UpdatePublisherRequest>.Unless\\\\\\(Func<UpdatePublisherRequest, ValidationContext<UpdatePublisherRequest>, bool>, Action\\\\\\),  
AbstractValidator<UpdatePublisherRequest>.WhenAsync\\\\\\\(Func<UpdatePublisherRequest, CancellationToken, Task<bool>>, Action\\\\\\\),  
AbstractValidator<UpdatePublisherRequest>.WhenAsync\\\\\\\\(Func<UpdatePublisherRequest, ValidationContext<UpdatePublisherRequest>, CancellationToken, Task<bool>>, Action\\\\\\\\),  
AbstractValidator<UpdatePublisherRequest>.UnlessAsync\\\\\\\\\(Func<UpdatePublisherRequest, CancellationToken, Task<bool>>, Action\\\\\\\\\),  
AbstractValidator<UpdatePublisherRequest>.UnlessAsync\\\\\\\\\\(Func<UpdatePublisherRequest, ValidationContext<UpdatePublisherRequest>, CancellationToken, Task<bool>>, Action\\\\\\\\\\),  
AbstractValidator<UpdatePublisherRequest>.Include\\\\\\\\\\(IValidator<UpdatePublisherRequest>\\\\\\\\\\),  
AbstractValidator<UpdatePublisherRequest>.Include<TValidator>\\\\\\\\\\\(Func<UpdatePublisherRequest, TValidator>\\\\\\\\\\\),  
AbstractValidator<UpdatePublisherRequest>.GetEnumerator\\\\\\\\\\\(\\\\\\\\\\\),  
AbstractValidator<UpdatePublisherRequest>.EnsureInstanceNotNull\\\\\\\\\\\\(object\\\\\\\\\\\\),  
AbstractValidator<UpdatePublisherRequest>.PreValidate\\\\\\\\\\\\(ValidationContext<UpdatePublisherRequest>, ValidationResult\\\\\\\\\\\\),  
AbstractValidator<UpdatePublisherRequest>.RaiseValidationException\\\\\\\\\\\\(ValidationContext<UpdatePublisherRequest>, ValidationResult\\\\\\\\\\\\),  
AbstractValidator<UpdatePublisherRequest>.CascadeMode,  
AbstractValidator<UpdatePublisherRequest>.ClassLevelCascadeMode,  
AbstractValidator<UpdatePublisherRequest>.RuleLevelCascadeMode,  
object.Equals\\\\\\\\\\\\\(object\\\\\\\\\\\\\), object.Equals\\\\\\\\\\\\\\(object, object\\\\\\\\\\\\\\), object.GetHashCode\\\\\\\\\\\\\\\(\\\\\\\\\\\\\\\),  
object.GetType\\\\\\\\\\\\\\\\(\\\\\\\\\\\\\\\\), object.MemberwiseClone\\\\\\\\\\\\\\\\\(\\\\\\\\\\\\\\\\\), object.ReferenceEquals\\\\\\\\\\\\\\\\\\(object, object\\\\\\\\\\\\\\\\\\),  
object.ToString\\\\\\\\\\\\\\\\\\\(\\\\\\\\\\\\\\\\\\\)
```

Constructors

UpdatePublisherRequestValidator()

```
public UpdatePublisherRequestValidator()
```

Namespace LibraryShopEntities.Data Classes

[LibraryDbContext](#)

[ShopDbContext](#)

Class LibraryDbContext

Namespace: [LibraryShopEntities.Data](#)

Assembly: LibraryShopEntities.dll

```
public class LibraryDbContext : DbContext, IInfrastructure<IServiceProvider>,  
IDbContextDependencies, IDbSetCache, IDbContextPoolable, IResettableService,  
IDisposable, IAsyncDisposable
```

Inheritance

[object](#) ← [DbContext](#) ← LibraryDbContext

Implements

[IInfrastructure](#)<[IServiceProvider](#)>, [IDbContextDependencies](#), [IDbSetCache](#),
[IDbContextPoolable](#), [IResettableService](#), [IDisposable](#), [IAsyncDisposable](#)

Inherited Members

[DbContext.Set< TEntity >\(\)](#) , [DbContext.Set< TEntity >\(string\)](#) ,
[DbContext.OnConfiguring\(DbContextOptionsBuilder\)](#) ,
[DbContext.ConfigureConventions\(ModelConfigurationBuilder\)](#) ,
[DbContext.SaveChanges\(\)](#) , [DbContext.SaveChanges\(bool\)](#) ,
[DbContext.SaveChangesAsync\(CancellationToken\)](#) ,
[DbContext.SaveChangesAsync\(bool, CancellationToken\)](#) , [DbContext.Dispose\(\)](#) ,
[DbContext.DisposeAsync\(\)](#) , [DbContext.Entry< TEntity >\(TEntity\)](#) ,
[DbContext.Entry\(object\)](#) , [DbContext.Add< TEntity >\(TEntity\)](#) ,
[DbContext.AddAsync< TEntity >\(TEntity, CancellationToken\)](#) ,
[DbContext.Attach< TEntity >\(TEntity\)](#) , [DbContext.Update< TEntity >\(TEntity\)](#) ,
[DbContext.Remove< TEntity >\(TEntity\)](#) , [DbContext.Add\(object\)](#) ,
[DbContext.AddAsync\(object, CancellationToken\)](#) , [DbContext.Attach\(object\)](#) ,
[DbContext.Update\(object\)](#) , [DbContext.Remove\(object\)](#) ,
[DbContext.AddRange\(params object\[\]\)](#) , [DbContext.AddRangeAsync\(params object\[\]\)](#) ,
[DbContext.AttachRange\(params object\[\]\)](#) , [DbContext.UpdateRange\(params object\[\]\)](#) ,
[DbContext.RemoveRange\(params object\[\]\)](#) ,
[DbContext.AddRange\(IEnumerable< object >\)](#) ,
[DbContext.AddRangeAsync\(IEnumerable< object >, CancellationToken\)](#) ,
[DbContext.AttachRange\(IEnumerable< object >\)](#) ,
[DbContext.UpdateRange\(IEnumerable< object >\)](#) ,
[DbContext.RemoveRange\(IEnumerable< object >\)](#) ,
[DbContext.Find\(Type, params object\[\]\)](#) , [DbContext.FindAsync\(Type, params object\[\]\)](#) ,

[DbContext.FindAsync\(Type, object\[\], CancellationToken\)](#) ,
[DbContext.Find< TEntity >\(params object\[\]\)](#) ,
[DbContext.FindAsync< TEntity >\(params object\[\]\)](#) ,
[DbContext.FindAsync< TEntity >\(object\[\], CancellationToken\)](#) ,
[DbContext.FromExpression< TResult >\(Expression< Func< IQueryables< TResult >> \)](#) ,
[DbContext.Database](#) , [DbContext.ChangeTracker](#) , [DbContext.Model](#) ,
[DbContext.ContextId](#) , [DbContext.SavingChanges](#) , [DbContext.SavedChanges](#) ,
[DbContext.SaveChangesFailed](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,
[object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) ,
[object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Constructors

LibraryDbContext(DbContextOptions)

```
public LibraryDbContext(DbContextOptions options)
```

Parameters

options [DbContextOptions](#)

Properties

Authors

```
public virtual DbSet<Author> Authors { get; set; }
```

Property Value

[DbSet](#)<[Author](#)>

BookPopularities

```
public virtual DbSet<BookPopularity> BookPopularities { get; set; }
```

Property Value

[DbSet](#)<[BookPopularity](#)>

Books

```
public virtual DbSet<Book> Books { get; set; }
```

Property Value

[DbSet](#)<[Book](#)>

Genres

```
public virtual DbSet<Genre> Genres { get; set; }
```

Property Value

[DbSet](#)<[Genre](#)>

Publishers

```
public virtual DbSet<Publisher> Publishers { get; set; }
```

Property Value

[DbSet](#)<[Publisher](#)>

Methods

OnModelCreating(ModelBuilder)

Override this method to further configure the model that was discovered by convention from the entity types exposed in [DbSet< TEntity >](#) properties on your derived context. The

resulting model may be cached and re-used for subsequent instances of your derived context.

```
protected override void OnModelCreating(ModelBuilder modelBuilder)
```

Parameters

`modelBuilder` [ModelBuilder](#)

The builder being used to construct the model for this context. Databases (and other extensions) typically define extension methods on this object that allow you to configure aspects of the model that are specific to a given database.

Remarks

If a model is explicitly set on the options for this context (via [UseModel\(IModel\)](#)) then this method will not be run. However, it will still run when creating a compiled model.

See [Modeling entity types and relationships](#) for more information and examples.

Class ShopDbContext

Namespace: [LibraryShopEntities.Data](#)

Assembly: LibraryShopEntities.dll

```
public class ShopDbContext : DbContext, IInfrastructure<IServiceProvider>,  
IDbContextDependencies, IDbSetCache, IDbContextPoolable, IResettableService,  
IDisposable, IAsyncDisposable
```

Inheritance

[object](#) ← [DbContext](#) ← ShopDbContext

Implements

[IInfrastructure](#)<[IServiceProvider](#)>, [IDbContextDependencies](#), [IDbSetCache](#),
[IDbContextPoolable](#), [IResettableService](#), [IDisposable](#), [IAsyncDisposable](#)

Inherited Members

[DbContext.Set< TEntity >\(\)](#) , [DbContext.Set< TEntity >\(string\)](#) ,
[DbContext.OnConfiguring\(DbContextOptionsBuilder\)](#) ,
[DbContext.ConfigureConventions\(ModelConfigurationBuilder\)](#) ,
[DbContext.SaveChanges\(\)](#) , [DbContext.SaveChanges\(bool\)](#) ,
[DbContext.SaveChangesAsync\(bool, CancellationToken\)](#) , [DbContext.Dispose\(\)](#) ,
[DbContext.DisposeAsync\(\)](#) , [DbContext.Entry< TEntity >\(TEntity\)](#) ,
[DbContext.Entry\(object\)](#) , [DbContext.Add< TEntity >\(TEntity\)](#) ,
[DbContext.AddAsync< TEntity >\(TEntity, CancellationToken\)](#) ,
[DbContext.Attach< TEntity >\(TEntity\)](#) , [DbContext.Update< TEntity >\(TEntity\)](#) ,
[DbContext.Remove< TEntity >\(TEntity\)](#) , [DbContext.Add\(object\)](#) ,
[DbContext.AddAsync\(object, CancellationToken\)](#) , [DbContext.Attach\(object\)](#) ,
[DbContext.Update\(object\)](#) , [DbContext.Remove\(object\)](#) ,
[DbContext.AddRange\(params object\[\]\)](#) , [DbContext.AddRangeAsync\(params object\[\]\)](#) ,
[DbContext.AttachRange\(params object\[\]\)](#) , [DbContext.UpdateRange\(params object\[\]\)](#) ,
[DbContext.RemoveRange\(params object\[\]\)](#) ,
[DbContext.AddRange\(IEnumerable< object >\)](#) ,
[DbContext.AddRangeAsync\(IEnumerable< object >, CancellationToken\)](#) ,
[DbContext.AttachRange\(IEnumerable< object >\)](#) ,
[DbContext.UpdateRange\(IEnumerable< object >\)](#) ,
[DbContext.RemoveRange\(IEnumerable< object >\)](#) ,
[DbContext.Find\(Type, params object\[\]\)](#) , [DbContext.FindAsync\(Type, params object\[\]\)](#) ,
[DbContext.FindAsync\(Type, object\[\], CancellationToken\)](#) ,

[DbContext.Find< TEntity >\(params object\[\]\)](#) ,
[DbContext.FindAsync< TEntity >\(params object\[\]\)](#) ,
[DbContext.FindAsync< TEntity >\(object\[\], CancellationToken\)](#) ,
[DbContext.FromExpression< TResult >\(Expression< Func< IQueryables< TResult >> \)](#) ,
[DbContext.Database](#) , [DbContext.ChangeTracker](#) , [DbContext.Model](#) ,
[DbContext.ContextId](#) , [DbContext.SavingChanges](#) , [DbContext.SavedChanges](#) ,
[DbContext.SaveChangesFailed](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,
[object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) ,
[object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Constructors

ShopDbContext(DbContextOptions)

```
public ShopDbContext(DbContextOptions options)
```

Parameters

options [DbContextOptions](#)

Properties

CartBooks

```
public virtual DbSet<CartBook> CartBooks { get; set; }
```

Property Value

[DbSet](#)<[CartBook](#)>

Carts

```
public virtual DbSet<Cart> Carts { get; set; }
```

Property Value

[DbSet](#)<[Cart](#)>

Clients

```
public virtual DbSet<Client> Clients { get; set; }
```

Property Value

[DbSet](#)<[Client](#)>

OrderBooks

```
public virtual DbSet<OrderBook> OrderBooks { get; set; }
```

Property Value

[DbSet](#)<[OrderBook](#)>

Orders

```
public virtual DbSet<Order> Orders { get; set; }
```

Property Value

[DbSet](#)<[Order](#)>

StockBookChanges

```
public virtual DbSet<StockBookChange> StockBookChanges { get; set; }
```

Property Value

[DbSet](#)<[StockBookChange](#)>

StockBookOrders

```
public virtual DbSet<StockBookOrder> StockBookOrders { get; set; }
```

Property Value

[DbSet](#)<[StockBookOrder](#)>

Methods

OnModelCreating(ModelBuilder)

Override this method to further configure the model that was discovered by convention from the entity types exposed in [DbSet< TEntity >](#) properties on your derived context. The resulting model may be cached and re-used for subsequent instances of your derived context.

```
protected override void OnModelCreating(ModelBuilder modelBuilder)
```

Parameters

`modelBuilder` [ModelBuilder](#)

The builder being used to construct the model for this context. Databases (and other extensions) typically define extension methods on this object that allow you to configure aspects of the model that are specific to a given database.

Remarks

If a model is explicitly set on the options for this context (via [UseModel\(IModel\)](#)) then this method will not be run. However, it will still run when creating a compiled model.

See [Modeling entity types and relationships](#) for more information and examples.

SaveChangesAsync(CancellationToken)

Saves all changes made in this context to the database.

```
public override Task<int> SaveChangesAsync(CancellationToken cancellationToken = default)
```

Parameters

`cancellationToken` [CancellationToken](#)

A [CancellationToken](#) to observe while waiting for the task to complete.

Returns

[Task](#)<[int](#)>

A task that represents the asynchronous save operation. The task result contains the number of state entries written to the database.

Remarks

This method will automatically call [DetectChanges\(\)](#) to discover any changes to entity instances before saving to the underlying database. This can be disabled via [AutoDetectChangesEnabled](#).

Entity Framework Core does not support multiple parallel operations being run on the same `DbContext` instance. This includes both parallel execution of async queries and any explicit concurrent use from multiple threads. Therefore, always await async calls immediately, or use separate `DbContext` instances for operations that execute in parallel. See [Avoiding DbContext threading issues](#) for more information and examples.

See [Saving data in EF Core](#) for more information and examples.

Exceptions

[DbUpdateException](#)

An error is encountered while saving to the database.

[DbUpdateConcurrencyException](#)

A concurrency violation is encountered while saving to the database. A concurrency violation occurs when an unexpected number of rows are affected during save. This is usually because the data in the database has been modified since it was loaded into memory.

[OperationCanceledException](#)

If the [CancellationToken](#) is canceled.

Namespace LibraryShopEntities.Domain.Dtos.Library

Classes

[AuthorResponse](#)

[BookResponse](#)

[GenreResponse](#)

[PublisherResponse](#)

Class AuthorResponse

Namespace: [LibraryShopEntities.Domain.Dtos.Library](#)

Assembly: LibraryShopEntities.dll

```
public class AuthorResponse
```

Inheritance

[object](#) ← AuthorResponse

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

DateOfBirth

```
public DateTime DateOfBirth { get; set; }
```

Property Value

[DateTime](#)

Id

```
public int Id { get; set; }
```

Property Value

[int](#)

LastName

```
public string? LastName { get; set; }
```

Property Value

[string](#) ↗

Name

```
public string? Name { get; set; }
```

Property Value

[string](#) ↗

Class BookResponse

Namespace: [LibraryShopEntities.Domain.Dtos.Library](#)

Assembly: LibraryShopEntities.dll

```
public class BookResponse
```

Inheritance

[object](#) ← BookResponse

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

Author

```
public AuthorResponse? Author { get; set; }
```

Property Value

[AuthorResponse](#)

CoverImgUrl

```
public string? CoverImgUrl { get; set; }
```

Property Value

[string](#)

CoverType

```
public CoverType CoverType { get; set; }
```

Property Value

[CoverType](#)

Description

```
public string? Description { get; set; }
```

Property Value

[string](#)

Genre

```
public GenreResponse? Genre { get; set; }
```

Property Value

[GenreResponse](#)

Id

```
public int Id { get; set; }
```

Property Value

[int](#)

Name

```
public string? Name { get; set; }
```

Property Value

[string](#) ↗

PageAmount

```
public int PageAmount { get; set; }
```

Property Value

[int](#) ↗

Price

```
public decimal Price { get; set; }
```

Property Value

[decimal](#) ↗

PublicationDate

```
public DateTime PublicationDate { get; set; }
```

Property Value

[DateTime](#) ↗

Publisher

```
public PublisherResponse? Publisher { get; set; }
```

Property Value

[PublisherResponse](#)

StockAmount

```
public int StockAmount { get; set; }
```

Property Value

[int](#)

Class GenreResponse

Namespace: [LibraryShopEntities.Domain.Dtos.Library](#)

Assembly: LibraryShopEntities.dll

```
public class GenreResponse
```

Inheritance

[object](#) ← GenreResponse

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

Id

```
public int Id { get; set; }
```

Property Value

[int](#)

Name

```
public string? Name { get; set; }
```

Property Value

[string](#)

Class PublisherResponse

Namespace: [LibraryShopEntities.Domain.Dtos.Library](#)

Assembly: LibraryShopEntities.dll

```
public class PublisherResponse
```

Inheritance

[object](#) ← PublisherResponse

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

Id

```
public int Id { get; set; }
```

Property Value

[int](#)

Name

```
public string? Name { get; set; }
```

Property Value

[string](#)

Namespace LibraryShopEntities.Domain.Dtos.SharedRequests

Classes

[GetByIdsRequest](#)

[RaiseBookPopularityRequest](#)

[UpdateBookStockAmountRequest](#)

Class GetByIdsRequest

Namespace: [LibraryShopEntities.Domain.Dtos.SharedRequests](#)

Assembly: LibraryShopEntities.dll

```
public class GetByIdsRequest
```

Inheritance

[object](#) ← GetByIdsRequest

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#)

Properties

Ids

```
public List<int> Ids { get; set; }
```

Property Value

[List](#)<[int](#)>

Methods

ToString()

Returns a string that represents the current object.

```
public override string ToString()
```

Returns

[string](#)

A string that represents the current object.

Class RaiseBookPopularityRequest

Namespace: [LibraryShopEntities.Domain.Dtos.SharedRequests](#)

Assembly: LibraryShopEntities.dll

```
public class RaiseBookPopularityRequest
```

Inheritance

[object](#) ← RaiseBookPopularityRequest

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

Ids

```
public List<int> Ids { get; set; }
```

Property Value

[List](#)<[int](#)>

Class UpdateBookStockAmountRequest

Namespace: [LibraryShopEntities.Domain.Dtos.SharedRequests](#)

Assembly: LibraryShopEntities.dll

```
public class UpdateBookStockAmountRequest
```

Inheritance

[object](#) ← UpdateBookStockAmountRequest

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

BookId

```
public int BookId { get; set; }
```

Property Value

[int](#)

ChangeAmount

```
public int ChangeAmount { get; set; }
```

Property Value

[int](#)

Namespace LibraryShopEntities.Domain.Dtos.Shop

Classes

[CartBookResponse](#)

[CartResponse](#)

[ClientResponse](#)

[OrderBookResponse](#)

[OrderResponse](#)

[StockBookChangeResponse](#)

[StockBookOrderResponse](#)

Class CartBookResponse

Namespace: [LibraryShopEntities.Domain.Dtos.Shop](#)

Assembly: LibraryShopEntities.dll

```
public class CartBookResponse
```

Inheritance

[object](#) ← CartBookResponse

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

Book

```
public BookResponse? Book { get; set; }
```

Property Value

[BookResponse](#)

BookAmount

```
public int BookAmount { get; set; }
```

Property Value

[int](#)

BookId

```
public int BookId { get; set; }
```

Property Value

[int](#)

Id

```
public string? Id { get; set; }
```

Property Value

[string](#)

Class CartResponse

Namespace: [LibraryShopEntities.Domain.Dtos.Shop](#)

Assembly: LibraryShopEntities.dll

```
public class CartResponse
```

Inheritance

[object](#) ← CartResponse

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

Books

```
public List<CartBookResponse>? Books { get; set; }
```

Property Value

[List](#) <[CartBookResponse](#)>

Class ClientResponse

Namespace: [LibraryShopEntities.Domain.Dtos.Shop](#)

Assembly: LibraryShopEntities.dll

```
public class ClientResponse
```

Inheritance

[object](#) ← ClientResponse

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

Address

```
public string? Address { get; set; }
```

Property Value

[string](#)

DateOfBirth

```
public DateTime DateOfBirth { get; set; }
```

Property Value

[DateTime](#)

Email

```
public string? Email { get; set; }
```

Property Value

[string](#) ↗

Id

```
public string? Id { get; set; }
```

Property Value

[string](#) ↗

LastName

```
public string? LastName { get; set; }
```

Property Value

[string](#) ↗

MiddleName

```
public string? MiddleName { get; set; }
```

Property Value

[string](#) ↗

Name

```
public string? Name { get; set; }
```

Property Value

[string](#) ↗

Phone

```
public string? Phone { get; set; }
```

Property Value

[string](#) ↗

UserId

```
public string? UserId { get; set; }
```

Property Value

[string](#) ↗

Class OrderBookResponse

Namespace: [LibraryShopEntities.Domain.Dtos.Shop](#)

Assembly: LibraryShopEntities.dll

```
public class OrderBookResponse
```

Inheritance

[object](#) ← OrderBookResponse

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

Book

```
public BookResponse? Book { get; set; }
```

Property Value

[BookResponse](#)

BookAmount

```
public int BookAmount { get; set; }
```

Property Value

[int](#)

BookId

```
public int BookId { get; set; }
```

Property Value

[int](#) ↗

BookPrice

```
public decimal BookPrice { get; set; }
```

Property Value

[decimal](#) ↗

Id

```
public string? Id { get; set; }
```

Property Value

[string](#) ↗

Class OrderResponse

Namespace: [LibraryShopEntities.Domain.Dtos.Shop](#)

Assembly: LibraryShopEntities.dll

```
public class OrderResponse
```

Inheritance

[object](#) ← OrderResponse

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

Client

```
public ClientResponse? Client { get; set; }
```

Property Value

[ClientResponse](#)

ContactClientName

```
public string ContactClientName { get; set; }
```

Property Value

[string](#)

ContactPhone

```
public string ContactPhone { get; set; }
```

Property Value

[string](#)

CreatedAt

```
public DateTime CreatedAt { get; set; }
```

Property Value

[DateTime](#)

DeliveryAddress

```
public string? DeliveryAddress { get; set; }
```

Property Value

[string](#)

DeliveryMethod

```
public DeliveryMethod DeliveryMethod { get; set; }
```

Property Value

[DeliveryMethod](#)

DeliveryTime

```
public DateTime DeliveryTime { get; set; }
```

Property Value

[DateTime](#)

Id

```
public int Id { get; set; }
```

Property Value

[int](#)

OrderAmount

```
public int OrderAmount { get; set; }
```

Property Value

[int](#)

OrderBooks

```
public List<OrderBookResponse>? OrderBooks { get; set; }
```

Property Value

[List](#)<[OrderBookResponse](#)>

OrderStatus

```
public OrderStatus OrderStatus { get; set; }
```

Property Value

[OrderStatus](#)

PaymentMethod

```
public PaymentMethod PaymentMethod { get; set; }
```

Property Value

[PaymentMethod](#)

TotalPrice

```
public decimal TotalPrice { get; set; }
```

Property Value

[decimal](#)

UpdatedAt

```
public DateTime UpdatedAt { get; set; }
```

Property Value

[DateTime](#)

Class StockBookChangeResponse

Namespace: [LibraryShopEntities.Domain.Dtos.Shop](#)

Assembly: LibraryShopEntities.dll

```
public class StockBookChangeResponse
```

Inheritance

[object](#) ← StockBookChangeResponse

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

Book

```
public BookResponse? Book { get; set; }
```

Property Value

[BookResponse](#)

BookId

```
public int BookId { get; set; }
```

Property Value

[int](#)

ChangeAmount

```
public int ChangeAmount { get; set; }
```

Property Value

[int ↗](#)

Id

```
public int Id { get; set; }
```

Property Value

[int ↗](#)

Class StockBookOrderResponse

Namespace: [LibraryShopEntities.Domain.Dtos.Shop](#)

Assembly: LibraryShopEntities.dll

```
public class StockBookOrderResponse
```

Inheritance

[object](#) ← StockBookOrderResponse

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

Client

```
public ClientResponse? Client { get; set; }
```

Property Value

[ClientResponse](#)

CreatedAt

```
public DateTime CreatedAt { get; set; }
```

Property Value

[DateTime](#)

Id

```
public int Id { get; set; }
```

Property Value

[int](#)

StockBookChanges

```
public List<StockBookChangeResponse>? StockBookChanges { get; set; }
```

Property Value

[List](#)<[StockBookChangeResponse](#)>

TotalChangeAmount

```
public int TotalChangeAmount { get; set; }
```

Property Value

[int](#)

Type

```
public StockBookOrderType Type { get; set; }
```

Property Value

[StockBookOrderType](#)

UpdatedAt

```
public DateTime UpdatedAt { get; set; }
```

Property Value

[DateTime](#) ↗

Namespace LibraryShopEntities.Domain. Entities Interfaces

[ITrackable](#)

Interface ITrackable

Namespace: [LibraryShopEntities.Domain.Entities](#)

Assembly: LibraryShopEntities.dll

```
public interface ITrackable
```

Properties

CreatedAt

```
DateTime CreatedAt { get; set; }
```

Property Value

[DateTime](#) ↗

UpdatedAt

```
DateTime UpdatedAt { get; set; }
```

Property Value

[DateTime](#) ↗

Namespace LibraryShopEntities.Domain.Entities.Library

Classes

[Author](#)

[BaseLibraryEntity](#)

[Book](#)

[BookPopularity](#)

[Genre](#)

[Publisher](#)

Enums

[CoverType](#)

Class Author

Namespace: [LibraryShopEntities.Domain.Entities.Library](#)

Assembly: LibraryShopEntities.dll

```
public class Author : BaseLibraryEntity
```

Inheritance

[object](#) ← [BaseLibraryEntity](#) ← Author

Inherited Members

[BaseLibraryEntity.Id](#) , [BaseLibraryEntity.Name](#) , [object.Equals\(object\)](#) ,
[object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Properties

DateOfBirth

[Required]
public DateTime DateOfBirth { get; set; }

Property Value

[DateTime](#)

LastName

[Required]
[MaxLength(256)]
public string LastName { get; set; }

Property Value

[string](#)

Methods

Copy(BaseLibraryEntity)

```
public override void Copy(BaseLibraryEntity other)
```

Parameters

other [BaseLibraryEntity](#)

Class BaseLibraryEntity

Namespace: [LibraryShopEntities.Domain.Entities.Library](#)

Assembly: LibraryShopEntities.dll

```
public abstract class BaseLibraryEntity
```

Inheritance

[object](#) ← BaseLibraryEntity

Derived

[Author](#), [Book](#), [Genre](#), [Publisher](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

Id

```
[Key]  
[DatabaseGenerated(DatabaseGeneratedOption.Identity)]  
public int Id { get; set; }
```

Property Value

[int](#)

Name

```
[Required]  
[MaxLength(256)]  
public string Name { get; set; }
```

Property Value

[string](#) ↗

Methods

Copy(BaseLibraryEntity)

```
public abstract void Copy(BaseLibraryEntity other)
```

Parameters

other [BaseLibraryEntity](#)

Class Book

Namespace: [LibraryShopEntities.Domain.Entities.Library](#)

Assembly: LibraryShopEntities.dll

```
public class Book : BaseLibraryEntity
```

Inheritance

[object](#) ← [BaseLibraryEntity](#) ← Book

Inherited Members

[BaseLibraryEntity.Id](#) , [BaseLibraryEntity.Name](#) , [object.Equals\(object\)](#) ,
[object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Properties

Author

```
[ForeignKey("AuthorId")]
public Author Author { get; set; }
```

Property Value

[Author](#)

AuthorId

```
[Required]
public int AuthorId { get; set; }
```

Property Value

[int](#)

BookPopularity

```
public BookPopularity? BookPopularity { get; set; }
```

Property Value

[BookPopularity](#)

CoverImgUrl

```
[Required]  
[MaxLength(1024)]  
public string CoverImgUrl { get; set; }
```

Property Value

[string](#) ↗

CoverType

```
[Required]  
public CoverType CoverType { get; set; }
```

Property Value

[CoverType](#)

Description

```
[MaxLength(4096)]  
public string? Description { get; set; }
```

Property Value

[string](#) ↗

Genre

```
[ForeignKey("GenreId")]
public Genre Genre { get; set; }
```

Property Value

[Genre](#)

GenreId

```
[Required]
public int GenreId { get; set; }
```

Property Value

[int](#)

PageAmount

```
[Required]
[Range(1, 2147483647, ErrorMessage = "Page amount must be greater than 0")]
public int PageAmount { get; set; }
```

Property Value

[int](#)

Price

```
[Required]
[Column(TypeName = "decimal(18, 2)")]
public decimal Price { get; set; }
```

Property Value

[decimal](#)

PublicationDate

[Required]

```
public DateTime PublicationDate { get; set; }
```

Property Value

[DateTime](#)

Publisher

[ForeignKey("PublisherId")]

```
public Publisher Publisher { get; set; }
```

Property Value

[Publisher](#)

PublisherId

[Required]

```
public int PublisherId { get; set; }
```

Property Value

[int](#)

StockAmount

[Range(0, 2147483647, ErrorMessage = "Stock amount must be greater than or equal to 0")]

```
public int StockAmount { get; set; }
```

Property Value

[int](#)

Methods

Copy(BaseLibraryEntity)

```
public override void Copy(BaseLibraryEntity other)
```

Parameters

other [BaseLibraryEntity](#)

Class BookPopularity

Namespace: [LibraryShopEntities.Domain.Entities.Library](#)

Assembly: LibraryShopEntities.dll

```
[Index("BookId", new string[] { }, IsUnique = true)]
public class BookPopularity
```

Inheritance

[object](#) ← BookPopularity

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

Book

```
[ForeignKey("BookId")]
public Book Book { get; set; }
```

Property Value

[Book](#)

BookId

```
[Required]
public int BookId { get; set; }
```

Property Value

[int](#)

Id

```
[Key]  
[DatabaseGenerated(DatabaseGeneratedOption.Identity)]  
public int Id { get; set; }
```

Property Value

[int](#)

Popularity

```
public float Popularity { get; set; }
```

Property Value

[float](#)

Enum CoverType

Namespace: [LibraryShopEntities.Domain.Entities.Library](#)

Assembly: LibraryShopEntities.dll

```
public enum CoverType
```

Fields

Any = 0

Hard = 1

Soft = 2

Class Genre

Namespace: [LibraryShopEntities.Domain.Entities.Library](#)

Assembly: LibraryShopEntities.dll

```
public class Genre : BaseLibraryEntity
```

Inheritance

[object](#) ← [BaseLibraryEntity](#) ← Genre

Inherited Members

[BaseLibraryEntity.Id](#) , [BaseLibraryEntity.Name](#) , [object.Equals\(object\)](#) ,
[object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Methods

Copy(BaseLibraryEntity)

```
public override void Copy(BaseLibraryEntity other)
```

Parameters

other [BaseLibraryEntity](#)

Class Publisher

Namespace: [LibraryShopEntities.Domain.Entities.Library](#)

Assembly: LibraryShopEntities.dll

```
public class Publisher : BaseLibraryEntity
```

Inheritance

[object](#) ← [BaseLibraryEntity](#) ← Publisher

Inherited Members

[BaseLibraryEntity.Id](#) , [BaseLibraryEntity.Name](#) , [object.Equals\(object\)](#) ,
[object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Methods

Copy(BaseLibraryEntity)

```
public override void Copy(BaseLibraryEntity other)
```

Parameters

other [BaseLibraryEntity](#)

Namespace LibraryShopEntities.Domain.Entities.Shop

Classes

[Cart](#)

[CartBook](#)

[Client](#)

[Order](#)

[OrderBook](#)

[StockBookChange](#)

[StockBookOrder](#)

Enums

[DeliveryMethod](#)

[OrderStatus](#)

[PaymentMethod](#)

[StockBookOrderType](#)

Class Cart

Namespace: [LibraryShopEntities.Domain.Entities.Shop](#)

Assembly: LibraryShopEntities.dll

```
public class Cart
```

Inheritance

[object](#) ← Cart

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

Books

```
public List<CartBook> Books { get; set; }
```

Property Value

[List](#)<[CartBook](#)>

Id

```
[Key]  
[DatabaseGenerated(DatabaseGeneratedOption.Identity)]  
public string Id { get; set; }
```

Property Value

[string](#)

UserId

```
[Required]  
[MaxLength(256)]  
public string UserId { get; set; }
```

Property Value

[string](#) ↗

Class CartBook

Namespace: [LibraryShopEntities.Domain.Entities.Shop](#)

Assembly: LibraryShopEntities.dll

```
public class CartBook
```

Inheritance

[object](#) ← CartBook

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

BookAmount

```
[Required]  
[Range(0, 2147483647, ErrorMessage = "Book amount must be greater or equal than 0")]  
public int BookAmount { get; set; }
```

Property Value

[int](#)

BookId

```
[Required]  
public int BookId { get; set; }
```

Property Value

[int](#)

Cart

```
[ForeignKey("CartId")]
public Cart Cart { get; set; }
```

Property Value

[Cart](#)

CartId

```
[Required]
public string CartId { get; set; }
```

Property Value

[string](#)

Id

```
[Key]
[DatabaseGenerated(DatabaseGeneratedOption.Identity)]
public string Id { get; set; }
```

Property Value

[string](#)

Methods

Copy(CartBook)

```
public void Copy(CartBook other)
```

Parameters

other [CartBook](#)

Class Client

Namespace: [LibraryShopEntities.Domain.Entities.Shop](#)

Assembly: LibraryShopEntities.dll

```
[Index("UserId", new string[] { }, IsUnique = true)]
public class Client
```

Inheritance

[object](#) ← Client

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

Address

```
[MaxLength(512)]
public string Address { get; set; }
```

Property Value

[string](#)

DateOfBirth

```
[Required]
public DateTime DateOfBirth { get; set; }
```

Property Value

[DateTime](#)

Email

```
[Required]  
[MaxLength(256)]  
public string Email { get; set; }
```

Property Value

[string](#) ↗

Id

```
[Key]  
[DatabaseGenerated(DatabaseGeneratedOption.Identity)]  
public string Id { get; set; }
```

Property Value

[string](#) ↗

LastName

```
[MaxLength(256)]  
public string LastName { get; set; }
```

Property Value

[string](#) ↗

MiddleName

```
[MaxLength(256)]  
public string MiddleName { get; set; }
```

Property Value

[string](#)

Name

```
[Required]  
[MaxLength(256)]  
public string Name { get; set; }
```

Property Value

[string](#)

Orders

```
public List<Order> Orders { get; set; }
```

Property Value

[List](#)<[Order](#)>

Phone

```
[Required]  
[MinLength(10)]  
[MaxLength(50)]  
[Phone]  
public string Phone { get; set; }
```

Property Value

[string](#)

UserId

```
[Required]  
[MaxLength(256)]  
public string UserId { get; set; }
```

Property Value

[string](#)

Methods

Copy(Client)

```
public void Copy(Client other)
```

Parameters

other [Client](#)

Enum DeliveryMethod

Namespace: [LibraryShopEntities.Domain.Entities.Shop](#)

Assembly: LibraryShopEntities.dll

```
public enum DeliveryMethod
```

Fields

AddressDelivery = 1

SelfPickup = 0

Class Order

Namespace: [LibraryShopEntities.Domain.Entities.Shop](#)

Assembly: LibraryShopEntities.dll

```
public class Order : ITrackable
```

Inheritance

[object](#) ← Order

Implements

[ITrackable](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

Client

```
[ForeignKey("ClientId")]
public Client Client { get; set; }
```

Property Value

[Client](#)

ClientId

```
[Required]
public string ClientId { get; set; }
```

Property Value

[string](#)

ContactClientName

```
[Required]  
[MaxLength(256)]  
public string ContactClientName { get; set; }
```

Property Value

[string](#)

ContactPhone

```
[Required]  
[MinLength(10)]  
[MaxLength(50)]  
[Phone]  
public string ContactPhone { get; set; }
```

Property Value

[string](#)

CreatedAt

```
[Required]  
public DateTime CreatedAt { get; set; }
```

Property Value

[DateTime](#)

DeliveryAddress

```
[Required]  
[MaxLength(512)]  
public string DeliveryAddress { get; set; }
```

Property Value

[string](#)

DeliveryMethod

```
[Required]  
public DeliveryMethod DeliveryMethod { get; set; }
```

Property Value

[DeliveryMethod](#)

DeliveryTime

```
[Required]  
public DateTime DeliveryTime { get; set; }
```

Property Value

[DateTime](#)

Id

```
[Key]  
[DatabaseGenerated(DatabaseGeneratedOption.Identity)]  
public int Id { get; set; }
```

Property Value

[int](#)

OrderAmount

```
[Range(1, 2147483647, ErrorMessage = "Order amount must be at least 1.")]  
public int OrderAmount { get; set; }
```

Property Value

[int](#)

OrderBooks

```
public List<OrderBook> OrderBooks { get; set; }
```

Property Value

[List](#) <[OrderBook](#)>

OrderStatus

```
[Required]  
public OrderStatus OrderStatus { get; set; }
```

Property Value

[OrderStatus](#)

PaymentMethod

```
[Required]  
public PaymentMethod PaymentMethod { get; set; }
```

Property Value

[PaymentMethod](#)

TotalPrice

```
[Required]  
[Column(TypeName = "decimal(18, 2)")]  
public decimal TotalPrice { get; set; }
```

Property Value

[decimal](#) ↴

UpdatedAt

```
[Required]  
public DateTime UpdatedAt { get; set; }
```

Property Value

[DateTime](#) ↴

Methods

Copy(Order)

```
public void Copy(Order other)
```

Parameters

other [Order](#)

Class OrderBook

Namespace: [LibraryShopEntities.Domain.Entities.Shop](#)

Assembly: LibraryShopEntities.dll

```
public class OrderBook
```

Inheritance

[object](#) ← OrderBook

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

BookAmount

```
[Required]  
[Range(1, 2147483647, ErrorMessage = "Book amount must be greater than 0")]  
public int BookAmount { get; set; }
```

Property Value

[int](#)

BookId

```
[Required]  
public int BookId { get; set; }
```

Property Value

[int](#)

BookPrice

```
[Required]  
public decimal BookPrice { get; set; }
```

Property Value

[decimal](#) ↗

Id

```
[Key]  
[DatabaseGenerated(DatabaseGeneratedOption.Identity)]  
public string Id { get; set; }
```

Property Value

[string](#) ↗

Order

```
[ForeignKey("OrderId")]  
public Order Order { get; set; }
```

Property Value

[Order](#)

OrderId

```
[Required]  
public int OrderId { get; set; }
```

Property Value

Enum OrderStatus

Namespace: [LibraryShopEntities.Domain.Entities.Shop](#)

Assembly: LibraryShopEntities.dll

```
public enum OrderStatus
```

Fields

Canceled = -1

Completed = 1

InProcessing = 0

Enum PaymentMethod

Namespace: [LibraryShopEntities.Domain.Entities.Shop](#)

Assembly: LibraryShopEntities.dll

```
public enum PaymentMethod
```

Fields

Cash = 0

Class StockBookChange

Namespace: [LibraryShopEntities.Domain.Entities.Shop](#)

Assembly: LibraryShopEntities.dll

```
public class StockBookChange
```

Inheritance

[object](#) ← StockBookChange

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

BookId

[Required]
public int BookId { get; set; }

Property Value

[int](#)

ChangeAmount

[Required]
public int ChangeAmount { get; set; }

Property Value

[int](#)

Id

```
[Key]  
[DatabaseGenerated(DatabaseGeneratedOption.Identity)]  
public int Id { get; set; }
```

Property Value

[int](#)

Class StockBookOrder

Namespace: [LibraryShopEntities.Domain.Entities.Shop](#)

Assembly: LibraryShopEntities.dll

```
public class StockBookOrder : ITrackable
```

Inheritance

[object](#) ← StockBookOrder

Implements

[ITrackable](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

Client

```
[ForeignKey("ClientId")]
public Client Client { get; set; }
```

Property Value

[Client](#)

ClientId

```
[Required]
public string ClientId { get; set; }
```

Property Value

[string](#)

CreatedAt

[Required]

```
public DateTime CreatedAt { get; set; }
```

Property Value

[DateTime](#)

Id

[Key]

[DatabaseGenerated(DatabaseGeneratedOption.Identity)]

```
public int Id { get; set; }
```

Property Value

[int](#)

StockBookChanges

```
public List<StockBookChange> StockBookChanges { get; set; }
```

Property Value

[List](#)<[StockBookChange](#)>

TotalChangeAmount

[Required]

```
public int TotalChangeAmount { get; set; }
```

Property Value

[int ↗](#)

Type

[Required]

```
public StockBookOrderType Type { get; set; }
```

Property Value

[StockBookOrderType](#)

UpdatedAt

[Required]

```
public DateTime UpdatedAt { get; set; }
```

Property Value

[DateTime ↗](#)

Enum StockBookOrderType

Namespace: [LibraryShopEntities.Domain.Entities.Shop](#)

Assembly: LibraryShopEntities.dll

```
public enum StockBookOrderType
```

Fields

ClientOrder = 1

ClientOrderCancel = 2

ManagerOrderCancel = 3

StockReplenishment = 0

Namespace LibraryShopEntities.Filters

Classes

[BookFilterRequest](#)

[GetOrdersFilter](#)

[LibraryFilterRequest](#)

Enums

[BookSorting](#)

Class BookFilterRequest

Namespace: [LibraryShopEntities.Filters](#)

Assembly: LibraryShopEntities.dll

```
public class BookFilterRequest : LibraryFilterRequest
```

Inheritance

[object](#) ← [PaginationRequest](#) ← [LibraryFilterRequest](#) ← BookFilterRequest

Inherited Members

[LibraryFilterRequest.ContainsName](#) , [PaginationRequest.PageNumber](#) ,
[PaginationRequest.PageSize](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,
[object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) ,
[object.ReferenceEquals\(object, object\)](#)

Properties

AuthorId

```
public int? AuthorId { get; set; }
```

Property Value

[int](#)?

CoverType

```
public CoverType? CoverType { get; set; }
```

Property Value

[CoverType](#)?

GenreId

```
public int? GenreId { get; set; }
```

Property Value

[int](#)?

MaxPageAmount

```
public int? MaxPageAmount { get; set; }
```

Property Value

[int](#)?

MaxPrice

```
public decimal? MaxPrice { get; set; }
```

Property Value

[decimal](#)?

MinPageAmount

```
public int? MinPageAmount { get; set; }
```

Property Value

[int](#)?

MinPrice

```
public decimal? MinPrice { get; set; }
```

Property Value

[decimal](#)?

OnlyInStock

```
public bool? OnlyInStock { get; set; }
```

Property Value

[bool](#)?

PublicationFrom

```
public DateTime? PublicationFrom { get; set; }
```

Property Value

[DateTime](#)?

PublicationTo

```
public DateTime? PublicationTo { get; set; }
```

Property Value

[DateTime](#)?

PublisherId

```
public int? PublisherId { get; set; }
```

Property Value

int?

Sorting

```
public BookSorting? Sorting { get; set; }
```

Property Value

BookSorting?

Methods

ToString()

Returns a string that represents the current object.

```
public override string ToString()
```

Returns

string

A string that represents the current object.

Enum BookSorting

Namespace: [LibraryShopEntities.Filters](#)

Assembly: LibraryShopEntities.dll

```
public enum BookSorting
```

Fields

LeastPopular = 1

MostPopular = 0

Class GetOrdersFilter

Namespace: [LibraryShopEntities.Filters](#)

Assembly: LibraryShopEntities.dll

```
public class GetOrdersFilter : PaginationRequest
```

Inheritance

[object](#) ← [PaginationRequest](#) ← GetOrdersFilter

Inherited Members

[PaginationRequest.PageNumber](#) , [PaginationRequest.PageSize](#) , [object.Equals\(object\)](#) ,
[object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Properties

ClientId

```
public string? ClientId { get; set; }
```

Property Value

[string](#)

Class LibraryFilterRequest

Namespace: [LibraryShopEntities.Filters](#)

Assembly: LibraryShopEntities.dll

```
public class LibraryFilterRequest : PaginationRequest
```

Inheritance

[object](#) ← [PaginationRequest](#) ← LibraryFilterRequest

Derived

[BookFilterRequest](#)

Inherited Members

[PaginationRequest.PageNumber](#) , [PaginationRequest.PageSize](#) , [object.Equals\(object\)](#) ,
[object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#)

Properties

ContainsName

```
public string ContainsName { get; set; }
```

Property Value

[string](#)

Methods

ToString()

Returns a string that represents the current object.

```
public override string ToString()
```

Returns

[string](#)

A string that represents the current object.

Namespace LibraryShopEntities. Repositories.Library

Classes

[AuthorRepository](#)

[BookRepository](#)

[LibraryEntityRepository< TEntity >](#)

Interfaces

[IBookRepository](#)

[ILibraryEntityRepository< TEntity >](#)

Class AuthorRepository

Namespace: [LibraryShopEntities.Repositories.Library](#)

Assembly: LibraryShopEntities.dll

```
public class AuthorRepository : LibraryEntityRepository<Author>,
    ILibraryEntityRepository<Author>
```

Inheritance

[object](#) ← [LibraryEntityRepository<Author>](#) ← AuthorRepository

Implements

[ILibraryEntityRepository<Author>](#)

Inherited Members

[LibraryEntityRepository<Author>.repository](#) ,
[LibraryEntityRepository<Author>.GetByIdAsync\(int, CancellationToken\)](#) ,
[LibraryEntityRepository<Author>.GetByIdsAsync\(IEnumerable<int>, CancellationToken\)](#) ,
[LibraryEntityRepository<Author>.GetPaginatedAsync\(LibraryFilterRequest, CancellationToken\)](#) ,
[LibraryEntityRepository<Author>.GetItemTotalAmountAsync\(LibraryFilterRequest, CancellationToken\)](#) ,
[LibraryEntityRepository<Author>.CreateAsync\(Author, CancellationToken\)](#) ,
[LibraryEntityRepository<Author>.UpdateAsync\(Author, CancellationToken\)](#) ,
[LibraryEntityRepository<Author>.UpdateRangeAsync\(IEnumerable<Author>, CancellationToken\)](#) ,
[LibraryEntityRepository<Author>.DeleteAsync\(Author, CancellationToken\)](#) ,
[LibraryEntityRepository<Author>.ApplyOrdering\(IQueryable<Author>\)](#) ,
[LibraryEntityRepository<Author>.ApplyPagination\(IQueryable<Author>, LibraryFilterRequest\)](#) ,
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

AuthorRepository(IDatabaseRepository<LibraryDbConte

xt>)

```
public AuthorRepository(IDatabaseRepository<LibraryDbContext> repository)
```

Parameters

repository [IDatabaseRepository<LibraryDbContext>](#)

Methods

ApplyFilter(IQueryable<Author>, LibraryFilterRequest)

```
protected override IQueryable<Author> ApplyFilter(IQueryable<Author> query,  
LibraryFilterRequest req)
```

Parameters

query [IQueryable<Author>](#)

req [LibraryFilterRequest](#)

Returns

[IQueryable<Author>](#)

Class BookRepository

Namespace: [LibraryShopEntities.Repositories.Library](#)

Assembly: LibraryShopEntities.dll

```
public sealed class BookRepository : LibraryEntityRepository<Book>, IBookRepository,  
ILibraryEntityRepository<Book>
```

Inheritance

[object](#) ← [LibraryEntityRepository<Book>](#) ← BookRepository

Implements

[IBookRepository](#), [ILibraryEntityRepository<Book>](#)

Inherited Members

[LibraryEntityRepository<Book>.UpdateRangeAsync\(IEnumerable<Book>, CancellationToken\)](#) ,
[LibraryEntityRepository<Book>.DeleteAsync\(Book, CancellationToken\)](#) ,
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Constructors

BookRepository(IDatabaseRepository<LibraryDbContext>)

```
public BookRepository(IDatabaseRepository<LibraryDbContext> repository)
```

Parameters

repository [IDatabaseRepository<LibraryDbContext>](#)

Methods

ApplyFilter(IQueryable<Book>, LibraryFilterRequest)

```
protected override IQueryable<Book> ApplyFilter(IQueryable<Book> query,  
LibraryFilterRequest req)
```

Parameters

query [IQueryable](#)<[Book](#)>

req [LibraryFilterRequest](#)

Returns

[IQueryable](#)<[Book](#)>

CreateAsync(Book, CancellationToken)

```
public override Task<Book> CreateAsync(Book book, CancellationToken  
cancellationToken)
```

Parameters

book [Book](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[Book](#)>

GetByIdAsync(int, CancellationToken)

```
public override Task<Book?> GetByIdAsync(int id, CancellationToken  
cancellationToken)
```

Parameters

id [int](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[Book](#)>

GetByIdsAsync(IEnumerable<int>, CancellationToken)

```
public override Task<IEnumerable<Book>> GetByIdsAsync(IEnumerable<int> ids,  
CancellationToken cancellationToken)
```

Parameters

ids [IEnumerable](#)<[int](#)>

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[IEnumerable](#)<[Book](#)>>

GetItemTotalAmountAsync(LibraryFilterRequest, CancellationToken)

```
public override Task<int> GetItemTotalAmountAsync(LibraryFilterRequest req,  
CancellationToken cancellationToken)
```

Parameters

req [LibraryFilterRequest](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[int](#)>

GetPaginatedAsync(LibraryFilterRequest, CancellationToken)

```
public override Task<IEnumerable<Book>> GetPaginatedAsync(LibraryFilterRequest req, CancellationToken cancellationToken)
```

Parameters

req [LibraryFilterRequest](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[IEnumerable](#)<[Book](#)>>

GetPopularitiesByIdsAsync(IEnumerable<int>, CancellationToken)

```
public Task<IEnumerable<BookPopularity>> GetPopularitiesByIdsAsync(IEnumerable<int> ids, CancellationToken cancellationToken)
```

Parameters

ids [IEnumerable](#)<[int](#)>

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[IEnumerable](#)<[BookPopularity](#)>>

UpdateAsync(Book, CancellationToken)

```
public override Task<Book> UpdateAsync(Book book, CancellationToken cancellationToken)
```

Parameters

book [Book](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[Book](#)>

UpdatePopularityRangeAsync(IEnumerable<BookPopularity>, CancellationToken)

```
public Task UpdatePopularityRangeAsync(IEnumerable<BookPopularity> popularities,  
CancellationToken cancellationToken)
```

Parameters

popularities [IEnumerable](#)<[BookPopularity](#)>

cancellationToken [CancellationToken](#)

Returns

[Task](#)

Interface IBookRepository

Namespace: [LibraryShopEntities.Repositories.Library](#)

Assembly: LibraryShopEntities.dll

```
public interface IBookRepository : ILibraryEntityRepository<Book>
```

Inherited Members

[ILibraryEntityRepository<Book>.CreateAsync\(Book, CancellationToken\)](#) ,
[ILibraryEntityRepository<Book>.DeleteAsync\(Book, CancellationToken\)](#) ,
[ILibraryEntityRepository<Book>.GetByIdAsync\(int, CancellationToken\)](#) ,
[ILibraryEntityRepository<Book>.GetByIdsAsync\(IEnumerable<int>, CancellationToken\)](#) ,
[ILibraryEntityRepository<Book>.GetItemTotalAmountAsync\(LibraryFilterRequest, CancellationToken\)](#) ,
[ILibraryEntityRepository<Book>.GetPaginatedAsync\(LibraryFilterRequest, CancellationToken\)](#) ,
[ILibraryEntityRepository<Book>.UpdateAsync\(Book, CancellationToken\)](#) ,
[ILibraryEntityRepository<Book>.UpdateRangeAsync\(IEnumerable<Book>, CancellationToken\)](#).

Methods

GetPopularitiesByIdsAsync(IEnumerable<int>, CancellationToken)

```
Task<IEnumerable<BookPopularity>> GetPopularitiesByIdsAsync(IEnumerable<int> ids, CancellationToken cancellationToken)
```

Parameters

ids [IEnumerable<int>](#)

cancellationToken [CancellationToken](#)

Returns

[Task<IEnumerable<BookPopularity>>](#)

UpdatePopularityRangeAsync(IEnumerable<BookPopularity>, CancellationToken)

Task `UpdatePopularityRangeAsync(IEnumerable<BookPopularity> popularities, CancellationToken cancellationToken)`

Parameters

`popularities` [IEnumerable](#)<[BookPopularity](#)>

`cancellationToken` [CancellationToken](#)

Returns

[Task](#)

Interface ILibraryEntityRepository< TEntity >

Namespace: [LibraryShopEntities.Repositories.Library](#)

Assembly: LibraryShopEntities.dll

```
public interface ILibraryEntityRepository< TEntity > where TEntity : BaseLibraryEntity
```

Type Parameters

TEntity

Methods

CreateAsync(TEntity, CancellationToken)

```
Task< TEntity > CreateAsync(TEntity entity, CancellationToken cancellationToken)
```

Parameters

entity TEntity

cancellationToken [CancellationToken](#)

Returns

[Task](#) < TEntity >

DeleteAsync(TEntity, CancellationToken)

```
Task DeleteAsync(TEntity entity, CancellationToken cancellationToken)
```

Parameters

entity TEntity

cancellationToken [CancellationToken](#)

Returns

[Task](#)

GetByIdAsync(int, CancellationToken)

Task< TEntity?> GetByIdAsync([int](#) id, CancellationToken cancellationToken)

Parameters

[id](#) [int](#)

[cancellationToken](#) [CancellationToken](#)

Returns

[Task](#)< TEntity>

GetByIdsAsync(IEnumerable<int>, CancellationToken)

Task< IEnumerable< TEntity>> GetByIdsAsync(IEnumerable< [int](#) > ids,
CancellationToken cancellationToken)

Parameters

[ids](#) [IEnumerable](#)< [int](#) >

[cancellationToken](#) [CancellationToken](#)

Returns

[Task](#)< [IEnumerable](#)< TEntity>>

GetItemTotalAmountAsync(LibraryFilterRequest, CancellationToken)

```
Task<int> GetItemTotalAmountAsync(LibraryFilterRequest req,  
CancellationToken cancellationToken)
```

Parameters

req [LibraryFilterRequest](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<int>

GetPaginatedAsync(LibraryFilterRequest, CancellationToken)

```
Task<IEnumerable< TEntity >> GetPaginatedAsync(LibraryFilterRequest req,  
CancellationToken cancellationToken)
```

Parameters

req [LibraryFilterRequest](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<IEnumerable< TEntity >>

UpdateAsync(TEntity, CancellationToken)

```
Task< TEntity > UpdateAsync(TEntity entity, CancellationToken cancellationToken)
```

Parameters

entity TEntity

cancellationToken [CancellationToken](#)

Returns

[Task](#)<

UpdateRangeAsync(IEnumerable< TEntity >, CancellationToken)

Task **UpdateRangeAsync(IEnumerable< TEntity > entities, CancellationToken cancellationToken)**

Parameters

entities [IEnumerable](#)< TEntity >

cancellationToken [CancellationToken](#)

Returns

[Task](#)

Class LibraryEntityRepository< TEntity >

Namespace: [LibraryShopEntities.Repositories.Library](#)

Assembly: LibraryShopEntities.dll

```
public class LibraryEntityRepository< TEntity > : ILibraryEntityRepository< TEntity >
where TEntity : BaseLibraryEntity
```

Type Parameters

TEntity

Inheritance

[object](#) ← LibraryEntityRepository< TEntity >

Implements

[ILibraryEntityRepository](#)< TEntity >

Derived

[AuthorRepository](#), [BookRepository](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

LibraryEntityRepository(IDatabaseRepository< LibraryDbContext >)

```
public LibraryEntityRepository(IDatabaseRepository< LibraryDbContext > repository)
```

Parameters

repository [IDatabaseRepository](#)< LibraryDbContext >

Fields repository

```
protected readonly IDatabaseRepository<LibraryDbContext> repository
```

Field Value

[IDatabaseRepository<LibraryDbContext>](#)

Methods

ApplyFilter(IQueryable< TEntity >, LibraryFilterRequest)

```
protected virtual IQueryable< TEntity > ApplyFilter(IQueryable< TEntity > query,  
LibraryFilterRequest req)
```

Parameters

query [IQueryable](#)< TEntity >

req [LibraryFilterRequest](#)

Returns

[IQueryable](#)< TEntity >

ApplyOrdering(IQueryable< TEntity >)

```
protected virtual IQueryable< TEntity > ApplyOrdering(IQueryable< TEntity > query)
```

Parameters

query [IQueryable](#)< TEntity >

Returns

[IQueryable](#)< TEntity >

ApplyPagination(IQueryable< TEntity >, LibraryFilterRequest)

```
protected virtual IQueryable< TEntity > ApplyPagination(IQueryable< TEntity > query,  
LibraryFilterRequest req)
```

Parameters

query [IQueryable](#)< TEntity >

req [LibraryFilterRequest](#)

Returns

[IQueryable](#)< TEntity >

CreateAsync(TEntity, CancellationToken)

```
public virtual Task< TEntity > CreateAsync(TEntity entity, CancellationToken  
cancellationToken)
```

Parameters

entity TEntity

cancellationToken [CancellationToken](#)

Returns

[Task](#)< TEntity >

DeleteAsync(TEntity, CancellationToken)

```
public virtual Task DeleteAsync(TEntity entity, CancellationToken cancellationToken)
```

Parameters

entity TEntity

cancellationToken [CancellationToken](#)

Returns

[Task](#)

GetByIdAsync(int, CancellationToken)

```
public virtual Task<TEntity?> GetByIdAsync(int id, CancellationToken  
cancellationToken)
```

Parameters

id [int](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<TEntity>

GetByIdsAsync(IEnumerable<int>, CancellationToken)

```
public virtual Task<IEnumerable<TEntity>> GetByIdsAsync(IEnumerable<int> ids,  
CancellationToken cancellationToken)
```

Parameters

ids [IEnumerable](#)<[int](#)>

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[IEnumerable](#)<TEntity>>

GetItemTotalAmountAsync(LibraryFilterRequest, CancellationToken)

```
public virtual Task<int> GetItemTotalAmountAsync(LibraryFilterRequest req, CancellationToken cancellationToken)
```

Parameters

req [LibraryFilterRequest](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[int](#)>

GetPaginatedAsync(LibraryFilterRequest, CancellationToken)

```
public virtual Task<IEnumerable< TEntity >> GetPaginatedAsync(LibraryFilterRequest req, CancellationToken cancellationToken)
```

Parameters

req [LibraryFilterRequest](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[IEnumerable](#)< TEntity >>

UpdateAsync(TEntity, CancellationToken)

```
public virtual Task<TEntity> UpdateAsync(TEntity entity, CancellationToken cancellationToken)
```

Parameters

entity TEntity

cancellationToken [CancellationToken](#)

Returns

[Task](#)<TEntity>

UpdateRangeAsync(IEnumerable<TEntity>, CancellationToken)

```
public virtual Task UpdateRangeAsync(IEnumerable<TEntity> entities, CancellationToken cancellationToken)
```

Parameters

entities [IEnumerable](#)<TEntity>

cancellationToken [CancellationToken](#)

Returns

[Task](#)

Namespace LibraryShopEntities. Repositories.Shop

Classes

[CartRepository](#)

[ClientRepository](#)

[OrderRepository](#)

[StockBookOrderRepository](#)

Interfaces

[ICartRepository](#)

[IClientRepository](#)

[IOrderRepository](#)

[IStockBookOrderRepository](#)

Class CartRepository

Namespace: [LibraryShopEntities.Repositories.Shop](#)

Assembly: LibraryShopEntities.dll

```
public class CartRepository : ICartRepository
```

Inheritance

[object](#) ← CartRepository

Implements

[ICartRepository](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

CartRepository(IDatabaseRepository<ShopDbContext>)

```
public CartRepository(IDatabaseRepository<ShopDbContext> repository)
```

Parameters

repository [IDatabaseRepository<ShopDbContext>](#)

Methods

AddCartAsync(Cart, CancellationToken)

```
public Task<Cart> AddCartAsync(Cart cart, CancellationToken cancellationToken)
```

Parameters

cart [Cart](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[Cart](#)>

CheckBookInCartAsync(string, string, CancellationToken)

```
public Task<bool> CheckBookInCartAsync(string cartId, string id,  
CancellationToken cancellationToken)
```

Parameters

cartId [string](#)

id [string](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[bool](#)>

DeleteCartBookAsync(CartBook, CancellationToken)

```
public Task DeleteCartBookAsync(CartBook cartBook, CancellationToken  
cancellationToken)
```

Parameters

cartBook [CartBook](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)

GetCartBookByBookIdAsync(string, int, CancellationToken)

```
public Task<CartBook?> GetCartBookByBookIdAsync(string cartId, int bookId, CancellationToken cancellationToken)
```

Parameters

cartId [string](#)

bookId [int](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[CartBook](#)>

GetCartBookByIdAsync(string, string, CancellationToken)

```
public Task<CartBook?> GetCartBookByIdAsync(string cartId, string id, CancellationToken cancellationToken)
```

Parameters

cartId [string](#)

id [string](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[CartBook](#)>

GetCartByUserIdAsync(string, bool, CancellationToken)

```
public Task<Cart?> GetCartByUserIdAsync(string userId, bool includeBooks,  
CancellationToken cancellationToken)
```

Parameters

userId [string](#)

includeBooks [bool](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<Cart>

UpdateCartAsync(Cart, CancellationToken)

```
public Task<Cart> UpdateCartAsync(Cart cart, CancellationToken cancellationToken)
```

Parameters

cart [Cart](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<Cart>

UpdateCartBookAsync(CartBook, CancellationToken)

```
public Task<CartBook> UpdateCartBookAsync(CartBook cartBook,  
CancellationToken cancellationToken)
```

Parameters

cartBook [CartBook](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#) <CartBook>

Class ClientRepository

Namespace: [LibraryShopEntities.Repositories.Shop](#)

Assembly: LibraryShopEntities.dll

```
public class ClientRepository : IClientRepository
```

Inheritance

[object](#) ← ClientRepository

Implements

[IClientRepository](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

ClientRepository(IDatabaseRepository<ShopDbContext>)

```
public ClientRepository(IDatabaseRepository<ShopDbContext> repository)
```

Parameters

repository [IDatabaseRepository<ShopDbContext>](#)

Methods

CreateClientAsync(Client, CancellationToken)

```
public Task<Client> CreateClientAsync(Client client, CancellationToken  
cancellationToken)
```

Parameters

client [Client](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<Client>

DeleteClientAsync(Client, CancellationToken)

```
public Task DeleteClientAsync(Client client, CancellationToken cancellationToken)
```

Parameters

client [Client](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)

GetClientByUserIdAsync(string, CancellationToken)

```
public Task<Client?> GetClientByUserIdAsync(string userId,  
CancellationToken cancellationToken)
```

Parameters

userId [string](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<Client>

UpdateClientAsync(Client, CancellationToken)

```
public Task<Client> UpdateClientAsync(Client client, CancellationToken  
cancellationToken)
```

Parameters

client [Client](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#) <Client>

Interface ICartRepository

Namespace: [LibraryShopEntities.Repositories.Shop](#)

Assembly: LibraryShopEntities.dll

```
public interface ICartRepository
```

Methods

AddCartAsync(Cart, CancellationToken)

```
Task<Cart> AddCartAsync(Cart cart, CancellationToken cancellationToken)
```

Parameters

cart [Cart](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<Cart>

CheckBookInCartAsync(string, string, CancellationToken)

```
Task<bool> CheckBookInCartAsync(string cartId, string id,  
CancellationToken cancellationToken)
```

Parameters

cartId [string](#)

id [string](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[bool](#)>

DeleteCartBookAsync(CartBook, CancellationToken)

Task **DeleteCartBookAsync**(CartBook cartBook, CancellationToken cancellationToken)

Parameters

cartBook [CartBook](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)

GetCartBookByBookIdAsync(string, int, CancellationToken)

Task<CartBook?> **GetCartBookByBookIdAsync**(**string** cartId, **int** bookId, CancellationToken cancellationToken)

Parameters

cartId [string](#)

bookId [int](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[CartBook](#)>

GetCartBookByIdAsync(string, string, CancellationToken)

```
Task<CartBook?> GetCartBookByIdAsync(string cartId, string id,  
CancellationToken cancellationToken)
```

Parameters

cartId [string](#)

id [string](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[CartBook](#)>

GetCartByUserIdAsync(string, bool, CancellationToken)

```
Task<Cart?> GetCartByUserIdAsync(string userId, bool includeBooks,  
CancellationToken cancellationToken)
```

Parameters

userId [string](#)

includeBooks [bool](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[Cart](#)>

UpdateCartAsync(Cart, CancellationToken)

```
Task<Cart> UpdateCartAsync(Cart cart, CancellationToken cancellationToken)
```

Parameters

cart [Cart](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<Cart>

UpdateCartBookAsync(CartBook, CancellationToken)

```
Task<CartBook> UpdateCartBookAsync(CartBook cartBook, CancellationToken  
cancellationToken)
```

Parameters

cartBook [CartBook](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<CartBook>

Interface IClientRepository

Namespace: [LibraryShopEntities.Repositories.Shop](#)

Assembly: LibraryShopEntities.dll

```
public interface IClientRepository
```

Methods

CreateClientAsync(Client, CancellationToken)

```
Task<Client> CreateClientAsync(Client client, CancellationToken cancellationToken)
```

Parameters

client [Client](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[Client](#)>

DeleteClientAsync(Client, CancellationToken)

```
Task DeleteClientAsync(Client client, CancellationToken cancellationToken)
```

Parameters

client [Client](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)

GetClientByUserIdAsync(string, CancellationToken)

```
Task<Client?> GetClientByUserIdAsync(string userId, CancellationToken cancellationToken)
```

Parameters

userId [string](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<Client>

UpdateClientAsync(Client, CancellationToken)

```
Task<Client> UpdateClientAsync(Client client, CancellationToken cancellationToken)
```

Parameters

client [Client](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<Client>

Interface IOrderRepository

Namespace: [LibraryShopEntities.Repositories.Shop](#)

Assembly: LibraryShopEntities.dll

```
public interface IOrderRepository
```

Methods

AddOrderAsync(Order, CancellationToken)

```
Task<Order> AddOrderAsync(Order order, CancellationToken cancellationToken)
```

Parameters

order [Order](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[Order](#)>

DeleteOrderAsync(Order, CancellationToken)

```
Task DeleteOrderAsync(Order order, CancellationToken cancellationToken)
```

Parameters

order [Order](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)

GetOrderByIdAsync(int, CancellationToken)

Task<Order?> GetOrderByIdAsync(int id, CancellationToken cancellationToken)

Parameters

id [int](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<Order>

GetOrderCountAsync(GetOrdersFilter, CancellationToken)

Task<int> GetOrderCountAsync(GetOrdersFilter filter, CancellationToken cancellationToken)

Parameters

filter [GetOrdersFilter](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<int>

GetPaginatedOrdersAsync(GetOrdersFilter, CancellationToken)

Task<IEnumerable<Order>> GetPaginatedOrdersAsync(GetOrdersFilter filter, CancellationToken cancellationToken)

Parameters

filter [GetOrdersFilter](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[IEnumerable](#)<[Order](#)>>

UpdateOrderAsync(Order, CancellationToken)

Task<Order> **UpdateOrderAsync**(Order order, CancellationToken cancellationToken)

Parameters

order [Order](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[Order](#)>

Interface IStockBookOrderRepository

Namespace: [LibraryShopEntities.Repositories.Shop](#)

Assembly: LibraryShopEntities.dll

```
public interface IStockBookOrderRepository
```

Methods

AddStockBookOrderAsync(StockBookOrder, CancellationToken)

```
Task<StockBookOrder> AddStockBookOrderAsync(StockBookOrder stockBookOrder, CancellationToken cancellationToken)
```

Parameters

stockBookOrder [StockBookOrder](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#) <[StockBookOrder](#)>

GetPaginatedStockBookOrdersAsync(PaginationRequest, CancellationToken)

```
Task<IEnumerable<StockBookOrder>> GetPaginatedStockBookOrdersAsync(PaginationRequest pagination, CancellationToken cancellationToken)
```

Parameters

pagination [PaginationRequest](#)

`cancellationToken` [CancellationToken](#)

Returns

[Task](#)<[IEnumerable](#)<[StockBookOrder](#)>>

GetStockBookOrderAmountAsync(CancellationToken)

`Task<int> GetStockBookOrderAmountAsync(CancellationToken cancellationToken)`

Parameters

`cancellationToken` [CancellationToken](#)

Returns

[Task](#)<[int](#)>

GetStockBookOrderByIdAsync(int, CancellationToken)

`Task<StockBookOrder?> GetStockBookOrderByIdAsync(int id, CancellationToken cancellationToken)`

Parameters

`id` [int](#)

`cancellationToken` [CancellationToken](#)

Returns

[Task](#)<[StockBookOrder](#)>

Class OrderRepository

Namespace: [LibraryShopEntities.Repositories.Shop](#)

Assembly: LibraryShopEntities.dll

```
public class OrderRepository : IOrderRepository
```

Inheritance

[object](#) ← OrderRepository

Implements

[IOrderRepository](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

OrderRepository(IDatabaseRepository<ShopDbContext>)

```
public OrderRepository(IDatabaseRepository<ShopDbContext> repository)
```

Parameters

repository [IDatabaseRepository<ShopDbContext>](#)

Methods

AddOrderAsync(Order, CancellationToken)

```
public Task<Order> AddOrderAsync(Order order, CancellationToken cancellationToken)
```

Parameters

order [Order](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<Order>

DeleteOrderAsync(Order, CancellationToken)

```
public Task DeleteOrderAsync(Order order, CancellationToken cancellationToken)
```

Parameters

order [Order](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)

GetOrderByIdAsync(int, CancellationToken)

```
public Task<Order?> GetOrderByIdAsync(int id, CancellationToken cancellationToken)
```

Parameters

id [int](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<Order>

GetOrderCountAsync(GetOrdersFilter, CancellationToken)

```
public Task<int> GetOrderCountAsync(GetOrdersFilter filter, CancellationToken cancellationToken)
```

Parameters

filter [GetOrdersFilter](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[int](#)>

GetPaginatedOrdersAsync(GetOrdersFilter, CancellationToken)

```
public Task<IEnumerable<Order>> GetPaginatedOrdersAsync(GetOrdersFilter filter, CancellationToken cancellationToken)
```

Parameters

filter [GetOrdersFilter](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[IEnumerable](#)<[Order](#)>>

UpdateOrderAsync(Order, CancellationToken)

```
public Task<Order> UpdateOrderAsync(Order order, CancellationToken cancellationToken)
```

Parameters

order [Order](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[Order](#)>

Class StockBookOrderRepository

Namespace: [LibraryShopEntities.Repositories.Shop](#)

Assembly: LibraryShopEntities.dll

```
public class StockBookOrderRepository : IStockBookOrderRepository
```

Inheritance

[object](#) ← StockBookOrderRepository

Implements

[IStockBookOrderRepository](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

StockBookOrderRepository(IDatabaseRepository<ShopDbContext>)

```
public StockBookOrderRepository(IDatabaseRepository<ShopDbContext> repository)
```

Parameters

repository [IDatabaseRepository<ShopDbContext>](#)

Methods

AddStockBookOrderAsync(StockBookOrder, CancellationToken)

```
public Task<StockBookOrder> AddStockBookOrderAsync(StockBookOrder stockBookOrder,
```

```
 CancellationToken cancellationToken)
```

Parameters

stockBookOrder [StockBookOrder](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[StockBookOrder](#)>

GetPaginatedStockBookOrdersAsync(PaginationRequest, CancellationToken)

```
public Task<IEnumerable<StockBookOrder>>
GetPaginatedStockBookOrdersAsync(PaginationRequest pagination,
CancellationToken cancellationToken)
```

Parameters

pagination [PaginationRequest](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[IEnumerable](#)<[StockBookOrder](#)>>

GetStockBookOrderAmountAsync(CancellationToken)

```
public Task<int> GetStockBookOrderAmountAsync(CancellationToken cancellationToken)
```

Parameters

cancellationToken [CancellationToken](#)

Returns

[Task](#) <[int](#)>

GetStockBookOrderByIdAsync(int, CancellationToken)

```
public Task<StockBookOrder?> GetStockBookOrderByIdAsync(int id,  
CancellationToken cancellationToken)
```

Parameters

`id` [int](#)

`cancellationToken` [CancellationToken](#)

Returns

[Task](#) <[StockBookOrder](#)>

Namespace Logging

Classes

[HostBuilderExtensions](#)

Class HostBuilderExtensions

Namespace: [Logging](#)

Assembly: Logging.dll

```
public static class HostBuilderExtensions
```

Inheritance

[object](#) ← HostBuilderExtensions

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Methods

AddLogging(IHostBuilder)

```
public static IHostBuilder AddLogging(this IHostBuilder hostBuilder)
```

Parameters

hostBuilder [IHostBuilder](#)

Returns

[IHostBuilder](#)

Namespace Pagination

Classes

[PaginationConfiguration](#)

[PaginationOptions](#)

[PaginationRequest](#)

[PaginationRequestValidator](#)

[ServiceCollectionExtensions](#)

Class PaginationConfiguration

Namespace: [Pagination](#)

Assembly: Pagination.dll

```
public static class PaginationConfiguration
```

Inheritance

[object](#) ← PaginationConfiguration

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

MAX_PAGINATION_PAGE_SIZE

```
public static string MAX_PAGINATION_PAGE_SIZE { get; }
```

Property Value

[string](#)

Class PaginationOptions

Namespace: [Pagination](#)

Assembly: Pagination.dll

```
public record PaginationOptions : IEquatable<PaginationOptions>
```

Inheritance

[object](#) ← PaginationOptions

Implements

[IEquatable](#)<[PaginationOptions](#)>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

PaginationOptions(int)

```
public PaginationOptions(int MaxPaginationPageSize)
```

Parameters

MaxPaginationPageSize [int](#)

Properties

MaxPaginationPageSize

```
public int MaxPaginationPageSize { get; init; }
```

Property Value

Class PaginationRequest

Namespace: [Pagination](#)

Assembly: Pagination.dll

```
public class PaginationRequest
```

Inheritance

[object](#) ← PaginationRequest

Derived

[GetOrdersFilter](#), [LibraryFilterRequest](#), [Admin GetUser Filter](#)

Inherited Members

[object.Equals\(object\)](#), [object.Equals\(object, object\)](#), [object.GetHashCode\(\)](#),
[object.GetType\(\)](#), [object.MemberwiseClone\(\)](#), [object.ReferenceEquals\(object, object\)](#),
[object.ToString\(\)](#)

Properties

PageNumber

```
public int PageNumber { get; set; }
```

Property Value

[int](#)

PageSize

```
public int PageSize { get; set; }
```

Property Value

[int](#)

Class PaginationRequestValidator

Namespace: [Pagination](#)

Assembly: Pagination.dll

```
public class PaginationRequestValidator : AbstractValidator<PaginationRequest>,  
IValidator<PaginationRequest>, IValidator, IEnumerable<IValidationRule>, IEnumerable
```

Inheritance

[object](#) ← AbstractValidator<[PaginationRequest](#)> ← PaginationRequestValidator

Implements

IValidator<[PaginationRequest](#)>, IValidator, [IEnumerable](#)<IValidationRule>, [IEnumerable](#)

Inherited Members

AbstractValidator<PaginationRequest>.Validate(PaginationRequest) ,
[AbstractValidator<PaginationRequest>.ValidateAsync\(PaginationRequest, CancellationToken\)](#) ,
AbstractValidator<PaginationRequest>.Validate(ValidationContext<PaginationRequest>) ,
[AbstractValidator<PaginationRequest>.ValidateAsync\(ValidationContext<PaginationRequest>, CancellationToken\)](#) ,
AbstractValidator<PaginationRequest>.CreateDescriptor() ,
[AbstractValidator<PaginationRequest>.RuleFor<TPROPERTY>\(Expression<Func<PaginationRequest, TPROPERTY>>\)](#) ,
[AbstractValidator<PaginationRequest>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<PaginationRequest, TPROPERTY>>, Func<TPROPERTY, TTRANSFORMED>\)](#) ,
[AbstractValidator<PaginationRequest>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<PaginationRequest, TPROPERTY>>, Func<PaginationRequest, TPROPERTY, TTRANSFORMED>\)](#) ,
[AbstractValidator<PaginationRequest>.RuleForEach<TELEMENT>\(Expression<Func<PaginationRequest, IEnumerable<TELEMENT>>\)](#) ,
[AbstractValidator<PaginationRequest>.TransformForEach<TELEMENT, TTRANSFORMED>\(Expression<Func<PaginationRequest, IEnumerable<TELEMENT>>, Func<TELEMENT, TTRANSFORMED>\)](#) ,
[AbstractValidator<PaginationRequest>.TransformForEach<TELEMENT, TTRANSFORMED>\(Expression<Func<PaginationRequest, IEnumerable<TELEMENT>>, Func<PaginationRequest, TELEMENT, TTRANSFORMED>\)](#) ,
[AbstractValidator<PaginationRequest>.RuleSet\(string, Action\)](#) ,
[AbstractValidator<PaginationRequest>.When\(Func<PaginationRequest, bool>, Action\)](#) ,

[AbstractValidator<PaginationRequest>.When\(Func<PaginationRequest, ValidationContext<PaginationRequest>, bool>, Action\)](#) ,
[AbstractValidator<PaginationRequest>.Unless\(Func<PaginationRequest, bool>, Action\)](#) ,
[AbstractValidator<PaginationRequest>.Unless\(Func<PaginationRequest, ValidationContext<PaginationRequest>, bool>, Action\)](#) ,
[AbstractValidator<PaginationRequest>.WhenAsync\(Func<PaginationRequest, CancellationToken, Task<bool>>, Action\)](#) ,
[AbstractValidator<PaginationRequest>.WhenAsync\(Func<PaginationRequest, ValidationContext<PaginationRequest>, CancellationToken, Task<bool>>, Action\)](#) ,
[AbstractValidator<PaginationRequest>.UnlessAsync\(Func<PaginationRequest, CancellationToken, Task<bool>>, Action\)](#) ,
[AbstractValidator<PaginationRequest>.UnlessAsync\(Func<PaginationRequest, ValidationContext<PaginationRequest>, CancellationToken, Task<bool>>, Action\)](#) ,
AbstractValidator<PaginationRequest>.Include(IValidator<PaginationRequest>) ,
[AbstractValidator<PaginationRequest>.Include<TValidator>\(Func<PaginationRequest, TValidator>\)](#) ,
AbstractValidator<PaginationRequest>.GetEnumerator() ,
[AbstractValidator<PaginationRequest>.EnsureInstanceNotNull\(object\)](#) ,
AbstractValidator<PaginationRequest>.PreValidate(ValidationContext<PaginationRequest>, ValidationResult) ,
AbstractValidator<PaginationRequest>.RaiseValidationException(ValidationContext<PaginationRequest>, ValidationResult) ,
AbstractValidator<PaginationRequest>.CascadeMode ,
AbstractValidator<PaginationRequest>.ClassLevelCascadeMode ,
AbstractValidator<PaginationRequest>.RuleLevelCascadeMode , [object.Equals\(object\)](#) ,
[object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Constructors

PaginationRequestValidator(PaginationOptions)

```
public PaginationRequestValidator(PaginationOptions paginationOptions)
```

Parameters

paginationOptions [PaginationOptions](#)

Class ServiceCollectionExtensions

Namespace: [Pagination](#)

Assembly: Pagination.dll

```
public static class ServiceCollectionExtensions
```

Inheritance

[object](#) ← ServiceCollectionExtensions

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Methods

AddPagination(IServiceCollection, IConfiguration)

```
public static IServiceCollection AddPagination(this IServiceCollection services,  
IConfiguration configuration)
```

Parameters

services [IServiceCollection](#)

configuration [IConfiguration](#)

Returns

[IServiceCollection](#)

Namespace Resilience

Classes

[ResilienceConfiguration](#)

[ResilienceHelpers](#)

[ResiliencePipelineConfiguration](#)

[ServiceCollectionExtensions](#)

Class ResilienceConfiguration

Namespace: [Resilience](#)

Assembly: Resilience.dll

```
public static class ResilienceConfiguration
```

Inheritance

[object](#) ← ResilienceConfiguration

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

DEFAULT_RESILIENCE_PIPELINE_SECTION

```
public static string DEFAULT_RESILIENCE_PIPELINE_SECTION { get; }
```

Property Value

[string](#)

Class ResilienceHelpers

Namespace: [Resilience](#)

Assembly: Resilience.dll

```
public static class ResilienceHelpers
```

Inheritance

[object](#) ← ResilienceHelpers

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Methods

ConfigureResiliencePipeline(ResiliencePipelineBuilder,
AddResiliencePipelineContext<string>,
ResiliencePipelineConfiguration)

```
public static void ConfigureResiliencePipeline(ResiliencePipelineBuilder builder,  
AddResiliencePipelineContext<string> context, ResiliencePipelineConfiguration  
config)
```

Parameters

builder [ResiliencePipelineBuilder](#)

context [AddResiliencePipelineContext<string>](#)

config [ResiliencePipelineConfiguration](#)

Class ResiliencePipelineConfiguration

Namespace: [Resilience](#)

Assembly: Resilience.dll

```
public class ResiliencePipelineConfiguration
```

Inheritance

[object](#) ← ResiliencePipelineConfiguration

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

CircuitFailureRatio

```
public float CircuitFailureRatio { get; set; }
```

Property Value

[float](#)

CircuitMinimumThroughput

```
public int CircuitMinimumThroughput { get; set; }
```

Property Value

[int](#)

CircuitWaitInSeconds

```
public int CircuitWaitInSeconds { get; set; }
```

Property Value

[int](#)

MaxRetryCount

```
public int MaxRetryCount { get; set; }
```

Property Value

[int](#)

RetryWaitInSeconds

```
public int RetryWaitInSeconds { get; set; }
```

Property Value

[int](#)

Class ServiceCollectionExtensions

Namespace: [Resilience](#)

Assembly: Resilience.dll

```
public static class ServiceCollectionExtensions
```

Inheritance

[object](#) ← ServiceCollectionExtensions

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Methods

AddDefaultResiliencePipeline(IServiceCollection, IConfiguration, string)

```
public static IServiceCollection AddDefaultResiliencePipeline(this  
IServiceCollection services, IConfiguration configuration, string defaultName  
= "Default")
```

Parameters

services [IServiceCollection](#)

configuration [IConfiguration](#)

defaultName [string](#)

Returns

[IServiceCollection](#)

Namespace Shared

Classes

[ApplicationBuilderExtensions](#)

[Extensions](#)

[ServiceCollectionExtensions](#)

Class ApplicationBuilderExtensions

Namespace: [Shared](#)

Assembly: Shared.dll

```
public static class ApplicationBuilderExtensions
```

Inheritance

[object](#) ← ApplicationBuilderExtensions

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Methods

UseSharedMiddleware(IApplicationBuilder)

```
public static IApplicationBuilder UseSharedMiddleware(this  
IApplicationBuilder builder)
```

Parameters

builder [IApplicationBuilder](#)

Returns

[IApplicationBuilder](#)

UseSwagger(IApplicationBuilder, string)

```
public static IApplicationBuilder UseSwagger(this IApplicationBuilder builder,  
string title)
```

Parameters

builder [IApApplicationBuilder](#)

title [string](#)

Returns

[IApApplicationBuilder](#)

Class Extensions

Namespace: [Shared](#)

Assembly: Shared.dll

```
public static class Extensions
```

Inheritance

[object](#) ↗ ← Extensions

Inherited Members

[object.Equals\(object\)](#) ↗ , [object.Equals\(object, object\)](#) ↗ , [object.GetHashCode\(\)](#) ↗ ,
[object.GetType\(\)](#) ↗ , [object.MemberwiseClone\(\)](#) ↗ , [object.ReferenceEquals\(object, object\)](#) ↗ ,
[object.ToString\(\)](#) ↗

Methods

TryToDeserialize<T>(string?, out T?)

```
public static bool TryToDeserialize<T>(this string? message, out T? obj)
```

Parameters

message [string](#) ↗

obj T

Returns

[bool](#) ↗

Type Parameters

T

Class ServiceCollectionExtensions

Namespace: [Shared](#)

Assembly: Shared.dll

```
public static class ServiceCollectionExtensions
```

Inheritance

[object](#) ← ServiceCollectionExtensions

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Methods

AddApplicationCors(IServiceCollection, IConfiguration, string, bool)

```
public static IServiceCollection AddApplicationCors(this IServiceCollection services, IConfiguration configuration, string allowSpecificOrigins, bool isDevelopment)
```

Parameters

services [IServiceCollection](#)

configuration [IConfiguration](#)

allowSpecificOrigins [string](#)

isDevelopment [bool](#)

Returns

[IServiceCollection](#)

AddCustomHttpClientServiceWithResilience(IServiceCollection, IConfiguration)

```
public static IServiceCollection AddCustomHttpClientServiceWithResilience(this  
IServiceCollection services, IConfiguration configuration)
```

Parameters

services [IServiceCollection](#)

configuration [IConfiguration](#)

Returns

[IServiceCollection](#)

AddSharedFluentValidation(IServiceCollection, Type)

```
public static IServiceCollection AddSharedFluentValidation(this IServiceCollection  
services, Type type)
```

Parameters

services [IServiceCollection](#)

type [Type](#)

Returns

[IServiceCollection](#)

AddSwagger(IServiceCollection, string)

```
public static IServiceCollection AddSwagger(this IServiceCollection services,  
string title)
```

Parameters

`services` [IServiceCollection](#)

`title` [string](#)

Returns

[IServiceCollection](#)

Namespace Shared.Configurations

Classes

[SharedConfiguration](#)

Class SharedConfiguration

Namespace: [Shared.Configurations](#)

Assembly: Shared.dll

```
public static class SharedConfiguration
```

Inheritance

[object](#) ← SharedConfiguration

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

ALLOWED_CORS_ORIGINS

```
public static string ALLOWED_CORS_ORIGINS { get; }
```

Property Value

[string](#)

HTTP_CLIENT_RESILIENCE_PIPELINE

```
public static string HTTP_CLIENT_RESILIENCE_PIPELINE { get; }
```

Property Value

[string](#)

Namespace Shared.Helpers

Classes

[HashHelper](#)

[HttpHelper](#)

Interfaces

[IHttpHelper](#)

Class HashHelper

Namespace: [Shared.Helpers](#)

Assembly: Shared.dll

```
public static class HashHelper
```

Inheritance

[object](#) ← HashHelper

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Methods

ComputeHash(string)

```
public static string ComputeHash(string str)
```

Parameters

str [string](#)

Returns

[string](#)

Class HttpHelper

Namespace: [Shared.Helpers](#)

Assembly: Shared.dll

```
public class HttpHelper : IHttpHelper
```

Inheritance

[object](#) ← HttpHelper

Implements

[IHttpHelper](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

HttpHelper(IHttpClientFactory)

```
public HttpHelper(IHttpClientFactory httpClientFactory)
```

Parameters

httpClientFactory [IHttpClientFactory](#)

Methods

SendGetRequestAsync<T>(string, Dictionary<string, string>?, string?, CancellationToken)

```
public Task<T?> SendGetRequestAsync<T>(string endpoint, Dictionary<string, string>?  
queryParams = null, string? accessToken = null, CancellationToken cancellationToken
```

```
= default)
```

Parameters

endpoint [string](#)

queryParams [Dictionary](#)<[string](#), [string](#)>

accessToken [string](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<T>

Type Parameters

T

SendPostRequestAsync<T>(string, Dictionary<string, string>, string?, CancellationToken)

```
public Task<T?> SendPostRequestAsync<T>(string endpoint, Dictionary<string, string> bodyParams, string? accessToken = null, CancellationToken cancellationToken = default)
```

Parameters

endpoint [string](#)

bodyParams [Dictionary](#)<[string](#), [string](#)>

accessToken [string](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<T>

Type Parameters

T

SendPostRequestAsync<T>(string, string, string?, CancellationToken)

```
public Task<T?> SendPostRequestAsync<T>(string endpoint, string json, string?  
accessToken = null, CancellationToken cancellationToken = default)
```

Parameters

endpoint [string](#)

json [string](#)

accessToken [string](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<T>

Type Parameters

T

SendPutRequestAsync(string, string, Dictionary<string, string>?, string?, CancellationToken)

```
public Task SendPutRequestAsync(string endpoint, string jsonBody, Dictionary<string,  
string>? queryParams = null, string? accessToken = null, CancellationToken  
cancellationToken = default)
```

Parameters

endpoint [string](#)

jsonBody [string](#)

queryParams [Dictionary](#)<[string](#), [string](#)>

accessToken [string](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)

Interface IHttpHelper

Namespace: [Shared.Helpers](#)

Assembly: Shared.dll

```
public interface IHttpHelper
```

Methods

`SendGetRequestAsync<T>(string, Dictionary<string, string>?, string?, CancellationToken)`

```
Task<T?> SendGetRequestAsync<T>(string endpoint, Dictionary<string, string>?
queryParams = null, string? accessToken = null, CancellationToken cancellationToken
= default)
```

Parameters

`endpoint` [string](#)

`queryParams` [Dictionary](#)<[string](#), [string](#)>

`accessToken` [string](#)

`cancellationToken` [CancellationToken](#)

Returns

[Task](#)<T>

Type Parameters

T

`SendPostRequestAsync<T>(string, Dictionary<string, string>, string?, CancellationToken)`

```
Task<T?> SendPostRequestAsync<T>(string endpoint, Dictionary<string, string> bodyParams, string? accessToken = null, CancellationToken cancellationToken = default)
```

Parameters

endpoint [string](#)

bodyParams [Dictionary](#)<[string](#), [string](#)>

accessToken [string](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<T>

Type Parameters

T

SendPostRequestAsync<T>(string, string, string?, CancellationToken)

```
Task<T?> SendPostRequestAsync<T>(string endpoint, string json, string? accessToken = null, CancellationToken cancellationToken = default)
```

Parameters

endpoint [string](#)

json [string](#)

accessToken [string](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#) <T>

Type Parameters

T

SendPutRequestAsync(string, string, Dictionary<string, string>?, string?, CancellationToken)

```
Task SendPutRequestAsync(string endpoint, string jsonBody, Dictionary<string, string>? queryParams = null, string? accessToken = null, CancellationToken cancellationToken = default)
```

Parameters

endpoint [string](#)

jsonBody [string](#)

queryParams [Dictionary](#)<[string](#), [string](#)>

accessToken [string](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)

Namespace Shared.Repositories

Classes

[DatabaseRepository<TContext>](#)

Interfaces

[IDatabaseRepository<TContext>](#)

Class DatabaseRepository<TContext>

Namespace: [Shared.Repositories](#)

Assembly: DatabaseControl.dll

```
public class DatabaseRepository<TContext> : IDatabaseRepository<TContext> where  
TContext : DbContext
```

Type Parameters

TContext

Inheritance

[object](#) ← DatabaseRepository<TContext>

Implements

[IDatabaseRepository](#)<TContext>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

DatabaseRepository(IDbContextFactory<TContext>,
ResiliencePipelineProvider<string>)

```
public DatabaseRepository(IDbContextFactory<TContext> dbContextFactory,  
ResiliencePipelineProvider<string> resiliencePipelineProvider)
```

Parameters

dbContextFactory [IDbContextFactory](#)<TContext>

resiliencePipelineProvider [ResiliencePipelineProvider](#)<string>

Methods

AddAsync<T>(T, CancellationToken)

```
public Task<T> AddAsync<T>(T obj, CancellationToken cancellationToken) where T : class
```

Parameters

obj T

cancellationToken [CancellationToken](#)

Returns

[Task](#)<T>

Type Parameters

T

CreateDbContextAsync(CancellationToken)

```
protected Task<TContext> CreateDbContextAsync(CancellationToken cancellationToken)
```

Parameters

cancellationToken [CancellationToken](#)

Returns

[Task](#)<TContext>

DeleteAsync<T>(T, CancellationToken)

```
public Task DeleteAsync<T>(T obj, CancellationToken cancellationToken) where T : class
```

Parameters

obj T

cancellationToken [CancellationToken](#)

Returns

[Task](#)

Type Parameters

T

GetQueryableAsync<T>(CancellationToken)

```
public Task<IQueryable<T>> GetQueryableAsync<T>(CancellationToken cancellationToken)  
where T : class
```

Parameters

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[IQueryable](#)<T>>

Type Parameters

T

MigrateDatabaseAsync(CancellationToken)

```
public Task MigrateDatabaseAsync(CancellationToken cancellationToken)
```

Parameters

cancellationToken [CancellationToken](#)

Returns

[Task](#)

UpdateAsync<T>(T, CancellationToken)

```
public Task<T> UpdateAsync<T>(T obj, CancellationToken cancellationToken) where T : class
```

Parameters

obj T

cancellationToken [CancellationToken](#)

Returns

[Task](#)<T>

Type Parameters

T

UpdateRangeAsync<T>(IEnumerable<T>, CancellationToken)

```
public Task UpdateRangeAsync<T>(IEnumerable<T> obj, CancellationToken cancellationToken) where T : class
```

Parameters

obj [IEnumerable](#)<T>

cancellationToken [CancellationToken](#)

Returns

Task ↗

Type Parameters

T

Interface IDatabaseRepository<TContext>

Namespace: [Shared.Repositories](#)

Assembly: DatabaseControl.dll

```
public interface IDatabaseRepository<TContext> where TContext : DbContext
```

Type Parameters

TContext

Methods

AddAsync<T>(T, CancellationToken)

```
Task<T> AddAsync<T>(T obj, CancellationToken cancellationToken) where T : class
```

Parameters

obj T

cancellationToken [CancellationToken](#)

Returns

[Task](#)<T>

Type Parameters

T

DeleteAsync<T>(T, CancellationToken)

```
Task DeleteAsync<T>(T obj, CancellationToken cancellationToken) where T : class
```

Parameters

obj T

cancellationToken [CancellationToken](#)

Returns

[Task](#)

Type Parameters

T

GetQueryableAsync<T>(CancellationToken)

```
Task<IQueryable<T>> GetQueryableAsync<T>(CancellationToken cancellationToken) where  
T : class
```

Parameters

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[IQueryable](#)<T>>

Type Parameters

T

MigrateDatabaseAsync(CancellationToken)

```
Task MigrateDatabaseAsync(CancellationToken cancellationToken)
```

Parameters

cancellationToken [CancellationToken](#)

Returns

[Task](#)

UpdateAsync<T>(T, CancellationToken)

Task<T> UpdateAsync<T>(T obj, CancellationToken cancellationToken) **where T : class**

Parameters

obj T

cancellationToken [CancellationToken](#)

Returns

[Task](#)<T>

Type Parameters

T

UpdateRangeAsync<T>(IEnumerable<T>, CancellationToken)

Task UpdateRangeAsync<T>(IEnumerable<T> obj, CancellationToken cancellationToken)
where T : class

Parameters

obj [IEnumerable](#)<T>

cancellationToken [CancellationToken](#)

Returns

[Task](#)

Type Parameters

T

Namespace ShopApi

Classes

[AutoMapperProfile](#)

[Configuration](#)

[GetLibraryEntityHelper](#)

[LibraryConfiguration](#)

[Utilities](#)

Class AutoMapperProfile

Namespace: [ShopApi](#)

Assembly: ShopApi.dll

```
public class AutoMapperProfile : Profile, IProfileExpression, IProfileConfiguration
```

Inheritance

[object](#) ← Profile ← AutoMapperProfile

Implements

IProfileExpression, IProfileConfiguration

Inherited Members

Profile.DisableConstructorMapping() , Profile.CreateProjection<TSource, TDestination>() ,
Profile.CreateProjection<TSource, TDestination>(MemberList) ,
Profile.CreateMap<TSource, TDestination>() ,
Profile.CreateMap<TSource, TDestination>(MemberList) , [Profile.CreateMap\(Type, Type\)](#) ,
[Profile.CreateMap\(Type, Type, MemberList\)](#) , Profile.ClearPrefixes() ,
[Profile.ReplaceMemberName\(string, string\)](#) , [Profile.RecognizePrefixes\(params string\[\]\)](#) ,
[Profile.RecognizePostfixes\(params string\[\]\)](#) ,
[Profile.RecognizeDestinationPrefixes\(params string\[\]\)](#) ,
[Profile.RecognizeDestinationPostfixes\(params string\[\]\)](#) , [Profile.AddGlobalIgnore\(string\)](#) ,
[Profile.IncludeSourceExtensionMethods\(Type\)](#) , Profile.ProfileName ,
Profile.AllowNullDestinationValues , Profile.AllowNullCollections ,
Profile.ShouldMapProperty , Profile.ShouldMapField , Profile.ShouldMapMethod ,
Profile.ShouldUseConstructor , Profile.SourceMemberNamingConvention ,
Profile.DestinationMemberNamingConvention , Profile.ValueTransformers ,
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

AutoMapperProfile()

```
public AutoMapperProfile()
```

Class Configuration

Namespace: [ShopApi](#)

Assembly: ShopApi.dll

```
public static class Configuration
```

Inheritance

[object](#) ← Configuration

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

CHAT_CONFIGURATION_SECTION

```
public static string CHAT_CONFIGURATION_SECTION { get; }
```

Property Value

[string](#)

CHAT_RESILIENCE_PIPELINE

```
public static string CHAT_RESILIENCE_PIPELINE { get; }
```

Property Value

[string](#)

DEFAULT_RESILIENCE_PIPELINE

```
public static string DEFAULT_RESILIENCE_PIPELINE { get; }
```

Property Value

[string](#)

EF_CREATE_DATABASE

```
public static string EF_CREATE_DATABASE { get; }
```

Property Value

[string](#)

LIBRARY_API_URL

```
public static string LIBRARY_API_URL { get; }
```

Property Value

[string](#)

SHOP_DATABASE_CONNECTION_STRING

```
public static string SHOP_DATABASE_CONNECTION_STRING { get; }
```

Property Value

[string](#)

SHOP_MAX_ORDER_AMOUNT

```
public static string SHOP_MAX_ORDER_AMOUNT { get; }
```

Property Value

[string](#) ↗

Class GetLibraryEntityHelper

Namespace: [ShopApi](#)

Assembly: ShopApi.dll

```
public static class GetLibraryEntityHelper
```

Inheritance

[object](#) ← GetLibraryEntityHelper

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Methods

GetBookResponsesForIdsAsync(IEnumerable<int>, ILibraryService, CancellationToken)

```
public static Task<IEnumerable<BookResponse>>
GetBookResponsesForIdsAsync(IEnumerable<int> ids, ILibraryService libraryService,
CancellationToken cancellationToken)
```

Parameters

ids [IEnumerable](#)<[int](#)>

libraryService [ILibraryService](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[IEnumerable](#)<[BookResponse](#)>>

GetCartResponseWithBooksAsync(Cart, ILibraryService, IMapper, CancellationToken)

```
public static Task<CartResponse> GetCartResponseWithBooksAsync(Cart cart,  
ILibraryService libraryService, IMapper mapper, CancellationToken cancellationToken)
```

Parameters

cart [Cart](#)

libraryService [ILibraryService](#)

mapper [IMapper](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#) <[CartResponse](#)>

GetOrderResponsesWithBooksAsync(IEnumerable<Order>, ILibraryService, IMapper, CancellationToken)

```
public static Task<IEnumerable<OrderResponse>>  
GetOrderResponsesWithBooksAsync(IEnumerable<Order> orders, ILibraryService  
libraryService, IMapper mapper, CancellationToken cancellationToken)
```

Parameters

orders [IEnumerable](#) <[Order](#)>

libraryService [ILibraryService](#)

mapper [IMapper](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#) <[IEnumerable](#) <[OrderResponse](#)>>

GetStockBookOrderResponseWithBooksAsync(IEnumerable<StockBookOrder>, ILibraryService, IMapper, CancellationToken)

```
public static Task<IEnumerable<StockBookOrderResponse>>
GetStockBookOrderResponseWithBooksAsync(IEnumerable<StockBookOrder> orders,
ILibraryService libraryService, IMapper mapper, CancellationToken cancellationToken)
```

Parameters

orders [IEnumerable](#)<[StockBookOrder](#)>

libraryService [ILibraryService](#)

mapper [IMapper](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[IEnumerable](#)<[StockBookOrderResponse](#)>>

Class LibraryConfiguration

Namespace: [ShopApi](#)

Assembly: ShopApi.dll

```
public static class LibraryConfiguration
```

Inheritance

[object](#) ← LibraryConfiguration

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

LIBRARY_API_GET_BOOKS_BY_IDS_ENDPOINT

```
public static string LIBRARY_API_GET_BOOKS_BY_IDS_ENDPOINT { get; }
```

Property Value

[string](#)

LIBRARY_API_RAISE_BOOK_POPULARITY_ENDPOINT

```
public static string LIBRARY_API_RAISE_BOOK_POPULARITY_ENDPOINT { get; }
```

Property Value

[string](#)

LIBRARY_API_UPDATE_STOCK_AMOUNT_ENDPOINT

```
public static string LIBRARY_API_UPDATE_STOCK_AMOUNT_ENDPOINT { get; }
```

Property Value

[string](#) ↗

Class Utilities

Namespace: [ShopApi](#)

Assembly: ShopApi.dll

```
public static class Utilities
```

Inheritance

[object](#) ← Utilities

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Methods

GetUserId(ClaimsPrincipal)

```
public static string GetUserId(ClaimsPrincipal principal)
```

Parameters

principal [ClaimsPrincipal](#)

Returns

[string](#)

Namespace ShopApi.Controllers

Classes

[AdvisorController](#)

[CartController](#)

[ClientController](#)

[OrderController](#)

[StatisticsController](#)

[StockBookOrderController](#)

Class AdvisorController

Namespace: [ShopApi.Controllers](#)

Assembly: ShopApi.dll

```
[Route("advisor")]
[ApiController]
public class AdvisorController : ControllerBase
```

Inheritance

[object](#) ← [ControllerBase](#) ← AdvisorController

Inherited Members

[ControllerBase.StatusCode\(int\)](#) , [ControllerBase.StatusCode\(int, object\)](#) ,
[ControllerBase.Content\(string\)](#) , [ControllerBase.Content\(string, string\)](#) ,
[ControllerBase.Content\(string, string, Encoding\)](#) ,
[ControllerBase.Content\(string, MediaTypeHeaderValue\)](#) , [ControllerBase.NoContent\(\)](#) ,
[ControllerBase.Ok\(\)](#) , [ControllerBase.Ok\(object\)](#) , [ControllerBase.Redirect\(string\)](#) ,
[ControllerBase.RedirectPermanent\(string\)](#) ,
[ControllerBase.RedirectPreserveMethod\(string\)](#) ,
[ControllerBase.RedirectPermanentPreserveMethod\(string\)](#) ,
[ControllerBase.LocalRedirect\(string\)](#) , [ControllerBase.LocalRedirectPermanent\(string\)](#) ,
[ControllerBase.LocalRedirectPreserveMethod\(string\)](#) ,
[ControllerBase.LocalRedirectPermanentPreserveMethod\(string\)](#) ,
[ControllerBase.RedirectToAction\(\)](#) , [ControllerBase.RedirectToAction\(string\)](#) ,
[ControllerBase.RedirectToAction\(string, object\)](#) ,
[ControllerBase.RedirectToAction\(string, string\)](#) ,
[ControllerBase.RedirectToAction\(string, string, object\)](#) ,
[ControllerBase.RedirectToAction\(string, string, string\)](#) ,
[ControllerBase.RedirectToAction\(string, string, object, string\)](#) ,
[ControllerBase.RedirectToActionPreserveMethod\(string, string, object, string\)](#) ,
[ControllerBase.RedirectToActionPermanent\(string\)](#) ,
[ControllerBase.RedirectToActionPermanent\(string, object\)](#) ,
[ControllerBase.RedirectToActionPermanent\(string, string\)](#) ,
[ControllerBase.RedirectToActionPermanent\(string, string, string\)](#) ,
[ControllerBase.RedirectToActionPermanent\(string, string, object\)](#) ,
[ControllerBase.RedirectToActionPermanent\(string, string, object, string\)](#) ,
[ControllerBase.RedirectToActionPermanentPreserveMethod\(string, string, object, string\)](#) ,
[ControllerBase.RedirectToRoute\(string\)](#) , [ControllerBase.RedirectToRoute\(object\)](#) ,

[ControllerBase.RedirectToRoute\(string, object\)](#) ,
 [ControllerBase.RedirectToRoute\(string, string\)](#) ,
 [ControllerBase.RedirectToRoute\(string, object, string\)](#) ,
 [ControllerBase.RedirectToRoutePreserveMethod\(string, object, string\)](#) ,
 [ControllerBase.RedirectToRoutePermanent\(string\)](#) ,
 [ControllerBase.RedirectToRoutePermanent\(object\)](#) ,
 [ControllerBase.RedirectToRoutePermanent\(string, object\)](#) ,
 [ControllerBase.RedirectToRoutePermanent\(string, string\)](#) ,
 [ControllerBase.RedirectToRoutePermanent\(string, object, string\)](#) ,
 [ControllerBase.RedirectToRoutePermanentPreserveMethod\(string, object, string\)](#) ,
 [ControllerBase.RedirectToPage\(string\)](#) , [ControllerBase.RedirectToPage\(string, object\)](#) ,
 [ControllerBase.RedirectToPage\(string, string\)](#) ,
 [ControllerBase.RedirectToPage\(string, string, object\)](#) ,
 [ControllerBase.RedirectToPage\(string, string, string\)](#) ,
 [ControllerBase.RedirectToPage\(string, string, object, string\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, object\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, string\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, string, string\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, string, object, string\)](#) ,
 [ControllerBase.RedirectToPagePreserveMethod\(string, string, object, string\)](#) ,
 [ControllerBase.RedirectToPagePermanentPreserveMethod\(string, string, object, string\)](#) ,
 [ControllerBase.File\(byte\[\], string\)](#) , [ControllerBase.File\(byte\[\], string, bool\)](#) ,
 [ControllerBase.File\(byte\[\], string, string\)](#) ,
 [ControllerBase.File\(byte\[\], string, string, bool\)](#) ,
 [ControllerBase.File\(byte\[\], string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(byte\[\], string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(byte\[\], string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(byte\[\], string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(Stream, string\)](#) , [ControllerBase.File\(Stream, string, bool\)](#) ,
 [ControllerBase.File\(Stream, string, string\)](#) ,
 [ControllerBase.File\(Stream, string, string, bool\)](#) ,
 [ControllerBase.File\(Stream, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
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 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, params Expression<Func<TModel, object>>\[\]\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, Func<ModelMetadata, bool>\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, params Expression<Func<TModel, object>>\[\]\)](#) ,
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 [ControllerBase.ModelState](#) , [ControllerBase.ControllerContext](#) ,
 [ControllerBase.MetadataProvider](#) , [ControllerBase.ModelBinderFactory](#) ,
 [ControllerBase.Url](#) , [ControllerBase.ObjectValidator](#) ,
 [ControllerBase.ProblemDetailsFactory](#) , [ControllerBase.User](#) , [ControllerBase.Empty](#) ,
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 [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
 [object.ToString\(\)](#)

Constructors

AdvisorController(IAdvisorService, IMapper)

```
public AdvisorController(IAdvisorService advisorService, IMapper mapper)
```

Parameters

advisorService [IAdvisorService](#)

mapper IMapper

Methods

SendQuery(AdvisorQueryRequest, CancellationToken)

```
[HttpPost]
[OutputCache(PolicyName = "AdvisorPolicy")]
public Task<ActionResult<AdvisorResponse?>> SendQuery(AdvisorQueryRequest request,
CancellationToken cancellationToken)
```

Parameters

request [AdvisorQueryRequest](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#) <[ActionResult](#) <[AdvisorResponse](#)>>

Class CartController

Namespace: [ShopApi.Controllers](#)

Assembly: ShopApi.dll

```
[Authorize(Policy = "RequireClientRole")]
[Route("cart")]
[ApiController]
public class CartController : ControllerBase
```

Inheritance

[object](#) ← [ControllerBase](#) ← CartController

Inherited Members

[ControllerBase.StatusCode\(int\)](#) , [ControllerBase.StatusCode\(int, object\)](#) ,
[ControllerBase.Content\(string\)](#) , [ControllerBase.Content\(string, string\)](#) ,
[ControllerBase.Content\(string, string, Encoding\)](#) ,
[ControllerBase.Content\(string, MediaTypeHeaderValue\)](#) , [ControllerBase.NoContent\(\)](#) ,
[ControllerBase.Ok\(\)](#) , [ControllerBase.Ok\(object\)](#) , [ControllerBase.Redirect\(string\)](#) ,
[ControllerBase.RedirectPermanent\(string\)](#) ,
[ControllerBase.RedirectPreserveMethod\(string\)](#) ,
[ControllerBase.RedirectPermanentPreserveMethod\(string\)](#) ,
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 [ControllerBase.ValidationProblem\(\)](#) ,
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 [ControllerBase.ProblemDetailsFactory](#) , [ControllerBase.User](#) , [ControllerBase.Empty](#) ,
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 [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
 [object.ToString\(\)](#)

Constructors

CartController(IMediator)

```
public CartController(IMediator mediator)
```

Parameters

mediator IMediator

Methods

AddBookToCart(AddBookToCartRequest, CancellationToken)

```
[HttpPost("cartbook")]
public Task<ActionResult<CartBookResponse>> AddBookToCart(AddBookToCartRequest
request, CancellationToken cancellationToken)
```

Parameters

request [AddBookToCartRequest](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[ActionResult](#)<[CartBookResponse](#)>>

DeleteBooksFromCart(List<DeleteCartBookFromCartRequest>, CancellationToken)

```
[HttpPut]
public Task<ActionResult<CartResponse>>
DeleteBooksFromCart(List<DeleteCartBookFromCartRequest> requests,
cancellationToken cancellationToken)
```

Parameters

requests [List](#)<[DeleteCartBookFromCartRequest](#)>
cancellationToken [CancellationToken](#)

Returns

[Task](#)<[ActionResult](#)<[CartResponse](#)>>

GetCart(CancellationToken)

```
[HttpGet]  
[OutputCache(PolicyName = "CartPolicy")]  
public Task<ActionResult<CartResponse>> GetCart(CancellationToken cancellationToken)
```

Parameters

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[ActionResult](#)<[CartResponse](#)>>

GetInCartAmount(CancellationToken)

```
[HttpGet("amount")]  
[OutputCache(PolicyName = "CartPolicy")]  
public Task<ActionResult<int>> GetInCartAmount(CancellationToken cancellationToken)
```

Parameters

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[ActionResult](#)<[int](#)>>>

UpdateCartBookInCart(UpdateCartBookRequest, CancellationToken)

```
[HttpPut("cartbook")]
public Task<ActionResult<CartBookResponse>>
UpdateCartBookInCart(UpdateCartBookRequest request, CancellationToken
cancellationToken)
```

Parameters

request [UpdateCartBookRequest](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[ActionResult](#)<[CartBookResponse](#)>>

Class ClientController

Namespace: [ShopApi.Controllers](#)

Assembly: ShopApi.dll

```
[Authorize(Policy = "RequireClientRole")]
[Route("client")]
[ApiController]
public class ClientController : ControllerBase
```

Inheritance

[object](#) ← [ControllerBase](#) ← ClientController

Inherited Members

[ControllerBase.StatusCode\(int\)](#) , [ControllerBase.StatusCode\(int, object\)](#) ,
[ControllerBase.Content\(string\)](#) , [ControllerBase.Content\(string, string\)](#) ,
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[ControllerBase.Content\(string, MediaTypeHeaderValue\)](#) , [ControllerBase.NoContent\(\)](#) ,
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[ControllerBase.RedirectToAction\(string, string, object, string\)](#) ,
[ControllerBase.RedirectToActionPreserveMethod\(string, string, object, string\)](#) ,
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[ControllerBase.RedirectToActionPermanent\(string, string, object\)](#) ,
[ControllerBase.RedirectToActionPermanent\(string, string, object, string\)](#) ,
[ControllerBase.RedirectToActionPermanentPreserveMethod\(string, string, object, string\)](#) ,

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 [ControllerBase.RedirectToRoute\(string, object, string\)](#) ,
 [ControllerBase.RedirectToRoutePreserveMethod\(string, object, string\)](#) ,
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 [ControllerBase.RedirectToRoutePermanent\(object\)](#) ,
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 [ControllerBase.RedirectToRoutePermanent\(string, string\)](#) ,
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 [ControllerBase.RedirectToRoutePermanentPreserveMethod\(string, object, string\)](#) ,
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 [ControllerBase.ValidationProblem\(\)](#) ,
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 [ControllerBase.CreatedAtRoute\(string, object, object\)](#) , [ControllerBase.Accepted\(\)](#) ,
 [ControllerBase.Accepted\(object\)](#) , [ControllerBase.Accepted\(Uri\)](#) ,
 [ControllerBase.Accepted\(string\)](#) , [ControllerBase.Accepted\(string, object\)](#) ,
 [ControllerBase.Accepted\(Uri, object\)](#) , [ControllerBase.AcceptedAtAction\(string\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, string\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, object\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, string, object\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, object, object\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, string, object, object\)](#) ,

[ControllerBase.AcceptedAtRoute\(object\)](#) , [ControllerBase.AcceptedAtRoute\(string\)](#) ,
 [ControllerBase.AcceptedAtRoute\(string, object\)](#) ,
 [ControllerBase.AcceptedAtRoute\(object, object\)](#) ,
 [ControllerBase.AcceptedAtRoute\(string, object, object\)](#) , [ControllerBase.Challenge\(\)](#) ,
 [ControllerBase.Challenge\(params string\[\]\)](#) ,
 [ControllerBase.Challenge\(AuthenticationProperties\)](#) ,
 [ControllerBase.Challenge\(AuthenticationProperties, params string\[\]\)](#) ,
 [ControllerBase.Forbid\(\)](#) , [ControllerBase.Forbid\(params string\[\]\)](#) ,
 [ControllerBase.Forbid\(AuthenticationProperties\)](#) ,
 [ControllerBase.Forbid\(AuthenticationProperties, params string\[\]\)](#) ,
 [ControllerBase.SignIn\(ClaimsPrincipal\)](#) , [ControllerBase.SignIn\(ClaimsPrincipal, string\)](#) ,
 [ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties\)](#) ,
 [ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties, string\)](#) ,
 [ControllerBase.SignOut\(\)](#) , [ControllerBase.SignOut\(AuthenticationProperties\)](#) ,
 [ControllerBase.SignOut\(params string\[\]\)](#) ,
 [ControllerBase.SignOut\(AuthenticationProperties, params string\[\]\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, params Expression<Func<TModel, object>>\[\] \)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, Func<ModelMetadata, bool>\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, params Expression<Func<TModel, object>>\[\] \)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, Func<ModelMetadata, bool>\)](#) ,
 [ControllerBase.TryUpdateModelAsync\(object, Type, string\)](#) ,
 [ControllerBase.TryUpdateModelAsync\(object, Type, string, IValueProvider, Func<ModelMetadata, bool>\)](#) ,
 [ControllerBase.TryValidateModel\(object\)](#) ,
 [ControllerBase.TryValidateModel\(object, string\)](#) , [ControllerBase.HttpContext](#) ,
 [ControllerBase.Request](#) , [ControllerBase.Response](#) , [ControllerBase.RouteData](#) ,
 [ControllerBase.ModelState](#) , [ControllerBase.ControllerContext](#) ,
 [ControllerBase.MetadataProvider](#) , [ControllerBase.ModelBinderFactory](#) ,
 [ControllerBase.Url](#) , [ControllerBase.ObjectValidator](#) ,
 [ControllerBase.ProblemDetailsFactory](#) , [ControllerBase.User](#) , [ControllerBase.Empty](#) ,
 [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
 [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
 [object.ToString\(\)](#)

Constructors

ClientController(IMediator)

```
public ClientController(IMediator mediator)
```

Parameters

mediator IMediator

Methods

AdminCreateClient(string, CreateClientRequest, CancellationToken)

```
[Authorize(Policy = "RequireAdminRole")]
[HttpPost("admin/{userId}")]
public Task<ActionResult<ClientResponse>> AdminCreateClient(string userId,
CreateClientRequest request, CancellationToken cancellationToken)
```

Parameters

userId [string](#)

request [CreateClientRequest](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[ActionResult](#)<[ClientResponse](#)>>

AdminGetClient(string, CancellationToken)

```
[Authorize(Policy = "RequireAdminRole")]
[HttpGet("admin/{userId}")]
```

```
public Task<ActionResult<GetClientResponse>> AdminGetClient(string userId,  
CancellationToken cancellationToken)
```

Parameters

userId [string](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[ActionResult](#)<[GetClientResponse](#)>>

AdminUpdateClient(string, UpdateClientRequest, CancellationToken)

```
[Authorize(Policy = "RequireAdminRole")]  
[HttpPut("admin/{userId}")]  
public Task<ActionResult<ClientResponse>> AdminUpdateClient(string userId,  
UpdateClientRequest request, CancellationToken cancellationToken)
```

Parameters

userId [string](#)

request [UpdateClientRequest](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[ActionResult](#)<[ClientResponse](#)>>

CreateClient(CreateClientRequest, CancellationToken)

```
[HttpPost]  
public Task<ActionResult<ClientResponse>> CreateClient(CreateClientRequest request,  
CancellationToken cancellationToken)
```

Parameters

request [CreateClientRequest](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[ActionResult](#)<[ClientResponse](#)>>

GetClient(CancellationToken)

```
[HttpGet]  
[OutputCache(PolicyName = "ClientPolicy")]  
public Task<ActionResult<GetClientResponse>> GetClient(CancellationToken  
cancellationToken)
```

Parameters

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[ActionResult](#)<[GetClientResponse](#)>>

UpdateClient(UpdateClientRequest, CancellationToken)

```
[HttpPost]  
public Task<ActionResult<ClientResponse>> UpdateClient(UpdateClientRequest request,  
CancellationToken cancellationToken)
```

Parameters

request [UpdateClientRequest](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#) <[ActionResult](#)><[ClientResponse](#)>>

Class OrderController

Namespace: [ShopApi.Controllers](#)

Assembly: ShopApi.dll

```
[Authorize(Policy = "RequireClientRole")]
[Route("order")]
[ApiController]
public class OrderController : ControllerBase
```

Inheritance

[object](#) ← [ControllerBase](#) ← OrderController

Inherited Members

[ControllerBase.StatusCode\(int\)](#) , [ControllerBase.StatusCode\(int, object\)](#) ,
[ControllerBase.Content\(string\)](#) , [ControllerBase.Content\(string, string\)](#) ,
[ControllerBase.Content\(string, string, Encoding\)](#) ,
[ControllerBase.Content\(string, MediaTypeHeaderValue\)](#) , [ControllerBase.NoContent\(\)](#) ,
[ControllerBase.Ok\(\)](#) , [ControllerBase.Ok\(object\)](#) , [ControllerBase.Redirect\(string\)](#) ,
[ControllerBase.RedirectPermanent\(string\)](#) ,
[ControllerBase.RedirectPreserveMethod\(string\)](#) ,
[ControllerBase.RedirectPermanentPreserveMethod\(string\)](#) ,
[ControllerBase.LocalRedirect\(string\)](#) , [ControllerBase.LocalRedirectPermanent\(string\)](#) ,
[ControllerBase.LocalRedirectPreserveMethod\(string\)](#) ,
[ControllerBase.LocalRedirectPermanentPreserveMethod\(string\)](#) ,
[ControllerBase.RedirectToAction\(\)](#) , [ControllerBase.RedirectToAction\(string\)](#) ,
[ControllerBase.RedirectToAction\(string, object\)](#) ,
[ControllerBase.RedirectToAction\(string, string\)](#) ,
[ControllerBase.RedirectToAction\(string, string, object\)](#) ,
[ControllerBase.RedirectToAction\(string, string, string\)](#) ,
[ControllerBase.RedirectToAction\(string, string, object, string\)](#) ,
[ControllerBase.RedirectToActionPreserveMethod\(string, string, object, string\)](#) ,
[ControllerBase.RedirectToActionPermanent\(string\)](#) ,
[ControllerBase.RedirectToActionPermanent\(string, object\)](#) ,
[ControllerBase.RedirectToActionPermanent\(string, string\)](#) ,
[ControllerBase.RedirectToActionPermanent\(string, string, string\)](#) ,
[ControllerBase.RedirectToActionPermanent\(string, string, object\)](#) ,
[ControllerBase.RedirectToActionPermanent\(string, string, object, string\)](#) ,
[ControllerBase.RedirectToActionPermanentPreserveMethod\(string, string, object, string\)](#) ,

[ControllerBase.RedirectToRoute\(string\)](#) , [ControllerBase.RedirectToRoute\(object\)](#) ,
 [ControllerBase.RedirectToRoute\(string, object\)](#) ,
 [ControllerBase.RedirectToRoute\(string, string\)](#) ,
 [ControllerBase.RedirectToRoute\(string, object, string\)](#) ,
 [ControllerBase.RedirectToRoutePreserveMethod\(string, object, string\)](#) ,
 [ControllerBase.RedirectToRoutePermanent\(string\)](#) ,
 [ControllerBase.RedirectToRoutePermanent\(object\)](#) ,
 [ControllerBase.RedirectToRoutePermanent\(string, object\)](#) ,
 [ControllerBase.RedirectToRoutePermanent\(string, string\)](#) ,
 [ControllerBase.RedirectToRoutePermanent\(string, object, string\)](#) ,
 [ControllerBase.RedirectToRoutePermanentPreserveMethod\(string, object, string\)](#) ,
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 [ControllerBase.RedirectToPage\(string, string\)](#) ,
 [ControllerBase.RedirectToPage\(string, string, object\)](#) ,
 [ControllerBase.RedirectToPage\(string, string, string\)](#) ,
 [ControllerBase.RedirectToPage\(string, string, object, string\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, object\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, string\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, string, string\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, string, object, string\)](#) ,
 [ControllerBase.RedirectToPagePreserveMethod\(string, string, object, string\)](#) ,
 [ControllerBase.RedirectToPagePermanentPreserveMethod\(string, string, object, string\)](#) ,
 [ControllerBase.File\(byte\[\], string\)](#) , [ControllerBase.File\(byte\[\], string, bool\)](#) ,
 [ControllerBase.File\(byte\[\], string, string\)](#) ,
 [ControllerBase.File\(byte\[\], string, string, bool\)](#) ,
 [ControllerBase.File\(byte\[\], string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(byte\[\], string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(byte\[\], string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(byte\[\], string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(Stream, string\)](#) , [ControllerBase.File\(Stream, string, bool\)](#) ,
 [ControllerBase.File\(Stream, string, string\)](#) ,
 [ControllerBase.File\(Stream, string, string, bool\)](#) ,
 [ControllerBase.File\(Stream, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(Stream, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(Stream, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(Stream, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(string, string\)](#) , [ControllerBase.File\(string, string, bool\)](#) ,
 [ControllerBase.File\(string, string, string\)](#) , [ControllerBase.File\(string, string, string, bool\)](#) ,
 [ControllerBase.File\(string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,

[ControllerBase.File\(string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
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 [ControllerBase.PhysicalFile\(string, string\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, bool\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, string\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, string, bool\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.Unauthorized\(\)](#) , [ControllerBase.Unauthorized\(object\)](#) ,
 [ControllerBase.NotFound\(\)](#) , [ControllerBase.NotFound\(object\)](#) ,
 [ControllerBase.BadRequest\(\)](#) , [ControllerBase.BadRequest\(object\)](#) ,
 [ControllerBase.BadRequest\(ModelStateDictionary\)](#) ,
 [ControllerBase.UnprocessableEntity\(\)](#) , [ControllerBase.UnprocessableEntity\(object\)](#) ,
 [ControllerBase.UnprocessableEntity\(ModelStateDictionary\)](#) , [ControllerBase.Conflict\(\)](#) ,
 [ControllerBase.Conflict\(object\)](#) , [ControllerBase.Conflict\(ModelStateDictionary\)](#) ,
 [ControllerBase.Problem\(string, string, int?, string, string\)](#) ,
 [ControllerBase.ValidationProblem\(ValidationProblemDetails\)](#) ,
 [ControllerBase.ValidationProblem\(ModelStateDictionary\)](#) ,
 [ControllerBase.ValidationProblem\(\)](#) ,
 [ControllerBase.ValidationProblem\(string, string, int?, string, string, ModelStateDictionary\)](#) ,

 [ControllerBase.Created\(\)](#) , [ControllerBase.Created\(string, object\)](#) ,
 [ControllerBase.Created\(Uri, object\)](#) , [ControllerBase.CreatedAtAction\(string, object\)](#) ,
 [ControllerBase.CreatedAtAction\(string, object, object\)](#) ,
 [ControllerBase.CreatedAtAction\(string, string, object, object\)](#) ,
 [ControllerBase.CreatedAtRoute\(string, object\)](#) ,
 [ControllerBase.CreatedAtRoute\(object, object\)](#) ,
 [ControllerBase.CreatedAtRoute\(string, object, object\)](#) , [ControllerBase.Accepted\(\)](#) ,
 [ControllerBase.Accepted\(object\)](#) , [ControllerBase.Accepted\(Uri\)](#) ,
 [ControllerBase.Accepted\(string\)](#) , [ControllerBase.Accepted\(string, object\)](#) ,
 [ControllerBase.Accepted\(Uri, object\)](#) , [ControllerBase.AcceptedAtAction\(string\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, string\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, object\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, string, object\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, object, object\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, string, object, object\)](#) ,

[ControllerBase.AcceptedAtRoute\(object\)](#) , [ControllerBase.AcceptedAtRoute\(string\)](#) ,
 [ControllerBase.AcceptedAtRoute\(string, object\)](#) ,
 [ControllerBase.AcceptedAtRoute\(object, object\)](#) ,
 [ControllerBase.AcceptedAtRoute\(string, object, object\)](#) , [ControllerBase.Challenge\(\)](#) ,
 [ControllerBase.Challenge\(params string\[\]\)](#) ,
 [ControllerBase.Challenge\(AuthenticationProperties\)](#) ,
 [ControllerBase.Challenge\(AuthenticationProperties, params string\[\]\)](#) ,
 [ControllerBase.Forbid\(\)](#) , [ControllerBase.Forbid\(params string\[\]\)](#) ,
 [ControllerBase.Forbid\(AuthenticationProperties\)](#) ,
 [ControllerBase.Forbid\(AuthenticationProperties, params string\[\]\)](#) ,
 [ControllerBase.SignIn\(ClaimsPrincipal\)](#) , [ControllerBase.SignIn\(ClaimsPrincipal, string\)](#) ,
 [ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties\)](#) ,
 [ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties, string\)](#) ,
 [ControllerBase.SignOut\(\)](#) , [ControllerBase.SignOut\(AuthenticationProperties\)](#) ,
 [ControllerBase.SignOut\(params string\[\]\)](#) ,
 [ControllerBase.SignOut\(AuthenticationProperties, params string\[\]\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, params Expression<Func<TModel, object>>\[\] \)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, Func<ModelMetadata, bool>\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, params Expression<Func<TModel, object>>\[\] \)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, Func<ModelMetadata, bool>\)](#) ,
 [ControllerBase.TryUpdateModelAsync\(object, Type, string\)](#) ,
 [ControllerBase.TryUpdateModelAsync\(object, Type, string, IValueProvider, Func<ModelMetadata, bool>\)](#) ,
 [ControllerBase.TryValidateModel\(object\)](#) ,
 [ControllerBase.TryValidateModel\(object, string\)](#) , [ControllerBase.HttpContext](#) ,
 [ControllerBase.Request](#) , [ControllerBase.Response](#) , [ControllerBase.RouteData](#) ,
 [ControllerBase.ModelState](#) , [ControllerBase.ControllerContext](#) ,
 [ControllerBase.MetadataProvider](#) , [ControllerBase.ModelBinderFactory](#) ,
 [ControllerBase.Url](#) , [ControllerBase.ObjectValidator](#) ,
 [ControllerBase.ProblemDetailsFactory](#) , [ControllerBase.User](#) , [ControllerBase.Empty](#) ,
 [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
 [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
 [object.ToString\(\)](#)

Constructors

OrderController(IMediator)

```
public OrderController(IMediator mediator)
```

Parameters

mediator IMediator

Methods

CancelOrder(int, CancellationToken)

```
[HttpDelete("{id}")]
public Task<IActionResult> CancelOrder(int id, CancellationToken cancellationToken)
```

Parameters

id [int](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[IActionResult](#)>

CreateOrder(CreateOrderRequest, CancellationToken)

```
[HttpPost]
public Task<ActionResult<OrderResponse>> CreateOrder(CreateOrderRequest request,
CancellationToken cancellationToken)
```

Parameters

request [CreateOrderRequest](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[ActionResult](#)<[OrderResponse](#)>>

GetOrderAmount(GetOrdersFilter, CancellationToken)

```
[HttpPost("amount")]
[OutputCache(PolicyName = "OrderPaginationPolicy")]
public Task<ActionResult<int>> GetOrderAmount(GetOrdersFilter request,
CancellationToken cancellationToken)
```

Parameters

request [GetOrdersFilter](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[ActionResult](#)<[int](#)>>>

GetOrders(GetOrdersFilter, CancellationToken)

```
[HttpPost("pagination")]
[OutputCache(PolicyName = "OrderPaginationPolicy")]
public Task<ActionResult<IEnumerable<OrderResponse>>> GetOrders(GetOrdersFilter
request, CancellationToken cancellationToken)
```

Parameters

request [GetOrdersFilter](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[ActionResult](#)<[IEnumerable](#)<[OrderResponse](#)>>>

ManagerCancelOrder(int, CancellationToken)

```
[Authorize(Policy = "RequireManagerRole")]
[HttpDelete("manager/{id}")]
public Task<IActionResult> ManagerCancelOrder(int id, CancellationToken
cancellationToken)
```

Parameters

`id` [int](#)

`cancellationToken` [CancellationToken](#)

Returns

[Task](#)<[IActionResult](#)>

ManagerGetOrderAmount(GetOrdersFilter, CancellationToken)

```
[Authorize(Policy = "RequireManagerRole")]
[HttpPost("manager/amount")]
public Task<ActionResult<int>> ManagerGetOrderAmount(GetOrdersFilter request,
cancellationToken cancellationToken)
```

Parameters

`request` [GetOrdersFilter](#)

`cancellationToken` [CancellationToken](#)

Returns

[Task](#)<[ActionResult](#)<[int](#)>>

ManagerGetOrderById(int, CancellationToken)

```
[Authorize(Policy = "RequireManagerRole")]
[HttpGet("manager/{id}")]
public Task<ActionResult<OrderResponse>> ManagerGetOrderById(int id,
CancellationToken cancellationToken)
```

Parameters

`id` [int](#)

`cancellationToken` [CancellationToken](#)

Returns

[Task](#)<[ActionResult](#)<[OrderResponse](#)>>

ManagerGetPaginatedOrders(GetOrdersFilter, CancellationToken)

```
[Authorize(Policy = "RequireManagerRole")]
[HttpPost("manager/pagination")]
public Task<ActionResult<IEnumerable<OrderResponse>>>
ManagerGetPaginatedOrders(GetOrdersFilter request, CancellationToken
cancellationToken)
```

Parameters

`request` [GetOrdersFilter](#)

`cancellationToken` [CancellationToken](#)

Returns

[Task](#)<[ActionResult](#)<[IEnumerable](#)<[OrderResponse](#)>>>

ManagerUpdateOrder(ManagerUpdateOrderRequest, CancellationToken)

```
[Authorize(Policy = "RequireManagerRole")]
[HttpPut("manager")]
public Task<ActionResult<OrderResponse>>
ManagerUpdateOrder(ManagerUpdateOrderRequest request, CancellationToken
cancellationToken)
```

Parameters

request [ManagerUpdateOrderRequest](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[ActionResult](#)<[OrderResponse](#)>>

UpdateOrder(ClientUpdateOrderRequest, CancellationToken)

```
[HttpPatch]
public Task<ActionResult<OrderResponse>> UpdateOrder(ClientUpdateOrderRequest
request, CancellationToken cancellationToken)
```

Parameters

request [ClientUpdateOrderRequest](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[ActionResult](#)<[OrderResponse](#)>>

Class StatisticsController

Namespace: [ShopApi.Controllers](#)

Assembly: ShopApi.dll

```
[Authorize(Policy = "RequireManagerRole")]
[Route("statistics")]
[ApiController]
public class StatisticsController : ControllerBase
```

Inheritance

[object](#) ← [ControllerBase](#) ← StatisticsController

Inherited Members

[ControllerBase.StatusCode\(int\)](#) , [ControllerBase.StatusCode\(int, object\)](#) ,
[ControllerBase.Content\(string\)](#) , [ControllerBase.Content\(string, string\)](#) ,
[ControllerBase.Content\(string, string, Encoding\)](#) ,
[ControllerBase.Content\(string, MediaTypeHeaderValue\)](#) , [ControllerBase.NoContent\(\)](#) ,
[ControllerBase.Ok\(\)](#) , [ControllerBase.Ok\(object\)](#) , [ControllerBase.Redirect\(string\)](#) ,
[ControllerBase.RedirectPermanent\(string\)](#) ,
[ControllerBase.RedirectPreserveMethod\(string\)](#) ,
[ControllerBase.RedirectPermanentPreserveMethod\(string\)](#) ,
[ControllerBase.LocalRedirect\(string\)](#) , [ControllerBase.LocalRedirectPermanent\(string\)](#) ,
[ControllerBase.LocalRedirectPreserveMethod\(string\)](#) ,
[ControllerBase.LocalRedirectPermanentPreserveMethod\(string\)](#) ,
[ControllerBase.RedirectToAction\(\)](#) , [ControllerBase.RedirectToAction\(string\)](#) ,
[ControllerBase.RedirectToAction\(string, object\)](#) ,
[ControllerBase.RedirectToAction\(string, string\)](#) ,
[ControllerBase.RedirectToAction\(string, string, object\)](#) ,
[ControllerBase.RedirectToAction\(string, string, string\)](#) ,
[ControllerBase.RedirectToAction\(string, string, object, string\)](#) ,
[ControllerBase.RedirectToActionPreserveMethod\(string, string, object, string\)](#) ,
[ControllerBase.RedirectToActionPermanent\(string\)](#) ,
[ControllerBase.RedirectToActionPermanent\(string, object\)](#) ,
[ControllerBase.RedirectToActionPermanent\(string, string\)](#) ,
[ControllerBase.RedirectToActionPermanent\(string, string, string\)](#) ,
[ControllerBase.RedirectToActionPermanent\(string, string, object\)](#) ,
[ControllerBase.RedirectToActionPermanent\(string, string, object, string\)](#) ,
[ControllerBase.RedirectToActionPermanentPreserveMethod\(string, string, object, string\)](#) ,

[ControllerBase.RedirectToRoute\(string\)](#) , [ControllerBase.RedirectToRoute\(object\)](#) ,
 [ControllerBase.RedirectToRoute\(string, object\)](#) ,
 [ControllerBase.RedirectToRoute\(string, string\)](#) ,
 [ControllerBase.RedirectToRoute\(string, object, string\)](#) ,
 [ControllerBase.RedirectToRoutePreserveMethod\(string, object, string\)](#) ,
 [ControllerBase.RedirectToRoutePermanent\(string\)](#) ,
 [ControllerBase.RedirectToRoutePermanent\(object\)](#) ,
 [ControllerBase.RedirectToRoutePermanent\(string, object\)](#) ,
 [ControllerBase.RedirectToRoutePermanent\(string, string\)](#) ,
 [ControllerBase.RedirectToRoutePermanent\(string, object, string\)](#) ,
 [ControllerBase.RedirectToRoutePermanentPreserveMethod\(string, object, string\)](#) ,
 [ControllerBase.RedirectToPage\(string\)](#) , [ControllerBase.RedirectToPage\(string, object\)](#) ,
 [ControllerBase.RedirectToPage\(string, string\)](#) ,
 [ControllerBase.RedirectToPage\(string, string, object\)](#) ,
 [ControllerBase.RedirectToPage\(string, string, string\)](#) ,
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 [ControllerBase.RedirectToPagePermanent\(string, object\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, string\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, string, string\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, string, object, string\)](#) ,
 [ControllerBase.RedirectToPagePreserveMethod\(string, string, object, string\)](#) ,
 [ControllerBase.RedirectToPagePermanentPreserveMethod\(string, string, object, string\)](#) ,
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 [ControllerBase.File\(byte\[\], string, string\)](#) ,
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 [ControllerBase.File\(byte\[\], string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(byte\[\], string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(byte\[\], string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(byte\[\], string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(Stream, string\)](#) , [ControllerBase.File\(Stream, string, bool\)](#) ,
 [ControllerBase.File\(Stream, string, string\)](#) ,
 [ControllerBase.File\(Stream, string, string, bool\)](#) ,
 [ControllerBase.File\(Stream, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(Stream, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(Stream, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(Stream, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(string, string\)](#) , [ControllerBase.File\(string, string, bool\)](#) ,
 [ControllerBase.File\(string, string, string\)](#) , [ControllerBase.File\(string, string, string, bool\)](#) ,
 [ControllerBase.File\(string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,

[ControllerBase.File\(string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(string, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(string, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.PhysicalFile\(string, string\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, bool\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, string\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, string, bool\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.Unauthorized\(\)](#) , [ControllerBase.Unauthorized\(object\)](#) ,
 [ControllerBase.NotFound\(\)](#) , [ControllerBase.NotFound\(object\)](#) ,
 [ControllerBase.BadRequest\(\)](#) , [ControllerBase.BadRequest\(object\)](#) ,
 [ControllerBase.BadRequest\(ModelStateDictionary\)](#) ,
 [ControllerBase.UnprocessableEntity\(\)](#) , [ControllerBase.UnprocessableEntity\(object\)](#) ,
 [ControllerBase.UnprocessableEntity\(ModelStateDictionary\)](#) , [ControllerBase.Conflict\(\)](#) ,
 [ControllerBase.Conflict\(object\)](#) , [ControllerBase.Conflict\(ModelStateDictionary\)](#) ,
 [ControllerBase.Problem\(string, string, int?, string, string\)](#) ,
 [ControllerBase.ValidationProblem\(ValidationProblemDetails\)](#) ,
 [ControllerBase.ValidationProblem\(ModelStateDictionary\)](#) ,
 [ControllerBase.ValidationProblem\(\)](#) ,
 [ControllerBase.ValidationProblem\(string, string, int?, string, string, ModelStateDictionary\)](#) ,

 [ControllerBase.Created\(\)](#) , [ControllerBase.Created\(string, object\)](#) ,
 [ControllerBase.Created\(Uri, object\)](#) , [ControllerBase.CreatedAtAction\(string, object\)](#) ,
 [ControllerBase.CreatedAtAction\(string, object, object\)](#) ,
 [ControllerBase.CreatedAtAction\(string, string, object, object\)](#) ,
 [ControllerBase.CreatedAtRoute\(string, object\)](#) ,
 [ControllerBase.CreatedAtRoute\(object, object\)](#) ,
 [ControllerBase.CreatedAtRoute\(string, object, object\)](#) , [ControllerBase.Accepted\(\)](#) ,
 [ControllerBase.Accepted\(object\)](#) , [ControllerBase.Accepted\(Uri\)](#) ,
 [ControllerBase.Accepted\(string\)](#) , [ControllerBase.Accepted\(string, object\)](#) ,
 [ControllerBase.Accepted\(Uri, object\)](#) , [ControllerBase.AcceptedAtAction\(string\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, string\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, object\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, string, object\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, object, object\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, string, object, object\)](#) ,

[ControllerBase.AcceptedAtRoute\(object\)](#) , [ControllerBase.AcceptedAtRoute\(string\)](#) ,
 [ControllerBase.AcceptedAtRoute\(string, object\)](#) ,
 [ControllerBase.AcceptedAtRoute\(object, object\)](#) ,
 [ControllerBase.AcceptedAtRoute\(string, object, object\)](#) , [ControllerBase.Challenge\(\)](#) ,
 [ControllerBase.Challenge\(params string\[\]\)](#) ,
 [ControllerBase.Challenge\(AuthenticationProperties\)](#) ,
 [ControllerBase.Challenge\(AuthenticationProperties, params string\[\]\)](#) ,
 [ControllerBase.Forbid\(\)](#) , [ControllerBase.Forbid\(params string\[\]\)](#) ,
 [ControllerBase.Forbid\(AuthenticationProperties\)](#) ,
 [ControllerBase.Forbid\(AuthenticationProperties, params string\[\]\)](#) ,
 [ControllerBase.SignIn\(ClaimsPrincipal\)](#) , [ControllerBase.SignIn\(ClaimsPrincipal, string\)](#) ,
 [ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties\)](#) ,
 [ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties, string\)](#) ,
 [ControllerBase.SignOut\(\)](#) , [ControllerBase.SignOut\(AuthenticationProperties\)](#) ,
 [ControllerBase.SignOut\(params string\[\]\)](#) ,
 [ControllerBase.SignOut\(AuthenticationProperties, params string\[\]\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, params Expression<Func<TModel, object>>\[\] \)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, Func<ModelMetadata, bool>\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, params Expression<Func<TModel, object>>\[\] \)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, Func<ModelMetadata, bool>\)](#) ,
 [ControllerBase.TryUpdateModelAsync\(object, Type, string\)](#) ,
 [ControllerBase.TryUpdateModelAsync\(object, Type, string, IValueProvider, Func<ModelMetadata, bool>\)](#) ,
 [ControllerBase.TryValidateModel\(object\)](#) ,
 [ControllerBase.TryValidateModel\(object, string\)](#) , [ControllerBase.HttpContext](#) ,
 [ControllerBase.Request](#) , [ControllerBase.Response](#) , [ControllerBase.RouteData](#) ,
 [ControllerBase.ModelState](#) , [ControllerBase.ControllerContext](#) ,
 [ControllerBase.MetadataProvider](#) , [ControllerBase.ModelBinderFactory](#) ,
 [ControllerBase.Url](#) , [ControllerBase.ObjectValidator](#) ,
 [ControllerBase.ProblemDetailsFactory](#) , [ControllerBase.User](#) , [ControllerBase.Empty](#) ,
 [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
 [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
 [object.ToString\(\)](#)

Constructors

StatisticsController(IMapper, IStatisticsService)

```
public StatisticsController(IMapper mapper, IStatisticsService statisticsService)
```

Parameters

mapper IMapper

statisticsService [IStatisticsService](#)

Methods

GetShopStatistics(GetShopStatisticsRequest, CancellationToken)

```
[HttpPost]
[OutputCache(PolicyName = "StatisticsPolicy")]
public Task<ActionResult<ShopStatisticsResponse>>
GetShopStatistics(GetShopStatisticsRequest request, CancellationToken
cancellationToken)
```

Parameters

request [GetShopStatisticsRequest](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[ActionResult](#)<[ShopStatisticsResponse](#)>>

Class StockBookOrderController

Namespace: [ShopApi.Controllers](#)

Assembly: ShopApi.dll

```
[Authorize(Policy = "RequireManagerRole")]
[Route("stockbook")]
[ApiController]
public class StockBookOrderController : ControllerBase
```

Inheritance

[object](#) ← [ControllerBase](#) ← StockBookOrderController

Inherited Members

[ControllerBase.StatusCode\(int\)](#) , [ControllerBase.StatusCode\(int, object\)](#) ,
[ControllerBase.Content\(string\)](#) , [ControllerBase.Content\(string, string\)](#) ,
[ControllerBase.Content\(string, string, Encoding\)](#) ,
[ControllerBase.Content\(string, MediaTypeHeaderValue\)](#) , [ControllerBase.NoContent\(\)](#) ,
[ControllerBase.Ok\(\)](#) , [ControllerBase.Ok\(object\)](#) , [ControllerBase.Redirect\(string\)](#) ,
[ControllerBase.RedirectPermanent\(string\)](#) ,
[ControllerBase.RedirectPreserveMethod\(string\)](#) ,
[ControllerBase.RedirectPermanentPreserveMethod\(string\)](#) ,
[ControllerBase.LocalRedirect\(string\)](#) , [ControllerBase.LocalRedirectPermanent\(string\)](#) ,
[ControllerBase.LocalRedirectPreserveMethod\(string\)](#) ,
[ControllerBase.LocalRedirectPermanentPreserveMethod\(string\)](#) ,
[ControllerBase.RedirectToAction\(\)](#) , [ControllerBase.RedirectToAction\(string\)](#) ,
[ControllerBase.RedirectToAction\(string, object\)](#) ,
[ControllerBase.RedirectToAction\(string, string\)](#) ,
[ControllerBase.RedirectToAction\(string, string, object\)](#) ,
[ControllerBase.RedirectToAction\(string, string, string\)](#) ,
[ControllerBase.RedirectToAction\(string, string, object, string\)](#) ,
[ControllerBase.RedirectToActionPreserveMethod\(string, string, object, string\)](#) ,
[ControllerBase.RedirectToActionPermanent\(string\)](#) ,
[ControllerBase.RedirectToActionPermanent\(string, object\)](#) ,
[ControllerBase.RedirectToActionPermanent\(string, string\)](#) ,
[ControllerBase.RedirectToActionPermanent\(string, string, string\)](#) ,
[ControllerBase.RedirectToActionPermanent\(string, string, object\)](#) ,
[ControllerBase.RedirectToActionPermanent\(string, string, object, string\)](#) ,
[ControllerBase.RedirectToActionPermanentPreserveMethod\(string, string, object, string\)](#) ,

[ControllerBase.RedirectToRoute\(string\)](#) , [ControllerBase.RedirectToRoute\(object\)](#) ,
 [ControllerBase.RedirectToRoute\(string, object\)](#) ,
 [ControllerBase.RedirectToRoute\(string, string\)](#) ,
 [ControllerBase.RedirectToRoute\(string, object, string\)](#) ,
 [ControllerBase.RedirectToRoutePreserveMethod\(string, object, string\)](#) ,
 [ControllerBase.RedirectToRoutePermanent\(string\)](#) ,
 [ControllerBase.RedirectToRoutePermanent\(object\)](#) ,
 [ControllerBase.RedirectToRoutePermanent\(string, object\)](#) ,
 [ControllerBase.RedirectToRoutePermanent\(string, string\)](#) ,
 [ControllerBase.RedirectToRoutePermanent\(string, object, string\)](#) ,
 [ControllerBase.RedirectToRoutePermanentPreserveMethod\(string, object, string\)](#) ,
 [ControllerBase.RedirectToPage\(string\)](#) , [ControllerBase.RedirectToPage\(string, object\)](#) ,
 [ControllerBase.RedirectToPage\(string, string\)](#) ,
 [ControllerBase.RedirectToPage\(string, string, object\)](#) ,
 [ControllerBase.RedirectToPage\(string, string, string\)](#) ,
 [ControllerBase.RedirectToPage\(string, string, object, string\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, object\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, string\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, string, string\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, string, object, string\)](#) ,
 [ControllerBase.RedirectToPagePreserveMethod\(string, string, object, string\)](#) ,
 [ControllerBase.RedirectToPagePermanentPreserveMethod\(string, string, object, string\)](#) ,
 [ControllerBase.File\(byte\[\], string\)](#) , [ControllerBase.File\(byte\[\], string, bool\)](#) ,
 [ControllerBase.File\(byte\[\], string, string\)](#) ,
 [ControllerBase.File\(byte\[\], string, string, bool\)](#) ,
 [ControllerBase.File\(byte\[\], string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(byte\[\], string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(byte\[\], string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(byte\[\], string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(Stream, string\)](#) , [ControllerBase.File\(Stream, string, bool\)](#) ,
 [ControllerBase.File\(Stream, string, string\)](#) ,
 [ControllerBase.File\(Stream, string, string, bool\)](#) ,
 [ControllerBase.File\(Stream, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(Stream, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(Stream, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(Stream, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(string, string\)](#) , [ControllerBase.File\(string, string, bool\)](#) ,
 [ControllerBase.File\(string, string, string\)](#) , [ControllerBase.File\(string, string, string, bool\)](#) ,
 [ControllerBase.File\(string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,

[ControllerBase.File\(string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(string, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(string, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.PhysicalFile\(string, string\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, bool\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, string\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, string, bool\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.Unauthorized\(\)](#) , [ControllerBase.Unauthorized\(object\)](#) ,
 [ControllerBase.NotFound\(\)](#) , [ControllerBase.NotFound\(object\)](#) ,
 [ControllerBase.BadRequest\(\)](#) , [ControllerBase.BadRequest\(object\)](#) ,
 [ControllerBase.BadRequest\(ModelStateDictionary\)](#) ,
 [ControllerBase.UnprocessableEntity\(\)](#) , [ControllerBase.UnprocessableEntity\(object\)](#) ,
 [ControllerBase.UnprocessableEntity\(ModelStateDictionary\)](#) , [ControllerBase.Conflict\(\)](#) ,
 [ControllerBase.Conflict\(object\)](#) , [ControllerBase.Conflict\(ModelStateDictionary\)](#) ,
 [ControllerBase.Problem\(string, string, int?, string, string\)](#) ,
 [ControllerBase.ValidationProblem\(ValidationProblemDetails\)](#) ,
 [ControllerBase.ValidationProblem\(ModelStateDictionary\)](#) ,
 [ControllerBase.ValidationProblem\(\)](#) ,
 [ControllerBase.ValidationProblem\(string, string, int?, string, string, ModelStateDictionary\)](#) ,

 [ControllerBase.Created\(\)](#) , [ControllerBase.Created\(string, object\)](#) ,
 [ControllerBase.Created\(Uri, object\)](#) , [ControllerBase.CreatedAtAction\(string, object\)](#) ,
 [ControllerBase.CreatedAtAction\(string, object, object\)](#) ,
 [ControllerBase.CreatedAtAction\(string, string, object, object\)](#) ,
 [ControllerBase.CreatedAtRoute\(string, object\)](#) ,
 [ControllerBase.CreatedAtRoute\(object, object\)](#) ,
 [ControllerBase.CreatedAtRoute\(string, object, object\)](#) , [ControllerBase.Accepted\(\)](#) ,
 [ControllerBase.Accepted\(object\)](#) , [ControllerBase.Accepted\(Uri\)](#) ,
 [ControllerBase.Accepted\(string\)](#) , [ControllerBase.Accepted\(string, object\)](#) ,
 [ControllerBase.Accepted\(Uri, object\)](#) , [ControllerBase.AcceptedAtAction\(string\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, string\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, object\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, string, object\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, object, object\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, string, object, object\)](#) ,

[ControllerBase.AcceptedAtRoute\(object\)](#) , [ControllerBase.AcceptedAtRoute\(string\)](#) ,
 [ControllerBase.AcceptedAtRoute\(string, object\)](#) ,
 [ControllerBase.AcceptedAtRoute\(object, object\)](#) ,
 [ControllerBase.AcceptedAtRoute\(string, object, object\)](#) , [ControllerBase.Challenge\(\)](#) ,
 [ControllerBase.Challenge\(params string\[\]\)](#) ,
 [ControllerBase.Challenge\(AuthenticationProperties\)](#) ,
 [ControllerBase.Challenge\(AuthenticationProperties, params string\[\]\)](#) ,
 [ControllerBase.Forbid\(\)](#) , [ControllerBase.Forbid\(params string\[\]\)](#) ,
 [ControllerBase.Forbid\(AuthenticationProperties\)](#) ,
 [ControllerBase.Forbid\(AuthenticationProperties, params string\[\]\)](#) ,
 [ControllerBase.SignIn\(ClaimsPrincipal\)](#) , [ControllerBase.SignIn\(ClaimsPrincipal, string\)](#) ,
 [ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties\)](#) ,
 [ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties, string\)](#) ,
 [ControllerBase.SignOut\(\)](#) , [ControllerBase.SignOut\(AuthenticationProperties\)](#) ,
 [ControllerBase.SignOut\(params string\[\]\)](#) ,
 [ControllerBase.SignOut\(AuthenticationProperties, params string\[\]\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, params Expression<Func<TModel, object>>\[\] \)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, Func<ModelMetadata, bool>\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, params Expression<Func<TModel, object>>\[\] \)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, Func<ModelMetadata, bool>\)](#) ,
 [ControllerBase.TryUpdateModelAsync\(object, Type, string\)](#) ,
 [ControllerBase.TryUpdateModelAsync\(object, Type, string, IValueProvider, Func<ModelMetadata, bool>\)](#) ,
 [ControllerBase.TryValidateModel\(object\)](#) ,
 [ControllerBase.TryValidateModel\(object, string\)](#) , [ControllerBase.HttpContext](#) ,
 [ControllerBase.Request](#) , [ControllerBase.Response](#) , [ControllerBase.RouteData](#) ,
 [ControllerBase.ModelState](#) , [ControllerBase.ControllerContext](#) ,
 [ControllerBase.MetadataProvider](#) , [ControllerBase.ModelBinderFactory](#) ,
 [ControllerBase.Url](#) , [ControllerBase.ObjectValidator](#) ,
 [ControllerBase.ProblemDetailsFactory](#) , [ControllerBase.User](#) , [ControllerBase.Empty](#) ,
 [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
 [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
 [object.ToString\(\)](#)

Constructors

StockBookOrderController(IMediator)

```
public StockBookOrderController(IMediator mediator)
```

Parameters

mediator IMediator

Methods

CreateStockBookOrder(CreateStockBookOrderRequest, CancellationToken)

```
[HttpPost]  
public Task<ActionResult<StockBookOrderResponse>>  
CreateStockBookOrder(CreateStockBookOrderRequest request,  
CancellationToken cancellationToken)
```

Parameters

request [CreateStockBookOrderRequest](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<ActionResult<StockBookOrderResponse>>

GetStockOrderAmount(CancellationToken)

```
[HttpGet("amount")]  
[OutputCache(PolicyName = "StockBookOrderPaginationPolicy")]  
public Task<ActionResult<int>> GetStockOrderAmount(CancellationToken  
cancellationToken)
```

Parameters

cancelationToken [CancellationToken](#)

Returns

[Task](#)<[ActionResult](#)<[int](#)>>>

GetStockOrderById(int, CancellationToken)

```
[HttpGet("{id}")]
public Task<ActionResult<StockBookOrderResponse>> GetStockOrderById(int id,
CancelationToken cancelationToken)
```

Parameters

id [int](#)

cancelationToken [CancellationToken](#)

Returns

[Task](#)<[ActionResult](#)<[StockBookOrderResponse](#)>>

GetStockOrderPaginated(PaginationRequest, CancellationToken)

```
[HttpPost("pagination")]
[OutputCache(PolicyName = "StockBookOrderPaginationPolicy")]
public Task<ActionResult<IEnumerable<StockBookOrderResponse>>>
GetStockOrderPaginated(PaginationRequest paginationRequest,
CancelationToken cancelationToken)
```

Parameters

paginationRequest [PaginationRequest](#)

cancelationToken [CancellationToken](#)

Returns

[Task](#) <[ActionResult](#)> <[IEnumerable](#)> <[StockBookOrderResponse](#)>>>

Namespace ShopApi.Features.Advisor

Feature

Classes

[ChatConfiguration](#)

Class ChatConfiguration

Namespace: [ShopApi.Features.AdvisorFeature](#)

Assembly: ShopApi.dll

```
public class ChatConfiguration
```

Inheritance

[object](#) ← ChatConfiguration

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

BotUrl

```
public string BotUrl { get; set; }
```

Property Value

[string](#)

Namespace ShopApi.Features.Advisor Feature.Domain.Dtos

Classes

[AdvisorQueryRequest](#)

[AdvisorResponse](#)

[ChatAdvisorQueryRequest](#)

[ChatAdvisorResponse](#)

Class AdvisorQueryRequest

Namespace: [ShopApi.Features.AdvisorFeature.Domain.Dtos](#)

Assembly: ShopApi.dll

```
public class AdvisorQueryRequest
```

Inheritance

[object](#) ← AdvisorQueryRequest

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#)

Properties

Query

```
public string? Query { get; set; }
```

Property Value

[string](#)

Methods

ToString()

Returns a string that represents the current object.

```
public override string ToString()
```

Returns

[string](#)

A string that represents the current object.

Class AdvisorResponse

Namespace: [ShopApi.Features.AdvisorFeature.Domain.Dtos](#)

Assembly: ShopApi.dll

```
public class AdvisorResponse
```

Inheritance

[object](#) ← AdvisorResponse

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

Message

```
public string? Message { get; set; }
```

Property Value

[string](#)

Class ChatAdvisorQueryRequest

Namespace: [ShopApi.Features.AdvisorFeature.Domain.Dtos](#)

Assembly: ShopApi.dll

```
public class ChatAdvisorQueryRequest
```

Inheritance

[object](#) ← ChatAdvisorQueryRequest

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

Query

```
[JsonPropertyName("query")]
public string Query { get; set; }
```

Property Value

[string](#)

Class ChatAdvisorResponse

Namespace: [ShopApi.Features.AdvisorFeature.Domain.Dtos](#)

Assembly: ShopApi.dll

```
public class ChatAdvisorResponse
```

Inheritance

[object](#) ← ChatAdvisorResponse

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

Message

```
public string? Message { get; set; }
```

Property Value

[string](#)

Namespace ShopApi.Features.Advisor Feature.DomainValidators Classes

[AdvisorQueryRequestValidator](#)

[ChatAdvisorQueryRequestValidator](#)

Class AdvisorQueryRequestValidator

Namespace: [ShopApi.Features.AdvisorFeature.DomainValidators](#)

Assembly: ShopApi.dll

```
public class AdvisorQueryRequestValidator : AbstractValidator<AdvisorQueryRequest>,  
IValidator<AdvisorQueryRequest>, IValidator, IEnumerable<IValidationRule>,  
IEnumerable
```

Inheritance

[object](#) ← AbstractValidator<[AdvisorQueryRequest](#)> ← AdvisorQueryRequestValidator

Implements

IValidator<[AdvisorQueryRequest](#)>, IValidator, [IEnumerable](#)<IValidationRule>,
[IEnumerable](#)

Inherited Members

AbstractValidator<AdvisorQueryRequest>.Validate(AdvisorQueryRequest) ,
[AbstractValidator<AdvisorQueryRequest>.ValidateAsync\(AdvisorQueryRequest, CancellationToken\)](#) ,
AbstractValidator<AdvisorQueryRequest>.Validate(ValidationContext<AdvisorQueryRequest>) ,
[AbstractValidator<AdvisorQueryRequest>.ValidateAsync\(ValidationContext<AdvisorQueryRequest>, CancellationToken\)](#) ,
AbstractValidator<AdvisorQueryRequest>.CreateDescriptor() ,
[AbstractValidator<AdvisorQueryRequest>.RuleFor<TPROPERTY>\(Expression<Func<AdvisorQueryRequest, TPROPERTY>>\)](#) ,
[AbstractValidator<AdvisorQueryRequest>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<AdvisorQueryRequest, TPROPERTY>>, Func<TPROPERTY, TTRANSFORMED>\)](#) ,

[AbstractValidator<AdvisorQueryRequest>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<AdvisorQueryRequest, TPROPERTY>>, Func<AdvisorQueryRequest, TPROPERTY, TTRANSFORMED>\)](#) ,
[AbstractValidator<AdvisorQueryRequest>.RuleForEach<TELEMENT>\(Expression<Func<AdvisorQueryRequest, IEnumerable<TELEMENT>>>\)](#) ,
[AbstractValidator<AdvisorQueryRequest>.TransformForEach<TELEMENT, TTRANSFORMED>\(Expression<Func<AdvisorQueryRequest, IEnumerable<TELEMENT>>>, Func<TELEMENT, TTRANSFORMED>\)](#) ,

[AbstractValidator<AdvisorQueryRequest>.TransformForEach<TElement, TTransformed>\(Expression<Func<AdvisorQueryRequest, IEnumerable<TElement>>>, Func<AdvisorQueryRequest, TElement, TTransformed>\)](#) ,
[AbstractValidator<AdvisorQueryRequest>.RuleSet\(string, Action\)](#) ,
[AbstractValidator<AdvisorQueryRequest>.When\(Func<AdvisorQueryRequest, bool>, Action\)](#) ,
[AbstractValidator<AdvisorQueryRequest>.When\(Func<AdvisorQueryRequest, ValidationContext<AdvisorQueryRequest>, bool>, Action\)](#) ,
[AbstractValidator<AdvisorQueryRequest>.Unless\(Func<AdvisorQueryRequest, bool>, Action\)](#) ,
[AbstractValidator<AdvisorQueryRequest>.Unless\(Func<AdvisorQueryRequest, ValidationContext<AdvisorQueryRequest>, bool>, Action\)](#) ,
[AbstractValidator<AdvisorQueryRequest>.WhenAsync\(Func<AdvisorQueryRequest, CancellationToken, Task<bool>>, Action\)](#) ,
[AbstractValidator<AdvisorQueryRequest>.WhenAsync\(Func<AdvisorQueryRequest, ValidationContext<AdvisorQueryRequest>, CancellationToken, Task<bool>>, Action\)](#) ,
[AbstractValidator<AdvisorQueryRequest>.UnlessAsync\(Func<AdvisorQueryRequest, CancellationToken, Task<bool>>, Action\)](#) ,
[AbstractValidator<AdvisorQueryRequest>.UnlessAsync\(Func<AdvisorQueryRequest, ValidationContext<AdvisorQueryRequest>, CancellationToken, Task<bool>>, Action\)](#) ,
[AbstractValidator<AdvisorQueryRequest>.Include\(IValidator<AdvisorQueryRequest>\)](#) ,
[AbstractValidator<AdvisorQueryRequest>.Include<TValidator>\(Func<AdvisorQueryRequest, TValidator>\)](#) ,
[AbstractValidator<AdvisorQueryRequest>.GetEnumerator\(\)](#) ,
[AbstractValidator<AdvisorQueryRequest>.EnsureInstanceNotNull\(object\)](#) ,
[AbstractValidator<AdvisorQueryRequest>.PreValidate\(ValidationContext<AdvisorQueryRequest>, ValidationResult\)](#) ,
[AbstractValidator<AdvisorQueryRequest>.RaiseValidationException\(ValidationContext<AdvisorQueryRequest>, ValidationResult\)](#) ,
[AbstractValidator<AdvisorQueryRequest>.CascadeMode](#) ,
[AbstractValidator<AdvisorQueryRequest>.ClassLevelCascadeMode](#) ,
[AbstractValidator<AdvisorQueryRequest>.RuleLevelCascadeMode](#) ,
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

AdvisorQueryRequestValidator()

```
public AdvisorQueryRequestValidator()
```

Class ChatAdvisorQueryRequestValidator

Namespace: [ShopApi.Features.AdvisorFeature.DomainValidators](#)

Assembly: ShopApi.dll

```
public class ChatAdvisorQueryRequestValidator :  
AbstractValidator<ChatAdvisorQueryRequest>, IValidator<ChatAdvisorQueryRequest>,  
IValidator, IEnumerable<IValidationRule>, IEnumerable
```

Inheritance

[object](#) ← AbstractValidator<[ChatAdvisorQueryRequest](#)> ←
ChatAdvisorQueryRequestValidator

Implements

IValidator<[ChatAdvisorQueryRequest](#)>, IValidator, [IEnumerable](#)<IValidationRule>,
[IEnumerable](#)

Inherited Members

AbstractValidator<ChatAdvisorQueryRequest>.Validate(ChatAdvisorQueryRequest) ,
[AbstractValidator<ChatAdvisorQueryRequest>.ValidateAsync\(ChatAdvisorQueryRequest, CancellationToken\)](#) ,
AbstractValidator<ChatAdvisorQueryRequest>.Validate(ValidationContext<ChatAdvisorQueryRequest>) ,
[AbstractValidator<ChatAdvisorQueryRequest>.ValidateAsync\(ValidationContext<ChatAdvisorQueryRequest>, CancellationToken\)](#) ,
AbstractValidator<ChatAdvisorQueryRequest>.CreateDescriptor() ,
[AbstractValidator<ChatAdvisorQueryRequest>.RuleFor<TPROPERTY>\(Expression<Func<ChatAdvisorQueryRequest, TPROPERTY>>\)](#) ,
[AbstractValidator<ChatAdvisorQueryRequest>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<ChatAdvisorQueryRequest, TPROPERTY>>, Func<TPROPERTY, TTRANSFORMED>\)](#) ,
[AbstractValidator<ChatAdvisorQueryRequest>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<ChatAdvisorQueryRequest, TPROPERTY>>, Func<ChatAdvisorQueryRequest, TPROPERTY, TTRANSFORMED>\)](#) ,
[AbstractValidator<ChatAdvisorQueryRequest>.RuleForEach<TELEMENT>\(Expression<Func<ChatAdvisorQueryRequest, IEnumerable<TELEMENT>>>\)](#) ,
[AbstractValidator<ChatAdvisorQueryRequest>.TransformForEach<TELEMENT, TTRANSFORMED>\(Expression<Func<ChatAdvisorQueryRequest, IEnumerable<TELEMENT>>>, Func<TELEMENT, TTRANSFORMED>\)](#) ,

```
AbstractValidator<ChatAdvisorQueryRequest>.TransformForEach<TElement,
TTransformed>\(Expression<Func<ChatAdvisorQueryRequest, IEnumerable<TElement>>>,
Func<ChatAdvisorQueryRequest, TElement, TTransformed>\) ,
AbstractValidator<ChatAdvisorQueryRequest>.RuleSet\(string, Action\) ,
AbstractValidator<ChatAdvisorQueryRequest>.When\(Func<ChatAdvisorQueryRequest,
bool>, Action\) ,
AbstractValidator<ChatAdvisorQueryRequest>.When\(Func<ChatAdvisorQueryRequest,
ValidationContext<ChatAdvisorQueryRequest>, bool>, Action\) ,
AbstractValidator<ChatAdvisorQueryRequest>.Unless\(Func<ChatAdvisorQueryRequest,
bool>, Action\) ,
AbstractValidator<ChatAdvisorQueryRequest>.Unless\(Func<ChatAdvisorQueryRequest,
ValidationContext<ChatAdvisorQueryRequest>, bool>, Action\) ,
AbstractValidator<ChatAdvisorQueryRequest>.WhenAsync\(Func<ChatAdvisorQueryReques
t, CancellationToken, Task<bool>>, Action\) ,
AbstractValidator<ChatAdvisorQueryRequest>.WhenAsync\(Func<ChatAdvisorQueryReques
t, ValidationContext<ChatAdvisorQueryRequest>, CancellationToken, Task<bool>>, Action\)
\) ,
AbstractValidator<ChatAdvisorQueryRequest>.UnlessAsync\(Func<ChatAdvisorQueryReque
st, CancellationToken, Task<bool>>, Action\) ,
AbstractValidator<ChatAdvisorQueryRequest>.UnlessAsync\(Func<ChatAdvisorQueryReque
st, ValidationContext<ChatAdvisorQueryRequest>, CancellationToken, Task<bool>>,
Action\) ,
AbstractValidator<ChatAdvisorQueryRequest>.Include(IValidator<ChatAdvisorQueryReques
t>\),
AbstractValidator<ChatAdvisorQueryRequest>.Include<TValidator>
\\(Func<ChatAdvisorQueryRequest, TValidator>\\) ,
AbstractValidator<ChatAdvisorQueryRequest>.GetEnumerator\(\),
AbstractValidator<ChatAdvisorQueryRequest>.EnsureInstanceNotNull\(object\) ,
AbstractValidator<ChatAdvisorQueryRequest>.PreValidate\(ValidationContext<ChatAdvisor
QueryRequest>, ValidationResult\) ,
AbstractValidator<ChatAdvisorQueryRequest>.RaiseValidationException\(ValidationContext
<ChatAdvisorQueryRequest>, ValidationResult\) ,
AbstractValidator<ChatAdvisorQueryRequest>.CascadeMode ,
AbstractValidator<ChatAdvisorQueryRequest>.ClassLevelCascadeMode ,
AbstractValidator<ChatAdvisorQueryRequest>.RuleLevelCascadeMode ,
object.Equals\(object\) ,
object.Equals\(object, object\) ,
object.GetHashCode\(\) ,
object.GetType\(\) ,
object.MemberwiseClone\(\) ,
object.ReferenceEquals\(object, object\) ,
object.ToString\(\)
```

Constructors

ChatAdvisorQueryRequestValidator()

```
public ChatAdvisorQueryRequestValidator()
```

Namespace ShopApi.Features.Advisor Feature.Services

Classes

[AdvisorService](#)

Interfaces

[IAdvisorService](#)

Class AdvisorService

Namespace: [ShopApi.Features.AdvisorFeature.Services](#)

Assembly: ShopApi.dll

```
public class AdvisorService : IAdvisorService
```

Inheritance

[object](#) ← AdvisorService

Implements

[IAdvisorService](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

AdvisorService(ResiliencePipelineProvider<string>,
IHttpHelper, IConfiguration)

```
public AdvisorService(ResiliencePipelineProvider<string> resiliencePipelineProvider,  
 IHttpHelper httpHelper, IConfiguration configuration)
```

Parameters

resiliencePipelineProvider [ResiliencePipelineProvider<string>](#)

httpHelper [IHttpHelper](#)

configuration [IConfiguration](#)

Methods

SendQueryAsync(ChatAdvisorQueryRequest, CancellationToken)

```
public Task<ChatAdvisorResponse?> SendQueryAsync(ChatAdvisorQueryRequest req, CancellationToken cancellationToken)
```

Parameters

req [ChatAdvisorQueryRequest](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[ChatAdvisorResponse](#)>

Interface IAdvisorService

Namespace: [ShopApi.Features.AdvisorFeature.Services](#)

Assembly: ShopApi.dll

```
public interface IAdvisorService
```

Methods

SendQueryAsync(ChatAdvisorQueryRequest, CancellationToken)

```
Task<ChatAdvisorResponse?> SendQueryAsync(ChatAdvisorQueryRequest req, CancellationToken cancellationToken)
```

Parameters

req [ChatAdvisorQueryRequest](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#) <[ChatAdvisorResponse](#)>

Namespace ShopApi.Features.Advisor

Feature.Validators

Classes

[AdvisorQueryRequestValidator](#)

Class AdvisorQueryRequestValidator

Namespace: [ShopApi.Features.AdvisorFeatureValidators](#)

Assembly: ShopApi.dll

```
public class AdvisorQueryRequestValidator : AbstractValidator<AdvisorQueryRequest>,  
IValidator<AdvisorQueryRequest>, IValidator, IEnumerable<IValidationRule>,  
IEnumerable
```

Inheritance

[object](#) ← AbstractValidator<[AdvisorQueryRequest](#)> ← AdvisorQueryRequestValidator

Implements

IValidator<[AdvisorQueryRequest](#)>, IValidator, [IEnumerable](#)<IValidationRule>,
[IEnumerable](#)

Inherited Members

AbstractValidator<AdvisorQueryRequest>.Validate(AdvisorQueryRequest) ,
[AbstractValidator<AdvisorQueryRequest>.ValidateAsync\(AdvisorQueryRequest, CancellationToken\)](#) ,
AbstractValidator<AdvisorQueryRequest>.Validate(ValidationContext<AdvisorQueryRequest>) ,
[AbstractValidator<AdvisorQueryRequest>.ValidateAsync\(ValidationContext<AdvisorQueryRequest>, CancellationToken\)](#) ,
AbstractValidator<AdvisorQueryRequest>.CreateDescriptor() ,
[AbstractValidator<AdvisorQueryRequest>.RuleFor<TPROPERTY>\(Expression<Func<AdvisorQueryRequest, TPROPERTY>>\)](#) ,
[AbstractValidator<AdvisorQueryRequest>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<AdvisorQueryRequest, TPROPERTY>>, Func<TPROPERTY, TTRANSFORMED>\)](#) ,

[AbstractValidator<AdvisorQueryRequest>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<AdvisorQueryRequest, TPROPERTY>>, Func<AdvisorQueryRequest, TPROPERTY, TTRANSFORMED>\)](#) ,
[AbstractValidator<AdvisorQueryRequest>.RuleForEach<TELEMENT>\(Expression<Func<AdvisorQueryRequest, IEnumerable<TELEMENT>>>\)](#) ,
[AbstractValidator<AdvisorQueryRequest>.TransformForEach<TELEMENT, TTRANSFORMED>\(Expression<Func<AdvisorQueryRequest, IEnumerable<TELEMENT>>>, Func<TELEMENT, TTRANSFORMED>\)](#) ,

```
AbstractValidator<AdvisorQueryRequest>.TransformForEach<TElement, TTransformed>\(Expression<Func<AdvisorQueryRequest, IEnumerable<TElement>>>, Func<AdvisorQueryRequest, TElement, TTransformed>\) ,
AbstractValidator<AdvisorQueryRequest>.RuleSet\(string, Action\) ,
AbstractValidator<AdvisorQueryRequest>.When\(Func<AdvisorQueryRequest, bool>, Action\) ,
AbstractValidator<AdvisorQueryRequest>.When\(Func<AdvisorQueryRequest, ValidationContext<AdvisorQueryRequest>, bool>, Action\) ,
AbstractValidator<AdvisorQueryRequest>.Unless\(Func<AdvisorQueryRequest, bool>, Action\) ,
AbstractValidator<AdvisorQueryRequest>.Unless\(Func<AdvisorQueryRequest, ValidationContext<AdvisorQueryRequest>, bool>, Action\) ,
AbstractValidator<AdvisorQueryRequest>.WhenAsync\(Func<AdvisorQueryRequest, CancellationToken, Task<bool>>, Action\) ,
AbstractValidator<AdvisorQueryRequest>.WhenAsync\(Func<AdvisorQueryRequest, ValidationContext<AdvisorQueryRequest>, CancellationToken, Task<bool>>, Action\) ,
AbstractValidator<AdvisorQueryRequest>.UnlessAsync\(Func<AdvisorQueryRequest, CancellationToken, Task<bool>>, Action\) ,
AbstractValidator<AdvisorQueryRequest>.UnlessAsync\(Func<AdvisorQueryRequest, ValidationContext<AdvisorQueryRequest>, CancellationToken, Task<bool>>, Action\) ,
AbstractValidator<AdvisorQueryRequest>.Include(IValidator<AdvisorQueryRequest>) ,
AbstractValidator<AdvisorQueryRequest>.Include<TValidator>\(Func<AdvisorQueryRequest, TValidator>\) ,
AbstractValidator<AdvisorQueryRequest>.GetEnumerator() ,
AbstractValidator<AdvisorQueryRequest>.EnsureInstanceNotNull\(object\) ,
AbstractValidator<AdvisorQueryRequest>.PreValidate(ValidationContext<AdvisorQueryRequest>, ValidationResult) ,
AbstractValidator<AdvisorQueryRequest>.RaiseValidationException(ValidationContext<AdvisorQueryRequest>, ValidationResult) ,
AbstractValidator<AdvisorQueryRequest>.CascadeMode ,
AbstractValidator<AdvisorQueryRequest>.ClassLevelCascadeMode ,
AbstractValidator<AdvisorQueryRequest>.RuleLevelCascadeMode ,
object.Equals(object) , object.Equals(object, object) , object.GetHashCode() ,
object.GetType() , object.MemberwiseClone() , object.ReferenceEquals(object, object) ,
object.ToString()
```

Constructors

AdvisorQueryRequestValidator()

```
public AdvisorQueryRequestValidator()
```

Namespace ShopApi.Features.CartFeature.Command.AddBookToCart

Classes

[AddBookToCartCommand](#)

[AddBookToCartCommandHandler](#)

Class AddBookToCartCommand

Namespace: [ShopApi.Features.CartFeature.Command.AddBookToCart](#)

Assembly: ShopApi.dll

```
public record AddBookToCartCommand : IRequest<CartBookResponse>, IBaseRequest,  
IEquatable<AddBookToCartCommand>
```

Inheritance

[object](#) ← AddBookToCartCommand

Implements

IRequest<[CartBookResponse](#)>, IBaseRequest, [IEquatable](#)<[AddBookToCartCommand](#)>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

AddBookToCartCommand(string,
AddBookToCartRequest)

```
public AddBookToCartCommand(string UserId, AddBookToCartRequest Request)
```

Parameters

UserId [string](#)

Request [AddBookToCartRequest](#)

Properties

Request

```
public AddBookToCartRequest Request { get; init; }
```

Property Value

[AddBookToCartRequest](#)

UserId

```
public string UserId { get; init; }
```

Property Value

[string](#) ↗

Class AddBookToCartCommandHandler

Namespace: [ShopApi.Features.CartFeature.Command.AddBookToCart](#)

Assembly: ShopApi.dll

```
public class AddBookToCartCommandHandler : IRequestHandler<AddBookToCartCommand,  
CartBookResponse>
```

Inheritance

[object](#) ← AddBookToCartCommandHandler

Implements

IRequestHandler<[AddBookToCartCommand](#), [CartBookResponse](#)>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

AddBookToCartCommandHandler(ICartService, ILibraryService, IMapper)

```
public AddBookToCartCommandHandler(ICartService cartService, ILibraryService  
libraryService, IMapper mapper)
```

Parameters

cartService [ICartService](#)

libraryService [ILibraryService](#)

mapper IMapper

Methods

Handle/AddBookToCartCommand, CancellationToken)

Handles a request

```
public Task<CartBookResponse> Handle(AddBookToCartCommand command,  
CancellationToken cancellationToken)
```

Parameters

command [AddBookToCartCommand](#)

cancellationToken [CancellationToken](#)

Cancellation token

Returns

[Task](#)<[CartBookResponse](#)>

Response from the request

Namespace ShopApi.Features.CartFeature.Command.DeleteBooksFromCart

Classes

[DeleteBooksFromCartCommand](#)

[DeleteBooksFromCartCommandHandler](#)

Class DeleteBooksFromCartCommand

Namespace: [ShopApi.Features.CartFeature.Command.DeleteBooksFromCart](#)

Assembly: ShopApi.dll

```
public record DeleteBooksFromCartCommand : IRequest<CartResponse>, IBaseRequest,  
IEquatable<DeleteBooksFromCartCommand>
```

Inheritance

[object](#) ← DeleteBooksFromCartCommand

Implements

IRequest<[CartResponse](#)>, IBaseRequest, [IEquatable](#)<[DeleteBooksFromCartCommand](#)>

Inherited Members

[object.Equals\(object\)](#), [object.Equals\(object, object\)](#), [object.GetHashCode\(\)](#),
[object.GetType\(\)](#), [object.MemberwiseClone\(\)](#), [object.ReferenceEquals\(object, object\)](#),
[object.ToString\(\)](#)

Constructors

DeleteBooksFromCartCommand(string,
IEnumerable<DeleteCartBookFromCartRequest>)

```
public DeleteBooksFromCartCommand(string UserId,  
IEnumerable<DeleteCartBookFromCartRequest> Requests)
```

Parameters

UserId [string](#)

Requests [IEnumerable](#)<[DeleteCartBookFromCartRequest](#)>

Properties

Requests

```
public IEnumerable<DeleteCartBookFromCartRequest> Requests { get; init; }
```

Property Value

[IEnumerable](#) <[DeleteCartBookFromCartRequest](#)>

UserId

```
public string UserId { get; init; }
```

Property Value

[string](#)

Class DeleteBooksFromCartCommandHandler

Namespace: [ShopApi.Features.CartFeature.Command.DeleteBooksFromCart](#)

Assembly: ShopApi.dll

```
public class DeleteBooksFromCartCommandHandler :  
 IRequestHandler<DeleteBooksFromCartCommand, CartResponse>
```

Inheritance

[object](#) ← DeleteBooksFromCartCommandHandler

Implements

IRequestHandler<[DeleteBooksFromCartCommand](#), [CartResponse](#)>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

DeleteBooksFromCartCommandHandler(ICartService, ILibraryService, IMapper)

```
public DeleteBooksFromCartCommandHandler(ICartService cartService, ILibraryService  
libraryService, IMapper mapper)
```

Parameters

cartService [ICartService](#)

libraryService [ILibraryService](#)

mapper [IMapper](#)

Methods

Handle(DeleteBooksFromCartCommand, CancellationToken)

Handles a request

```
public Task<CartResponse> Handle(DeleteBooksFromCartCommand command,  
CancellationToken cancellationToken)
```

Parameters

command [DeleteBooksFromCartCommand](#)

cancellationToken [CancellationToken](#)

Cancellation token

Returns

[Task](#)<CartResponse>

Response from the request

Namespace ShopApi.Features.CartFeature.Command.GetCart

Classes

[GetCartQuery](#)

[GetCartQueryHandler](#)

Class GetCartQuery

Namespace: [ShopApi.Features.CartFeature.Command.GetCart](#)

Assembly: ShopApi.dll

```
public record GetCartQuery : IRequest<CartResponse>, IBaseRequest,  
IEquatable<GetCartQuery>
```

Inheritance

[object](#) ← GetCartQuery

Implements

IRequest<[CartResponse](#)>, IBaseRequest, [IEquatable](#)<[GetCartQuery](#)>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

GetCartQuery(string)

```
public GetCartQuery(string UserId)
```

Parameters

UserId [string](#)

Properties

UserId

```
public string UserId { get; init; }
```

Property Value

[string](#) ↗

Class GetCartQueryHandler

Namespace: [ShopApi.Features.CartFeature.Command.GetCart](#)

Assembly: ShopApi.dll

```
public class GetCartQueryHandler : IRequestHandler<GetCartQuery, CartResponse>
```

Inheritance

[object](#) ← GetCartQueryHandler

Implements

IRequestHandler<[GetCartQuery](#), [CartResponse](#)>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

GetCartQueryHandler(ICartService, ILibraryService, IMapper)

```
public GetCartQueryHandler(ICartService cartService, ILibraryService libraryService,  
IMapper mapper)
```

Parameters

cartService [ICartService](#)

libraryService [ILibraryService](#)

mapper IMapper

Methods

Handle(GetCartQuery, CancellationToken)

Handles a request

```
public Task<CartResponse> Handle(GetCartQuery request, CancellationToken  
cancellationToken)
```

Parameters

request [GetCartQuery](#)

The request

cancellationToken [CancellationToken](#)

Cancellation token

Returns

[Task](#) <CartResponse>

Response from the request

Namespace ShopApi.Features.CartFeature.Command.GetInCartAmount

Classes

[GetInCartAmountQuery](#)

[GetInCartAmountQueryHandler](#)

Class GetInCartAmountQuery

Namespace: [ShopApi.Features.CartFeature.Command.GetInCartAmount](#)

Assembly: ShopApi.dll

```
public record GetInCartAmountQuery : IRequest<int>, IBaseRequest,  
IEquatable<GetInCartAmountQuery>
```

Inheritance

[object](#) ← GetInCartAmountQuery

Implements

IRequest<[int](#)>, IBaseRequest, [IEquatable](#)<[GetInCartAmountQuery](#)>

Inherited Members

[object.Equals\(object\)](#), [object.Equals\(object, object\)](#), [object.GetHashCode\(\)](#),
[object.GetType\(\)](#), [object.MemberwiseClone\(\)](#), [object.ReferenceEquals\(object, object\)](#),
[object.ToString\(\)](#)

Constructors

GetInCartAmountQuery(string)

```
public GetInCartAmountQuery(string UserId)
```

Parameters

UserId [string](#)

Properties

UserId

```
public string UserId { get; init; }
```

Property Value

[string](#) ↗

Class GetInCartAmountQueryHandler

Namespace: [ShopApi.Features.CartFeature.Command.GetInCartAmount](#)

Assembly: ShopApi.dll

```
public class GetInCartAmountQueryHandler : IRequestHandler<GetInCartAmountQuery, int>
```

Inheritance

[object](#) ← GetInCartAmountQueryHandler

Implements

IRequestHandler<[GetInCartAmountQuery](#), [int](#)>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

GetInCartAmountQueryHandler(ICartService)

```
public GetInCartAmountQueryHandler(ICartService cartService)
```

Parameters

cartService [ICartService](#)

Methods

Handle(GetInCartAmountQuery, CancellationToken)

Handles a request

```
public Task<int> Handle(GetInCartAmountQuery request, CancellationToken
```

```
cancellationToken)
```

Parameters

request [GetInCartAmountQuery](#)

The request

cancellationToken [CancellationToken](#)

Cancellation token

Returns

[Task](#)<[int](#)>

Response from the request

Namespace ShopApi.Features.CartFeature.Command.UpdateCartBookInCart

Classes

[UpdateCartBookInCartCommand](#)

[UpdateCartBookInCartCommandHandler](#)

Class UpdateCartBookInCartCommand

Namespace: [ShopApi.Features.CartFeature.Command.UpdateCartBookInCart](#)

Assembly: ShopApi.dll

```
public record UpdateCartBookInCartCommand : IRequest<CartBookResponse>,
IBaseRequest, IEquatable<UpdateCartBookInCartCommand>
```

Inheritance

[object](#) ← UpdateCartBookInCartCommand

Implements

IRequest<[CartBookResponse](#)>, IBaseRequest,
[IEquatable](#)<[UpdateCartBookInCartCommand](#)>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

UpdateCartBookInCartCommand(string,
UpdateCartBookRequest)

```
public UpdateCartBookInCartCommand(string UserId, UpdateCartBookRequest Request)
```

Parameters

UserId [string](#)

Request [UpdateCartBookRequest](#)

Properties

Request

```
public UpdateCartBookRequest Request { get; init; }
```

Property Value

[UpdateCartBookRequest](#)

UserId

```
public string UserId { get; init; }
```

Property Value

[string](#) ↗

Class UpdateCartBookInCartCommandHandler

Namespace: [ShopApi.Features.CartFeature.Command.UpdateCartBookInCart](#)

Assembly: ShopApi.dll

```
public class UpdateCartBookInCartCommandHandler :  
IRequestHandler<UpdateCartBookInCartCommand, CartBookResponse>
```

Inheritance

[object](#) ← UpdateCartBookInCartCommandHandler

Implements

IRequestHandler<[UpdateCartBookInCartCommand](#), [CartBookResponse](#)>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

UpdateCartBookInCartCommandHandler(ICartService, ILibraryService, IMapper)

```
public UpdateCartBookInCartCommandHandler(ICartService cartService, ILibraryService  
libraryService, IMapper mapper)
```

Parameters

cartService [ICartService](#)

libraryService [ILibraryService](#)

mapper [IMapper](#)

Methods

Handle(UpdateCartBookInCartCommand, CancellationToken)

Handles a request

```
public Task<CartBookResponse> Handle(UpdateCartBookInCartCommand command, CancellationToken cancellationToken)
```

Parameters

command [UpdateCartBookInCartCommand](#)

cancellationToken [CancellationToken](#)

Cancellation token

Returns

[Task](#)<[CartBookResponse](#)>

Response from the request

Namespace ShopApi.Features.CartFeature.Dtos

Classes

[AddBookToCartRequest](#)

[DeleteCartBookFromCartRequest](#)

[UpdateCartBookRequest](#)

Class AddBookToCartRequest

Namespace: [ShopApi.Features.CartFeature.Dtos](#)

Assembly: ShopApi.dll

```
public class AddBookToCartRequest
```

Inheritance

[object](#) ← AddBookToCartRequest

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

BookAmount

```
public int BookAmount { get; set; }
```

Property Value

[int](#)

BookId

```
public int BookId { get; set; }
```

Property Value

[int](#)

Class DeleteCartBookFromCartRequest

Namespace: [ShopApi.Features.CartFeature.Dtos](#)

Assembly: ShopApi.dll

```
public class DeleteCartBookFromCartRequest
```

Inheritance

[object](#) ← DeleteCartBookFromCartRequest

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

Id

```
public int Id { get; set; }
```

Property Value

[int](#)

Class UpdateCartBookRequest

Namespace: [ShopApi.Features.CartFeature.Dtos](#)

Assembly: ShopApi.dll

```
public class UpdateCartBookRequest
```

Inheritance

[object](#) ← UpdateCartBookRequest

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

BookAmount

```
public int BookAmount { get; set; }
```

Property Value

[int](#)

Id

```
public string? Id { get; set; }
```

Property Value

[string](#)

Namespace ShopApi.Features.CartFeature.Services

Classes

[CartService](#)

Interfaces

[ICartService](#)

Class CartService

Namespace: [ShopApi.Features.CartFeature.Services](#)

Assembly: ShopApi.dll

```
public class CartService : ICartService
```

Inheritance

[object](#) ← CartService

Implements

[ICartService](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

CartService(ICartRepository, IConfiguration)

```
public CartService(ICartRepository repository, IConfiguration configuration)
```

Parameters

repository [ICartRepository](#)

configuration [IConfiguration](#)

Methods

AddCartBookAsync(Cart, CartBook, CancellationToken)

```
public Task<CartBook> AddCartBookAsync(Cart cart, CartBook cartBook,  
CancellationToken cancellationToken)
```

Parameters

cart [Cart](#)

cartBook [CartBook](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[CartBook](#)>

CheckBookCartAsync(Cart, string, CancellationToken)

```
public Task<bool> CheckBookCartAsync(Cart cart, string id,  
CancellationToken cancellationToken)
```

Parameters

cart [Cart](#)

id [string](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[bool](#)>

CreateCartAsync(string, CancellationToken)

```
public Task<Cart> CreateCartAsync(string userId, CancellationToken  
cancellationToken)
```

Parameters

userId [string](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<Cart>

DeleteBooksFromCartAsync(Cart, int[], CancellationToken)

```
public Task<Cart> DeleteBooksFromCartAsync(Cart cart, int[] bookIds,  
CancellationToken cancellationToken)
```

Parameters

cart [Cart](#)

bookIds [int](#)[]

cancellationToken [CancellationToken](#)

Returns

[Task](#)<Cart>

GetCartByUserIdAsync(string, bool, CancellationToken)

```
public Task<Cart?> GetCartByUserIdAsync(string userId, bool includeProducts,  
CancellationToken cancellationToken)
```

Parameters

userId [string](#)

includeProducts [bool](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[Cart](#)>

GetInCartAmountAsync(Cart, CancellationToken)

```
public Task<int> GetInCartAmountAsync(Cart cart, CancellationToken cancellationToken)
```

Parameters

cart [Cart](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[int](#)>

UpdateCartBookAsync(Cart, CartBook, CancellationToken)

```
public Task<CartBook> UpdateCartBookAsync(Cart cart, CartBook cartBook, CancellationToken cancellationToken)
```

Parameters

cart [Cart](#)

cartBook [CartBook](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[CartBook](#)>

Interface ICartService

Namespace: [ShopApi.Features.CartFeature.Services](#)

Assembly: ShopApi.dll

```
public interface ICartService
```

Methods

AddCartBookAsync(Cart, CartBook, CancellationToken)

```
Task<CartBook> AddCartBookAsync(Cart cart, CartBook cartBook,  
CancellationToken cancellationToken)
```

Parameters

cart [Cart](#)

cartBook [CartBook](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<CartBook>

CheckBookCartAsync(Cart, string, CancellationToken)

```
Task<bool> CheckBookCartAsync(Cart cart, string id, CancellationToken  
cancellationToken)
```

Parameters

cart [Cart](#)

id [string](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[bool](#)>

CreateCartAsync(string, CancellationToken)

Task<Cart> [CreateCartAsync](#)(string userId, CancellationToken cancellationToken)

Parameters

userId [string](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[Cart](#)>

DeleteBooksFromCartAsync(Cart, int[], CancellationToken)

Task<Cart> [DeleteBooksFromCartAsync](#)(Cart cart, int[] bookIds, CancellationToken cancellationToken)

Parameters

cart [Cart](#)

bookIds [int](#)[]

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[Cart](#)>

GetCartByUserIdAsync(string, bool, CancellationToken)

```
Task<Cart?> GetCartByUserIdAsync(string userId, bool includeProducts,  
CancellationToken cancellationToken)
```

Parameters

userId [string](#)

includeProducts [bool](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[Cart](#)>

GetInCartAmountAsync(Cart, CancellationToken)

```
Task<int> GetInCartAmountAsync(Cart cart, CancellationToken cancellationToken)
```

Parameters

cart [Cart](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[int](#)>

UpdateCartBookAsync(Cart, CartBook, CancellationToken)

```
Task<CartBook> UpdateCartBookAsync(Cart cart, CartBook cartBook,  
CancellationToken cancellationToken)
```

Parameters

cart [Cart](#)

cartBook [CartBook](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#) <[CartBook](#)>

Namespace ShopApi.Features.CartFeatureValidators

Classes

[AddBookToCartRequestValidator](#)

[DeleteBookFromCartRequestValidator](#)

[UpdateCartBookRequestValidator](#)

Class AddBookToCartRequestValidator

Namespace: [ShopApi.Features.CartFeature.Validators](#)

Assembly: ShopApi.dll

```
public class AddBookToCartRequestValidator :  
AbstractValidator<AddBookToCartRequest>, IValidator<AddBookToCartRequest>,  
IValidator, IEnumerable<IValidationRule>, IEnumerable
```

Inheritance

[object](#) ← AbstractValidator<[AddBookToCartRequest](#)> ← AddBookToCartRequestValidator

Implements

IValidator<[AddBookToCartRequest](#)>, IValidator, [IEnumerable](#)<IValidationRule>,
[IEnumerable](#)

Inherited Members

AbstractValidator<AddBookToCartRequest>.Validate(AddBookToCartRequest) ,
[AbstractValidator<AddBookToCartRequest>.ValidateAsync\(AddBookToCartRequest, CancellationToken\)](#) ,
AbstractValidator<AddBookToCartRequest>.Validate(ValidationContext<AddBookToCartRequest>) ,
[AbstractValidator<AddBookToCartRequest>.ValidateAsync\(ValidationContext<AddBookToCartRequest>, CancellationToken\)](#) ,
AbstractValidator<AddBookToCartRequest>.CreateDescriptor() ,
[AbstractValidator<AddBookToCartRequest>.RuleFor<TPROPERTY>\(Expression<Func<AddBookToCartRequest, TPROPERTY>>\)](#) ,
[AbstractValidator<AddBookToCartRequest>.Transform<TPROPERTY, TTTRANSFORMED>\(Expression<Func<AddBookToCartRequest, TPROPERTY>>, Func<TPROPERTY, TTTRANSFORMED>\)](#) ,
[AbstractValidator<AddBookToCartRequest>.Transform<TPROPERTY, TTTRANSFORMED>\(Expression<Func<AddBookToCartRequest, TPROPERTY>>, Func<AddBookToCartRequest, TPROPERTY, TTTRANSFORMED>\)](#) ,
[AbstractValidator<AddBookToCartRequest>.RuleForEach<TELEMENT>\(Expression<Func<AddBookToCartRequest, IEnumerable<TELEMENT>>>\)](#) ,
[AbstractValidator<AddBookToCartRequest>.TransformForEach<TELEMENT, TTTRANSFORMED>\(Expression<Func<AddBookToCartRequest, IEnumerable<TELEMENT>>>, Func<TELEMENT, TTTRANSFORMED>\)](#) ,

```
AbstractValidator<AddBookToCartRequest>.TransformForEach<TElement, TTransformed>\(Expression<Func<AddBookToCartRequest, IEnumerable<TElement>>>, Func<AddBookToCartRequest, TElement, TTransformed>\) ,
AbstractValidator<AddBookToCartRequest>.RuleSet\(string, Action\) ,
AbstractValidator<AddBookToCartRequest>.When\(Func<AddBookToCartRequest, bool>, Action\) ,
AbstractValidator<AddBookToCartRequest>.When\(Func<AddBookToCartRequest, ValidationContext<AddBookToCartRequest>, bool>, Action\) ,
AbstractValidator<AddBookToCartRequest>.Unless\(Func<AddBookToCartRequest, bool>, Action\) ,
AbstractValidator<AddBookToCartRequest>.Unless\(Func<AddBookToCartRequest, ValidationContext<AddBookToCartRequest>, bool>, Action\) ,
AbstractValidator<AddBookToCartRequest>.WhenAsync\(Func<AddBookToCartRequest, CancellationToken, Task<bool>>, Action\) ,
AbstractValidator<AddBookToCartRequest>.WhenAsync\(Func<AddBookToCartRequest, ValidationContext<AddBookToCartRequest>, CancellationToken, Task<bool>>, Action\) ,
AbstractValidator<AddBookToCartRequest>.UnlessAsync\(Func<AddBookToCartRequest, CancellationToken, Task<bool>>, Action\) ,
AbstractValidator<AddBookToCartRequest>.UnlessAsync\(Func<AddBookToCartRequest, ValidationContext<AddBookToCartRequest>, CancellationToken, Task<bool>>, Action\) ,
AbstractValidator<AddBookToCartRequest>.Include(IValidator<AddBookToCartRequest>) ,
AbstractValidator<AddBookToCartRequest>.Include<TValidator>\(Func<AddBookToCartRequest, TValidator>\) ,
AbstractValidator<AddBookToCartRequest>.GetEnumerator() ,
AbstractValidator<AddBookToCartRequest>.EnsureInstanceNotNull\(object\) ,
AbstractValidator<AddBookToCartRequest>.PreValidate(ValidationContext<AddBookToCartRequest>, ValidationResult) ,
AbstractValidator<AddBookToCartRequest>.RaiseValidationException(ValidationContext<AddBookToCartRequest>, ValidationResult) ,
AbstractValidator<AddBookToCartRequest>.CascadeMode ,
AbstractValidator<AddBookToCartRequest>.ClassLevelCascadeMode ,
AbstractValidator<AddBookToCartRequest>.RuleLevelCascadeMode ,
object.Equals(object) , object.Equals(object, object) , object.GetHashCode() ,
object.GetType() , object.MemberwiseClone() , object.ReferenceEquals(object, object) ,
object.ToString()
```

Constructors

AddBookToCartRequestValidator(IConfiguration)

```
public AddBookToCartRequestValidator(IConfiguration configuration)
```

Parameters

configuration [IConfiguration](#)

Class DeleteBookFromCartRequestValidator

Namespace: [ShopApi.Features.CartFeature.Validators](#)

Assembly: ShopApi.dll

```
public class DeleteBookFromCartRequestValidator :  
AbstractValidator<DeleteCartBookFromCartRequest>,  
IValidator<DeleteCartBookFromCartRequest>, IValidator, IEnumerable<IValidationRule>,  
IEnumerable
```

Inheritance

[object](#) ← AbstractValidator<[DeleteCartBookFromCartRequest](#)> ←
DeleteBookFromCartRequestValidator

Implements

IValidator<[DeleteCartBookFromCartRequest](#)>, IValidator, [IEnumerable](#)<IValidationRule>,
[IEnumerable](#)

Inherited Members

AbstractValidator<DeleteCartBookFromCartRequest>.Validate(DeleteCartBookFromCartRequest),
[AbstractValidator<DeleteCartBookFromCartRequest>.ValidateAsync\(DeleteCartBookFromCartRequest, CancellationToken\)](#),
AbstractValidator<DeleteCartBookFromCartRequest>.Validate(ValidationContext<DeleteCartBookFromCartRequest>),
[AbstractValidator<DeleteCartBookFromCartRequest>.ValidateAsync\(ValidationContext<DeleteCartBookFromCartRequest>, CancellationToken\)](#),
AbstractValidator<DeleteCartBookFromCartRequest>.CreateDescriptor(),
[AbstractValidator<DeleteCartBookFromCartRequest>.RuleFor<TPROPERTY>\(Expression<Func<DeleteCartBookFromCartRequest, TPROPERTY>>\)](#),
[AbstractValidator<DeleteCartBookFromCartRequest>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<DeleteCartBookFromCartRequest, TPROPERTY>>, Func<TPROPERTY, TTRANSFORMED>\)](#),
[AbstractValidator<DeleteCartBookFromCartRequest>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<DeleteCartBookFromCartRequest, TPROPERTY>>, Func<DeleteCartBookFromCartRequest, TPROPERTY, TTRANSFORMED>\)](#),
[AbstractValidator<DeleteCartBookFromCartRequest>.RuleForEach<TELEMENT>\(Expression<Func<DeleteCartBookFromCartRequest, IEnumerable<TELEMENT>>\)](#),

[AbstractValidator<DeleteCartBookFromCartRequest>.TransformForEach<TElement,](#)
[TTransformed>\(Expression<Func<DeleteCartBookFromCartRequest,](#)
[IEnumerable<TElement>>>, Func<TElement, TTransformed>\) ↴ ,](#)
[AbstractValidator<DeleteCartBookFromCartRequest>.TransformForEach<TElement,](#)
[TTransformed>\(Expression<Func<DeleteCartBookFromCartRequest,](#)
[IEnumerable<TElement>>>, Func<DeleteCartBookFromCartRequest, TElement,](#)
[TTransformed>\) ↴ ,](#)
[AbstractValidator<DeleteCartBookFromCartRequest>.RuleSet\(string, Action\) ↴ ,](#)
[AbstractValidator<DeleteCartBookFromCartRequest>.When\(Func<DeleteCartBookFromCart](#)
[Request, bool>, Action\) ↴ ,](#)
[AbstractValidator<DeleteCartBookFromCartRequest>.When\(Func<DeleteCartBookFromCart](#)
[Request, ValidationContext<DeleteCartBookFromCartRequest>, bool>, Action\) ↴ ,](#)
[AbstractValidator<DeleteCartBookFromCartRequest>.Unless\(Func<DeleteCartBookFromCar](#)
[tRequest, bool>, Action\) ↴ ,](#)
[AbstractValidator<DeleteCartBookFromCartRequest>.Unless\(Func<DeleteCartBookFromCar](#)
[tRequest, ValidationContext<DeleteCartBookFromCartRequest>, bool>, Action\) ↴ ,](#)
[AbstractValidator<DeleteCartBookFromCartRequest>.WhenAsync\(Func<DeleteCartBookFro](#)
[mCartRequest, CancellationToken, Task<bool>>, Action\) ↴ ,](#)
[AbstractValidator<DeleteCartBookFromCartRequest>.WhenAsync\(Func<DeleteCartBookFro](#)
[mCartRequest, ValidationContext<DeleteCartBookFromCartRequest>, CancellationToken,](#)
[Task<bool>>, Action\) ↴ ,](#)
[AbstractValidator<DeleteCartBookFromCartRequest>.UnlessAsync\(Func<DeleteCartBookFr](#)
[omCartRequest, CancellationToken, Task<bool>>, Action\) ↴ ,](#)
[AbstractValidator<DeleteCartBookFromCartRequest>.UnlessAsync\(Func<DeleteCartBookFr](#)
[omCartRequest, ValidationContext<DeleteCartBookFromCartRequest>, CancellationToken,](#)
[Task<bool>>, Action\) ↴ ,](#)
AbstractValidator<DeleteCartBookFromCartRequest>.Include(IValidator<DeleteCartBookFro
mCartRequest>),
[AbstractValidator<DeleteCartBookFromCartRequest>.Include<TValidator>](#)
[\(Func<DeleteCartBookFromCartRequest, TValidator>\) ↴ ,](#)
AbstractValidator<DeleteCartBookFromCartRequest>.GetEnumerator() ,
[AbstractValidator<DeleteCartBookFromCartRequest>.EnsureInstanceNotNull\(object\) ↴ ,](#)
AbstractValidator<DeleteCartBookFromCartRequest>.PreValidate(ValidationContext<Delete
CartBookFromCartRequest>, ValidationResult) ,
AbstractValidator<DeleteCartBookFromCartRequest>.RaiseValidationException(ValidationC
ontext<DeleteCartBookFromCartRequest>, ValidationResult) ,
AbstractValidator<DeleteCartBookFromCartRequest>.CascadeMode ,
AbstractValidator<DeleteCartBookFromCartRequest>.ClassLevelCascadeMode ,
AbstractValidator<DeleteCartBookFromCartRequest>.RuleLevelCascadeMode ,
[object.Equals\(object\) ↴ , object.Equals\(object, object\) ↴ , object.GetHashCode\(\) ↴ ,](#)

[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Constructors

DeleteBookFromCartRequestValidator()

```
public DeleteBookFromCartRequestValidator()
```

Class UpdateCartBookRequestValidator

Namespace: [ShopApi.Features.CartFeature.Validators](#)

Assembly: ShopApi.dll

```
public class UpdateCartBookRequestValidator :  
AbstractValidator<UpdateCartBookRequest>, IValidator<UpdateCartBookRequest>,  
IValidator, IEnumerable<IValidationRule>, IEnumerable
```

Inheritance

[object](#) ← AbstractValidator<[UpdateCartBookRequest](#)> ← UpdateCartBookRequestValidator

Implements

IValidator<[UpdateCartBookRequest](#)>, IValidator, [IEnumerable](#)<IValidationRule>,
[IEnumerable](#)

Inherited Members

AbstractValidator<UpdateCartBookRequest>.Validate(UpdateCartBookRequest) ,
[AbstractValidator<UpdateCartBookRequest>.ValidateAsync\(UpdateCartBookRequest, CancellationToken\)](#) ,
AbstractValidator<UpdateCartBookRequest>.Validate(ValidationContext<UpdateCartBookRequest>) ,
[AbstractValidator<UpdateCartBookRequest>.ValidateAsync\(ValidationContext<UpdateCartBookRequest>, CancellationToken\)](#) ,
AbstractValidator<UpdateCartBookRequest>.CreateDescriptor() ,
[AbstractValidator<UpdateCartBookRequest>.RuleFor<TPROPERTY>\(Expression<Func<UpdateCartBookRequest, TPROPERTY>>\)](#) ,
[AbstractValidator<UpdateCartBookRequest>.Transform<TPROPERTY, TTransformed>\(Expression<Func<UpdateCartBookRequest, TPROPERTY>>, Func<TPROPERTY, TTransformed>\)](#) ,
[AbstractValidator<UpdateCartBookRequest>.Transform<TPROPERTY, TTransformed>\(Expression<Func<UpdateCartBookRequest, TPROPERTY>>, Func<UpdateCartBookRequest, TPROPERTY, TTransformed>\)](#) ,
[AbstractValidator<UpdateCartBookRequest>.RuleForEach<TELEMENT>\(Expression<Func<UpdateCartBookRequest, IEnumerable<TELEMENT>>\)](#) ,
[AbstractValidator<UpdateCartBookRequest>.TransformForEach<TELEMENT, TTransformed>\(Expression<Func<UpdateCartBookRequest, IEnumerable<TELEMENT>>, Func<TELEMENT, TTransformed>\)](#) ,

```
AbstractValidator<UpdateCartBookRequest>.TransformForEach<TElement, TTransformed>\(Expression<Func<UpdateCartBookRequest, IEnumerable<TElement>>>, Func<UpdateCartBookRequest, TElement, TTransformed>\),
AbstractValidator<UpdateCartBookRequest>.RuleSet\(string, Action\),
AbstractValidator<UpdateCartBookRequest>.When\(Func<UpdateCartBookRequest, bool>, Action\),
AbstractValidator<UpdateCartBookRequest>.When\(Func<UpdateCartBookRequest, ValidationContext<UpdateCartBookRequest>, bool>, Action\),
AbstractValidator<UpdateCartBookRequest>.Unless\(Func<UpdateCartBookRequest, bool>, Action\),
AbstractValidator<UpdateCartBookRequest>.Unless\(Func<UpdateCartBookRequest, ValidationContext<UpdateCartBookRequest>, bool>, Action\),
AbstractValidator<UpdateCartBookRequest>.WhenAsync\(Func<UpdateCartBookRequest, CancellationToken, Task<bool>>, Action\),
AbstractValidator<UpdateCartBookRequest>.WhenAsync\(Func<UpdateCartBookRequest, ValidationContext<UpdateCartBookRequest>, CancellationToken, Task<bool>>, Action\),
AbstractValidator<UpdateCartBookRequest>.UnlessAsync\(Func<UpdateCartBookRequest, CancellationToken, Task<bool>>, Action\),
AbstractValidator<UpdateCartBookRequest>.UnlessAsync\(Func<UpdateCartBookRequest, ValidationContext<UpdateCartBookRequest>, CancellationToken, Task<bool>>, Action\),
AbstractValidator<UpdateCartBookRequest>.Include(IValidator<UpdateCartBookRequest>)

AbstractValidator<UpdateCartBookRequest>.Include<TValidator>\(Func<UpdateCartBookRequest, TValidator>\),
AbstractValidator<UpdateCartBookRequest>.GetEnumerator(),
```

[AbstractValidator<UpdateCartBookRequest>.EnsureInstanceNotNull\(object\)](#),

AbstractValidator<UpdateCartBookRequest>.PreValidate(ValidationContext<UpdateCartBookRequest>, ValidationResult),

AbstractValidator<UpdateCartBookRequest>.RaiseValidationException(ValidationContext<UpdateCartBookRequest>, ValidationResult),

AbstractValidator<UpdateCartBookRequest>.CascadeMode,

AbstractValidator<UpdateCartBookRequest>.ClassLevelCascadeMode,

AbstractValidator<UpdateCartBookRequest>.RuleLevelCascadeMode,

[object.Equals\(object\)](#), [object.Equals\(object, object\)](#), [object.GetHashCode\(\)](#),

[object.GetType\(\)](#), [object.MemberwiseClone\(\)](#), [object.ReferenceEquals\(object, object\)](#),

[object.ToString\(\)](#)

Constructors

UpdateCartBookRequestValidator(IConfiguration)

```
public UpdateCartBookRequestValidator(IConfiguration configuration)
```

Parameters

configuration [IConfiguration](#)

Namespace ShopApi.Features.Client Feature.Command.CreateClient Classes

[CreateClientForUserCommand](#)

[CreateClientForUserCommandHandler](#)

Class CreateClientForUserCommand

Namespace: [ShopApi.Features.ClientFeature.Command.CreateClient](#)

Assembly: ShopApi.dll

```
public record CreateClientForUserCommand : IRequest<ClientResponse>, IBaseRequest,  
IEquatable<CreateClientForUserCommand>
```

Inheritance

[object](#) ← CreateClientForUserCommand

Implements

IRequest<[ClientResponse](#)>, IBaseRequest, [IEquatable](#)<[CreateClientForUserCommand](#)>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

CreateClientForUserCommand(string, CreateClientRequest)

```
public CreateClientForUserCommand(string UserId, CreateClientRequest Request)
```

Parameters

UserId [string](#)

Request [CreateClientRequest](#)

Properties

Request

```
public CreateClientRequest Request { get; init; }
```

Property Value

[CreateClientRequest](#)

UserId

```
public string UserId { get; init; }
```

Property Value

[string](#) ↗

Class CreateClientForUserCommandHandler

Namespace: [ShopApi.Features.ClientFeature.Command.CreateClient](#)

Assembly: ShopApi.dll

```
public class CreateClientForUserCommandHandler :  
 IRequestHandler<CreateClientForUserCommand, ClientResponse>
```

Inheritance

[object](#) ← CreateClientForUserCommandHandler

Implements

IRequestHandler<[CreateClientForUserCommand](#), [ClientResponse](#)>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

CreateClientForUserCommandHandler(IClientService, IMapper)

```
public CreateClientForUserCommandHandler(IClientService clientService,  
 IMapper mapper)
```

Parameters

clientService [IClientService](#)

mapper [IMapper](#)

Methods

Handle(CreateClientForUserCommand, CancellationToken)

Handles a request

```
public Task<ClientResponse> Handle(CreateClientForUserCommand command,  
CancellationToken cancellationToken)
```

Parameters

command [CreateClientForUserCommand](#)

cancellationToken [CancellationToken](#)

Cancellation token

Returns

[Task](#)<ClientResponse>

Response from the request

Namespace ShopApi.Features.Client Feature.Command.GetClient Classes

[GetClientForUserQuery](#)

[GetClientForUserQueryHandler](#)

Class GetClientForUserQuery

Namespace: [ShopApi.Features.ClientFeature.Command.GetClient](#)

Assembly: ShopApi.dll

```
public record GetClientForUserQuery : IRequest<GetClientResponse>, IBaseRequest,  
IEquatable<GetClientForUserQuery>
```

Inheritance

[object](#) ← GetClientForUserQuery

Implements

IRequest<[GetClientResponse](#)>, IBaseRequest, IEquatable<[GetClientForUserQuery](#)>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

GetClientForUserQuery(string)

```
public GetClientForUserQuery(string UserId)
```

Parameters

UserId [string](#)

Properties

UserId

```
public string UserId { get; init; }
```

Property Value

[string](#) ↗

Class GetClientForUserQueryHandler

Namespace: [ShopApi.Features.ClientFeature.Command.GetClient](#)

Assembly: ShopApi.dll

```
public class GetClientForUserQueryHandler : IRequestHandler<GetClientForUserQuery, GetClientResponse>
```

Inheritance

[object](#) ← GetClientForUserQueryHandler

Implements

IRequestHandler<[GetClientForUserQuery](#), [GetClientResponse](#)>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

GetClientForUserQueryHandler(IClientService, IMapper)

```
public GetClientForUserQueryHandler(IClientService clientService, IMapper mapper)
```

Parameters

clientService [IClientService](#)

mapper [IMapper](#)

Methods

Handle(GetClientForUserQuery, CancellationToken)

Handles a request

```
public Task<GetClientResponse> Handle(GetClientForUserQuery command,  
CancellationToken cancellationToken)
```

Parameters

command [GetClientForUserQuery](#)

cancellationToken [CancellationToken](#)

Cancellation token

Returns

[Task](#) <[GetClientResponse](#)>

Response from the request

Namespace ShopApi.Features.Client Feature.Command.UpdateClient Classes

[UpdateClientForUserCommand](#)

[UpdateClientForUserCommandHandler](#)

Class UpdateClientForUserCommand

Namespace: [ShopApi.Features.ClientFeature.Command.UpdateClient](#)

Assembly: ShopApi.dll

```
public record UpdateClientForUserCommand : IRequest<ClientResponse>, IBaseRequest,  
IEquatable<UpdateClientForUserCommand>
```

Inheritance

[object](#) ← UpdateClientForUserCommand

Implements

IRequest<[ClientResponse](#)>, IBaseRequest, [IEquatable](#)<[UpdateClientForUserCommand](#)>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

UpdateClientForUserCommand(string, UpdateClientRequest)

```
public UpdateClientForUserCommand(string UserId, UpdateClientRequest Request)
```

Parameters

UserId [string](#)

Request [UpdateClientRequest](#)

Properties

Request

```
public UpdateClientRequest Request { get; init; }
```

Property Value

[UpdateClientRequest](#)

UserId

```
public string UserId { get; init; }
```

Property Value

[string](#) ↗

Class UpdateClientForUserCommandHandler

Namespace: [ShopApi.Features.ClientFeature.Command.UpdateClient](#)

Assembly: ShopApi.dll

```
public class UpdateClientForUserCommandHandler :  
    IRequestHandler<UpdateClientForUserCommand, ClientResponse>
```

Inheritance

[object](#) ← UpdateClientForUserCommandHandler

Implements

IRequestHandler<[UpdateClientForUserCommand](#), [ClientResponse](#)>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

UpdateClientForUserCommandHandler(IClientService, IMapper)

```
public UpdateClientForUserCommandHandler(IClientService clientService,  
    IMapper mapper)
```

Parameters

clientService [IClientService](#)

mapper IMapper

Methods

Handle(UpdateClientForUserCommand, CancellationToken)

Handles a request

```
public Task<ClientResponse> Handle(UpdateClientForUserCommand command,  
CancellationToken cancellationToken)
```

Parameters

command [UpdateClientForUserCommand](#)

cancellationToken [CancellationToken](#)

Cancellation token

Returns

[Task](#)<[ClientResponse](#)>

Response from the request

Namespace ShopApi.Features.Client Feature.Dtos

Classes

[CreateClientRequest](#)

[GetClientResponse](#)

[UpdateClientRequest](#)

Class CreateClientRequest

Namespace: [ShopApi.Features.ClientFeature.Dtos](#)

Assembly: ShopApi.dll

```
public class CreateClientRequest
```

Inheritance

[object](#) ← CreateClientRequest

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

Address

```
public string? Address { get; set; }
```

Property Value

[string](#)

DateOfBirth

```
public DateTime DateOfBirth { get; set; }
```

Property Value

[DateTime](#)

Email

```
public string? Email { get; set; }
```

Property Value

[string](#) ↗

LastName

```
public string? LastName { get; set; }
```

Property Value

[string](#) ↗

MiddleName

```
public string? MiddleName { get; set; }
```

Property Value

[string](#) ↗

Name

```
public string? Name { get; set; }
```

Property Value

[string](#) ↗

Phone

```
public string? Phone { get; set; }
```

Property Value

[string](#) ↗

Class GetClientResponse

Namespace: [ShopApi.Features.ClientFeature.Dtos](#)

Assembly: ShopApi.dll

```
public class GetClientResponse
```

Inheritance

[object](#) ← GetClientResponse

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

Client

```
public ClientResponse? Client { get; set; }
```

Property Value

[ClientResponse](#)

Class UpdateClientRequest

Namespace: [ShopApi.Features.ClientFeature.Dtos](#)

Assembly: ShopApi.dll

```
public class UpdateClientRequest
```

Inheritance

[object](#) ← UpdateClientRequest

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

Address

```
public string? Address { get; set; }
```

Property Value

[string](#)

DateOfBirth

```
public DateTime DateOfBirth { get; set; }
```

Property Value

[DateTime](#)

Email

```
public string? Email { get; set; }
```

Property Value

[string](#) ↗

LastName

```
public string? LastName { get; set; }
```

Property Value

[string](#) ↗

MiddleName

```
public string? MiddleName { get; set; }
```

Property Value

[string](#) ↗

Name

```
public string? Name { get; set; }
```

Property Value

[string](#) ↗

Phone

```
public string? Phone { get; set; }
```

Property Value

[string](#) ↗

Namespace ShopApi.Features.Client Feature.Services

Classes

[ClientService](#)

Interfaces

[IClientService](#)

Class ClientService

Namespace: [ShopApi.Features.ClientFeature.Services](#)

Assembly: ShopApi.dll

```
public class ClientService : IClientService
```

Inheritance

[object](#) ← ClientService

Implements

[IClientService](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

ClientService(IClientRepository)

```
public ClientService(IClientRepository repository)
```

Parameters

repository [IClientRepository](#)

Methods

CreateClientAsync(Client, CancellationToken)

```
public Task<Client> CreateClientAsync(Client client, CancellationToken  
cancellationToken)
```

Parameters

client [Client](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[Client](#)>

DeleteClientAsync(string, CancellationToken)

```
public Task DeleteClientAsync(string userId, CancellationToken cancellationToken)
```

Parameters

userId [string](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)

GetClientByUserIdAsync(string, CancellationToken)

```
public Task<Client?> GetClientByUserIdAsync(string userId,  
CancellationToken cancellationToken)
```

Parameters

userId [string](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[Client](#)>

UpdateClientAsync(Client, CancellationToken)

```
public Task<Client> UpdateClientAsync(Client client, CancellationToken  
cancellationToken)
```

Parameters

client [Client](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#) <Client>

Interface IClientService

Namespace: [ShopApi.Features.ClientFeature.Services](#)

Assembly: ShopApi.dll

```
public interface IClientService
```

Methods

CreateClientAsync(Client, CancellationToken)

```
Task<Client> CreateClientAsync(Client client, CancellationToken cancellationToken)
```

Parameters

client [Client](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[Client](#)>

DeleteClientAsync(string, CancellationToken)

```
Task DeleteClientAsync(string userId, CancellationToken cancellationToken)
```

Parameters

userId [string](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)

GetClientByUserIdAsync(string, CancellationToken)

```
Task<Client?> GetClientByUserIdAsync(string userId, CancellationToken cancellationToken)
```

Parameters

userId [string](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<Client>

UpdateClientAsync(Client, CancellationToken)

```
Task<Client> UpdateClientAsync(Client client, CancellationToken cancellationToken)
```

Parameters

client [Client](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<Client>

Namespace ShopApi.Features.Client FeatureValidators

Classes

[CreateClientRequestValidator](#)

[UpdateClientRequestValidator](#)

Class CreateClientRequestValidator

Namespace: [ShopApi.Features.ClientFeature.Validators](#)

Assembly: ShopApi.dll

```
public class CreateClientRequestValidator : AbstractValidator<CreateClientRequest>,  
IValidator<CreateClientRequest>, IValidator, IEnumerable<IValidationRule>,  
IEnumerable
```

Inheritance

[object](#) ← AbstractValidator<[CreateClientRequest](#)> ← CreateClientRequestValidator

Implements

IValidator<[CreateClientRequest](#)>, IValidator, [IEnumerable](#)<IValidationRule>,
[IEnumerable](#)

Inherited Members

AbstractValidator<CreateClientRequest>.Validate(CreateClientRequest) ,
[AbstractValidator<CreateClientRequest>.ValidateAsync\(CreateClientRequest, CancellationToken\)](#) ,
AbstractValidator<CreateClientRequest>.Validate(ValidationContext<CreateClientRequest>) ,
[AbstractValidator<CreateClientRequest>.ValidateAsync\(ValidationContext<CreateClientRequest>, CancellationToken\)](#) ,
AbstractValidator<CreateClientRequest>.CreateDescriptor() ,
[AbstractValidator<CreateClientRequest>.RuleFor<TPROPERTY>\(Expression<Func<CreateClientRequest, TPROPERTY>>\)](#) ,
[AbstractValidator<CreateClientRequest>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<CreateClientRequest, TPROPERTY>>, Func<TPROPERTY, TTRANSFORMED>\)](#) ,
[AbstractValidator<CreateClientRequest>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<CreateClientRequest, TPROPERTY>>, Func<CreateClientRequest, TPROPERTY, TTRANSFORMED>\)](#) ,
[AbstractValidator<CreateClientRequest>.RuleForEach<TELEMENT>\(Expression<Func<CreateClientRequest, IEnumerable<TELEMENT>>\)](#) ,
[AbstractValidator<CreateClientRequest>.TransformForEach<TELEMENT, TTRANSFORMED>\(Expression<Func<CreateClientRequest, IEnumerable<TELEMENT>>, Func<TELEMENT, TTRANSFORMED>\)](#) ,

[AbstractValidator<CreateClientRequest>.TransformForEach<TElement, TTransformed>\(Expression<Func<CreateClientRequest, IEnumerable<TElement>>>, Func<CreateClientRequest, TElement, TTransformed>\) ↴ ,](#)
[AbstractValidator<CreateClientRequest>.RuleSet\(string, Action\) ↴ ,](#)
[AbstractValidator<CreateClientRequest>.When\(Func<CreateClientRequest, bool>, Action\) ↴ ,](#)
[AbstractValidator<CreateClientRequest>.When\(Func<CreateClientRequest, ValidationContext<CreateClientRequest>, bool>, Action\) ↴ ,](#)
[AbstractValidator<CreateClientRequest>.Unless\(Func<CreateClientRequest, bool>, Action\) ↴ ,](#)
[AbstractValidator<CreateClientRequest>.Unless\(Func<CreateClientRequest, ValidationContext<CreateClientRequest>, bool>, Action\) ↴ ,](#)
[AbstractValidator<CreateClientRequest>.WhenAsync\(Func<CreateClientRequest, CancellationToken, Task<bool>>, Action\) ↴ ,](#)
[AbstractValidator<CreateClientRequest>.WhenAsync\(Func<CreateClientRequest, ValidationContext<CreateClientRequest>, CancellationToken, Task<bool>>, Action\) ↴ ,](#)
[AbstractValidator<CreateClientRequest>.UnlessAsync\(Func<CreateClientRequest, CancellationToken, Task<bool>>, Action\) ↴ ,](#)
[AbstractValidator<CreateClientRequest>.UnlessAsync\(Func<CreateClientRequest, ValidationContext<CreateClientRequest>, CancellationToken, Task<bool>>, Action\) ↴ ,](#)
[AbstractValidator<CreateClientRequest>.Include\(IValidator<CreateClientRequest>\) ,](#)
[AbstractValidator<CreateClientRequest>.Include<TValidator>\(Func<CreateClientRequest, TValidator>\) ↴ ,](#)
[AbstractValidator<CreateClientRequest>.GetEnumerator\(\) ,](#)
[AbstractValidator<CreateClientRequest>.EnsureInstanceNotNull\(object\) ↴ ,](#)
[AbstractValidator<CreateClientRequest>.PreValidate\(ValidationContext<CreateClientRequest>, ValidationResult\) ,](#)
[AbstractValidator<CreateClientRequest>.RaiseValidationException\(ValidationContext<CreateClientRequest>, ValidationResult\) ,](#)
[AbstractValidator<CreateClientRequest>.CascadeMode ,](#)
[AbstractValidator<CreateClientRequest>.ClassLevelCascadeMode ,](#)
[AbstractValidator<CreateClientRequest>.RuleLevelCascadeMode , object.Equals\(object\) ↴ , object.Equals\(object, object\) ↴ , object.GetHashCode\(\) ↴ , object.GetType\(\) ↴ , object.MemberwiseClone\(\) ↴ , object.ReferenceEquals\(object, object\) ↴ , object.ToString\(\) ↴](#)

Constructors

CreateClientRequestValidator()

```
public CreateClientRequestValidator()
```

Class UpdateClientRequestValidator

Namespace: [ShopApi.Features.ClientFeatureValidators](#)

Assembly: ShopApi.dll

```
public class UpdateClientRequestValidator : AbstractValidator<UpdateClientRequest>,  
IValidator<UpdateClientRequest>, IValidator, IEnumerable<IValidationRule>,  
IEnumerable
```

Inheritance

[object](#) ← AbstractValidator<[UpdateClientRequest](#)> ← UpdateClientRequestValidator

Implements

IValidator<[UpdateClientRequest](#)>, IValidator, [IEnumerable](#)<IValidationRule>,
[IEnumerable](#)

Inherited Members

AbstractValidator<UpdateClientRequest>.Validate(UpdateClientRequest) ,
[AbstractValidator<UpdateClientRequest>.ValidateAsync\(UpdateClientRequest, CancellationToken\)](#) ,
AbstractValidator<UpdateClientRequest>.Validate(ValidationContext<UpdateClientRequest>) ,
[AbstractValidator<UpdateClientRequest>.ValidateAsync\(ValidationContext<UpdateClientRequest>, CancellationToken\)](#) ,
AbstractValidator<UpdateClientRequest>.CreateDescriptor() ,
[AbstractValidator<UpdateClientRequest>.RuleFor<TPROPERTY>\(Expression<Func<UpdateClientRequest, TPROPERTY>>\)](#) ,
[AbstractValidator<UpdateClientRequest>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<UpdateClientRequest, TPROPERTY>>, Func<TPROPERTY, TTRANSFORMED>\)](#) ,

[AbstractValidator<UpdateClientRequest>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<UpdateClientRequest, TPROPERTY>>, Func<UpdateClientRequest, TPROPERTY, TTRANSFORMED>\)](#) ,
[AbstractValidator<UpdateClientRequest>.RuleForEach<TELEMENT>\(Expression<Func<UpdateClientRequest, IEnumerable<TELEMENT>>>\)](#) ,
[AbstractValidator<UpdateClientRequest>.TransformForEach<TELEMENT, TTRANSFORMED>\(Expression<Func<UpdateClientRequest, IEnumerable<TELEMENT>>>, Func<TELEMENT, TTRANSFORMED>\)](#) ,

```
AbstractValidator<UpdateClientRequest>.TransformForEach<TElement, TTransformed>\(Expression<Func<UpdateClientRequest, IEnumerable<TElement>>>, Func<UpdateClientRequest, TElement, TTransformed>\) ,
AbstractValidator<UpdateClientRequest>.RuleSet\(string, Action\) ,
AbstractValidator<UpdateClientRequest>.When\(Func<UpdateClientRequest, bool>, Action\)
↗ ,
AbstractValidator<UpdateClientRequest>.When\(Func<UpdateClientRequest, ValidationContext<UpdateClientRequest>, bool>, Action\) ,
AbstractValidator<UpdateClientRequest>.Unless\(Func<UpdateClientRequest, bool>, Action\) ,
AbstractValidator<UpdateClientRequest>.Unless\(Func<UpdateClientRequest, ValidationContext<UpdateClientRequest>, bool>, Action\) ,
AbstractValidator<UpdateClientRequest>.WhenAsync\(Func<UpdateClientRequest, CancellationToken, Task<bool>>, Action\) ,
AbstractValidator<UpdateClientRequest>.WhenAsync\(Func<UpdateClientRequest, ValidationContext<UpdateClientRequest>, CancellationToken, Task<bool>>, Action\) ,
AbstractValidator<UpdateClientRequest>.UnlessAsync\(Func<UpdateClientRequest, CancellationToken, Task<bool>>, Action\) ,
AbstractValidator<UpdateClientRequest>.UnlessAsync\(Func<UpdateClientRequest, ValidationContext<UpdateClientRequest>, CancellationToken, Task<bool>>, Action\) ,
AbstractValidator<UpdateClientRequest>.Include(IValidator<UpdateClientRequest>) ,
AbstractValidator<UpdateClientRequest>.Include<TValidator>\(Func<UpdateClientRequest, TValidator>\) ,
AbstractValidator<UpdateClientRequest>.GetEnumerator() ,
AbstractValidator<UpdateClientRequest>.EnsureInstanceNotNull\(object\) ,
AbstractValidator<UpdateClientRequest>.PreValidate(ValidationContext<UpdateClientRequest>, ValidationResult) ,
AbstractValidator<UpdateClientRequest>.RaiseValidationException(ValidationContext<UpdateClientRequest>, ValidationResult) ,
AbstractValidator<UpdateClientRequest>.CascadeMode ,
AbstractValidator<UpdateClientRequest>.ClassLevelCascadeMode ,
AbstractValidator<UpdateClientRequest>.RuleLevelCascadeMode , object.Equals\(object\) , object.Equals\(object, object\) , object.GetHashCode\(\) , object.GetType\(\) , object.MemberwiseClone\(\) , object.ReferenceEquals\(object, object\) , object.ToString\(\) ,
```

Constructors

UpdateClientRequestValidator()

```
public UpdateClientRequestValidator()
```

Namespace ShopApi.Features.Order

Feature.Command.CancelOrder

Classes

[CancelOrderCommand](#)

[CancelOrderCommandHandler](#)

Class CancelOrderCommand

Namespace: [ShopApi.Features.OrderFeature.Command.CancelOrder](#)

Assembly: ShopApi.dll

```
public record CancelOrderCommand : IRequest<Unit>, IBaseRequest,  
IEquatable<CancelOrderCommand>
```

Inheritance

[object](#) ← CancelOrderCommand

Implements

IRequest<Unit>, IBaseRequest, [IEquatable](#)<[CancelOrderCommand](#)>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

CancelOrderCommand(string, int)

```
public CancelOrderCommand(string UserId, int OrderId)
```

Parameters

UserId [string](#)

OrderId [int](#)

Properties

OrderId

```
public int OrderId { get; init; }
```

Property Value

[int](#)

UserId

```
public string UserId { get; init; }
```

Property Value

[string](#)

Class CancelOrderCommandHandler

Namespace: [ShopApi.Features.OrderFeature.Command.CancelOrder](#)

Assembly: ShopApi.dll

```
public class CancelOrderCommandHandler : IRequestHandler<CancelOrderCommand, Unit>
```

Inheritance

[object](#) ← CancelOrderCommandHandler

Implements

IRequestHandler<[CancelOrderCommand](#), Unit>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

CancelOrderCommandHandler(IOrderService,
IClientService, IStockBookOrderService)

```
public CancelOrderCommandHandler(IOrderService orderService, IClientService  
clientService, IStockBookOrderService stockBookOrderService)
```

Parameters

orderService [IOrderService](#)

clientService [IClientService](#)

stockBookOrderService [IStockBookOrderService](#)

Methods

Handle(CancelOrderCommand, CancellationToken)

Handles a request

```
public Task<Unit> Handle(CancelOrderCommand command, CancellationToken cancellationToken)
```

Parameters

command [CancelOrderCommand](#)

cancellationToken [CancellationToken](#)

Cancellation token

Returns

[Task](#)<Unit>

Response from the request

Namespace ShopApi.Features.Order

Feature.Command.CreateOrder

Classes

[CreateOrderCommand](#)

[CreateOrderCommandHandler](#)

Class CreateOrderCommand

Namespace: [ShopApi.Features.OrderFeature.Command.CreateOrder](#)

Assembly: ShopApi.dll

```
public record CreateOrderCommand : IRequest<OrderResponse>, IBaseRequest,  
IEquatable<CreateOrderCommand>
```

Inheritance

[object](#) ← CreateOrderCommand

Implements

IRequest<[OrderResponse](#)>, IBaseRequest, [IEquatable](#)<[CreateOrderCommand](#)>

Inherited Members

[object.Equals\(object\)](#), [object.Equals\(object, object\)](#), [object.GetHashCode\(\)](#),
[object.GetType\(\)](#), [object.MemberwiseClone\(\)](#), [object.ReferenceEquals\(object, object\)](#),
[object.ToString\(\)](#)

Constructors

CreateOrderCommand(string, CreateOrderRequest)

```
public CreateOrderCommand(string UserId, CreateOrderRequest Request)
```

Parameters

UserId [string](#)

Request [CreateOrderRequest](#)

Properties

Request

```
public CreateOrderRequest Request { get; init; }
```

Property Value

[CreateOrderRequest](#)

UserId

```
public string UserId { get; init; }
```

Property Value

[string](#) ↗

Class CreateOrderCommandHandler

Namespace: [ShopApi.Features.OrderFeature.Command.CreateOrder](#)

Assembly: ShopApi.dll

```
public class CreateOrderCommandHandler : IRequestHandler<CreateOrderCommand,  
OrderResponse>
```

Inheritance

[object](#) ← CreateOrderCommandHandler

Implements

IRequestHandler<[CreateOrderCommand](#), [OrderResponse](#)>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

CreateOrderCommandHandler(IOrderService, IClientService, IStockBookOrderService, ILibraryService, IMapper)

```
public CreateOrderCommandHandler(IOrderService orderService, IClientService  
clientService, IStockBookOrderService stockBookOrderService, ILibraryService  
libraryService, IMapper mapper)
```

Parameters

orderService [IOrderService](#)

clientService [IClientService](#)

stockBookOrderService [IStockBookOrderService](#)

libraryService [ILibraryService](#)

mapper IMapper

Methods

Handle(CreateOrderCommand, CancellationToken)

Handles a request

```
public Task<OrderResponse> Handle(CreateOrderCommand command,  
CancellationToken cancellationToken)
```

Parameters

command [CreateOrderCommand](#)

cancellationToken [CancellationToken](#)

Cancellation token

Returns

[Task](#)<OrderResponse>

Response from the request

Namespace ShopApi.Features.Order Feature.Command.GetOrderAmount Classes

[GetOrderAmountQuery](#)

[GetOrderAmountQueryHandler](#)

Class GetOrderAmountQuery

Namespace: [ShopApi.Features.OrderFeature.Command.GetOrderAmount](#)

Assembly: ShopApi.dll

```
public record GetOrderAmountQuery : IRequest<int>, IBaseRequest,  
IEquatable<GetOrderAmountQuery>
```

Inheritance

[object](#) ← GetOrderAmountQuery

Implements

IRequest<[int](#)>, IBaseRequest, [IEquatable](#)<[GetOrderAmountQuery](#)>

Inherited Members

[object.Equals\(object\)](#), [object.Equals\(object, object\)](#), [object.GetHashCode\(\)](#),
[object.GetType\(\)](#), [object.MemberwiseClone\(\)](#), [object.ReferenceEquals\(object, object\)](#),
[object.ToString\(\)](#)

Constructors

GetOrderAmountQuery(string, GetOrdersFilter)

```
public GetOrderAmountQuery(string UserId, GetOrdersFilter Request)
```

Parameters

UserId [string](#)

Request [GetOrdersFilter](#)

Properties

Request

```
public GetOrdersFilter Request { get; init; }
```

Property Value

[GetOrdersFilter](#)

UserId

```
public string UserId { get; init; }
```

Property Value

[string](#) ↗

Class GetOrderAmountQueryHandler

Namespace: [ShopApi.Features.OrderFeature.Command.GetOrderAmount](#)

Assembly: ShopApi.dll

```
public class GetOrderAmountQueryHandler : IRequestHandler<GetOrderAmountQuery, int>
```

Inheritance

[object](#) ← GetOrderAmountQueryHandler

Implements

IRequestHandler<[GetOrderAmountQuery](#), [int](#)>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

GetOrderAmountQueryHandler(IOrderService, IClientService)

```
public GetOrderAmountQueryHandler(IOrderService orderService,  
IClientService clientService)
```

Parameters

orderService [IOrderService](#)

clientService [IClientService](#)

Methods

Handle(GetOrderAmountQuery, CancellationToken)

Handles a request

```
public Task<int> Handle(GetOrderAmountQuery command, CancellationToken  
cancellationToken)
```

Parameters

command [GetOrderAmountQuery](#)

cancellationToken [CancellationToken](#)

Cancellation token

Returns

[Task](#)<int>

Response from the request

Namespace ShopApi.Features.Order Feature.Command.GetOrders

Classes

[GetOrdersQuery](#)

[GetOrdersQueryHandler](#)

Class GetOrdersQuery

Namespace: [ShopApi.Features.OrderFeature.Command.GetOrders](#)

Assembly: ShopApi.dll

```
public record GetOrdersQuery : IRequest<IEnumerable<OrderResponse>>,  
    IBaseRequest, IEquatable<GetOrdersQuery>
```

Inheritance

[object](#) ← GetOrdersQuery

Implements

IRequest<[IEnumerable](#)<[OrderResponse](#)>>, IBaseRequest,
[IEquatable](#)<[GetOrdersQuery](#)>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

GetOrdersQuery(string, GetOrdersFilter)

```
public GetOrdersQuery(string UserId, GetOrdersFilter Request)
```

Parameters

UserId [string](#)

Request [GetOrdersFilter](#)

Properties

Request

```
public GetOrdersFilter Request { get; init; }
```

Property Value

[GetOrdersFilter](#)

UserId

```
public string UserId { get; init; }
```

Property Value

[string](#) ↗

Class GetOrdersQueryHandler

Namespace: [ShopApi.Features.OrderFeature.Command.GetOrders](#)

Assembly: ShopApi.dll

```
public class GetOrdersQueryHandler : IRequestHandler<GetOrdersQuery,  
IEnumerable<OrderResponse>>
```

Inheritance

[object](#) ← GetOrdersQueryHandler

Implements

IRequestHandler<[GetOrdersQuery](#), [IEnumerable](#)<[OrderResponse](#)>>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

GetOrdersQueryHandler(IOrderService, IClientService,
ILibraryService, IMapper)

```
public GetOrdersQueryHandler(IOrderService orderService, IClientService  
clientService, ILibraryService libraryService, IMapper mapper)
```

Parameters

orderService [IOrderService](#)

clientService [IClientService](#)

libraryService [ILibraryService](#)

mapper IMapper

Methods

Handle(GetOrdersQuery, CancellationToken)

Handles a request

```
public Task<IEnumerable<OrderResponse>> Handle(GetOrdersQuery command,  
CancellationToken cancellationToken)
```

Parameters

command [GetOrdersQuery](#)

cancellationToken [CancellationToken](#)

Cancellation token

Returns

[Task](#)<[IEnumerable](#)<[OrderResponse](#)>>

Response from the request

Namespace ShopApi.Features.Order Feature.Command.ManagerCancelOrder Classes

[ManagerCancelOrderCommand](#)

[ManagerCancelOrderCommandHandler](#)

Class ManagerCancelOrderCommand

Namespace: [ShopApi.Features.OrderFeature.Command.ManagerCancelOrder](#)

Assembly: ShopApi.dll

```
public record ManagerCancelOrderCommand : IRequest<Unit>, IBaseRequest,  
IEquatable<ManagerCancelOrderCommand>
```

Inheritance

[object](#) ← ManagerCancelOrderCommand

Implements

IRequest<Unit>, IBaseRequest, [IEquatable](#)<[ManagerCancelOrderCommand](#)>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

ManagerCancelOrderCommand(int)

```
public ManagerCancelOrderCommand(int OrderId)
```

Parameters

OrderId [int](#)

Properties

OrderId

```
public int OrderId { get; init; }
```

Property Value

[int ↗](#)

Class ManagerCancelOrderCommandHandler

Namespace: [ShopApi.Features.OrderFeature.Command.ManagerCancelOrder](#)

Assembly: ShopApi.dll

```
public class ManagerCancelOrderCommandHandler :  
 IRequestHandler<ManagerCancelOrderCommand, Unit>
```

Inheritance

[object](#) ← ManagerCancelOrderCommandHandler

Implements

IRequestHandler<[ManagerCancelOrderCommand](#), Unit>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

ManagerCancelOrderCommandHandler(IOrderService, IStockBookOrderService)

```
public ManagerCancelOrderCommandHandler(IOrderService orderService,  
IStockBookOrderService stockBookOrderService)
```

Parameters

orderService [IOrderService](#)

stockBookOrderService [IStockBookOrderService](#)

Methods

Handle(ManagerCancelOrderCommand, CancellationToken)

Handles a request

```
public Task<Unit> Handle(ManagerCancelOrderCommand request,  
CancellationToken cancellationToken)
```

Parameters

request [ManagerCancelOrderCommand](#)

The request

cancellationToken [CancellationToken](#)

Cancellation token

Returns

[Task](#)<Unit>

Response from the request

Namespace ShopApi.Features.Order Feature.Command.ManagerGetOrder Amount

Classes

[ManagerGetOrderAmountQuery](#)

[ManagerGetOrderAmountQueryHandler](#)

Class ManagerGetOrderAmountQuery

Namespace: [ShopApi.Features.OrderFeature.Command.ManagerGetOrderAmount](#)

Assembly: ShopApi.dll

```
public record ManagerGetOrderAmountQuery : IRequest<int>, IBaseRequest,  
IEquatable<ManagerGetOrderAmountQuery>
```

Inheritance

[object](#) ← ManagerGetOrderAmountQuery

Implements

IRequest<[int](#)>, IBaseRequest, [IEquatable](#)<[ManagerGetOrderAmountQuery](#)>

Inherited Members

[object.Equals\(object\)](#), [object.Equals\(object, object\)](#), [object.GetHashCode\(\)](#),
[object.GetType\(\)](#), [object.MemberwiseClone\(\)](#), [object.ReferenceEquals\(object, object\)](#),
[object.ToString\(\)](#)

Constructors

ManagerGetOrderAmountQuery(GetOrdersFilter)

```
public ManagerGetOrderAmountQuery(GetOrdersFilter Filter)
```

Parameters

Filter [GetOrdersFilter](#)

Properties

Filter

```
public GetOrdersFilter Filter { get; init; }
```

Property Value

[GetOrdersFilter](#)

Class ManagerGetOrderAmountQueryHandler

Namespace: [ShopApi.Features.OrderFeature.Command.ManagerGetOrderAmount](#)

Assembly: ShopApi.dll

```
public class ManagerGetOrderAmountQueryHandler :  
    IRequestHandler<ManagerGetOrderAmountQuery, int>
```

Inheritance

[object](#) ← ManagerGetOrderAmountQueryHandler

Implements

IRequestHandler<[ManagerGetOrderAmountQuery](#), [int](#)>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

ManagerGetOrderAmountQueryHandler(IOrderService)

```
public ManagerGetOrderAmountQueryHandler(IOrderService orderService)
```

Parameters

orderService [IOrderService](#)

Methods

Handle(ManagerGetOrderAmountQuery, CancellationToken)

Handles a request

```
public Task<int> Handle(ManagerGetOrderAmountQuery request,  
CancellationToken cancellationToken)
```

Parameters

request [ManagerGetOrderAmountQuery](#)

The request

cancellationToken [CancellationToken](#)

Cancellation token

Returns

[Task](#)<int>

Response from the request

Namespace ShopApi.Features.Order Feature.Command.ManagerGetOrderId Classes

[ManagerGetOrderIdQuery](#)

[ManagerGetOrderIdQueryHandler](#)

Class ManagerGetOrderByIdQuery

Namespace: [ShopApi.Features.OrderFeature.Command.ManagerGetOrderId](#)

Assembly: ShopApi.dll

```
public record ManagerGetOrderByIdQuery : IRequest<OrderResponse?>, IBaseRequest,  
IEquatable<ManagerGetOrderByIdQuery>
```

Inheritance

[object](#) ← ManagerGetOrderByIdQuery

Implements

IRequest<[OrderResponse](#)>, IBaseRequest, [IEquatable](#)<[ManagerGetOrderByIdQuery](#)>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

ManagerGetOrderByIdQuery(int)

```
public ManagerGetOrderByIdQuery(int OrderId)
```

Parameters

OrderId [int](#)

Properties

OrderId

```
public int OrderId { get; init; }
```

Property Value

[int ↗](#)

Class ManagerGetOrderByIdQueryHandler

Namespace: [ShopApi.Features.OrderFeature.Command.ManagerGetOrderById](#)

Assembly: ShopApi.dll

```
public class ManagerGetOrderByIdQueryHandler :  
    IRequestHandler<ManagerGetOrderByIdQuery, OrderResponse?>
```

Inheritance

[object](#) ← ManagerGetOrderByIdQueryHandler

Implements

IRequestHandler<[ManagerGetOrderByIdQuery](#), [OrderResponse](#)>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

ManagerGetOrderByIdQueryHandler(IOrderService,
ILibraryService, IMapper)

```
public ManagerGetOrderByIdQueryHandler(IOrderService orderService, ILibraryService  
libraryService, IMapper mapper)
```

Parameters

orderService [IOrderService](#)

libraryService [ILibraryService](#)

mapper IMapper

Methods

Handle(ManagerGetOrderByIdQuery, CancellationToken)

Handles a request

```
public Task<OrderResponse?> Handle(ManagerGetOrderByIdQuery command,  
CancellationToken cancellationToken)
```

Parameters

command [ManagerGetOrderByIdQuery](#)

cancellationToken [CancellationToken](#)

Cancellation token

Returns

[Task](#)<OrderResponse>

Response from the request

Namespace ShopApi.Features.Order Feature.Command.ManagerGetPaginated Orders

Classes

[ManagerGetPaginatedOrdersQuery](#)

[ManagerGetPaginatedOrdersQueryHandler](#)

Class ManagerGetPaginatedOrdersQuery

Namespace: [ShopApi.Features.OrderFeature.Command.ManagerGetPaginatedOrders](#)

Assembly: ShopApi.dll

```
public record ManagerGetPaginatedOrdersQuery : IRequest<IEnumerable<OrderResponse>>,  
IBaseRequest, IEquatable<ManagerGetPaginatedOrdersQuery>
```

Inheritance

[object](#) ← ManagerGetPaginatedOrdersQuery

Implements

IRequest<[IEnumerable](#)<[OrderResponse](#)>>, IBaseRequest,
[IEquatable](#)<ManagerGetPaginatedOrdersQuery>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

ManagerGetPaginatedOrdersQuery(GetOrdersFilter)

```
public ManagerGetPaginatedOrdersQuery(GetOrdersFilter Filter)
```

Parameters

Filter [GetOrdersFilter](#)

Properties

Filter

```
public GetOrdersFilter Filter { get; init; }
```

Property Value

[GetOrdersFilter](#)

Class ManagerGetPaginatedOrdersQueryHandler

Namespace: [ShopApi.Features.OrderFeature.Command.ManagerGetPaginatedOrders](#)

Assembly: ShopApi.dll

```
public class ManagerGetPaginatedOrdersQueryHandler :  
IRequestHandler<ManagerGetPaginatedOrdersQuery, IEnumerable<OrderResponse>>
```

Inheritance

[object](#) ← ManagerGetPaginatedOrdersQueryHandler

Implements

IRequestHandler<[ManagerGetPaginatedOrdersQuery](#), [IEnumerable](#)<[OrderResponse](#)>>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

ManagerGetPaginatedOrdersQueryHandler(IOrderService, ILibraryService, IMapper)

```
public ManagerGetPaginatedOrdersQueryHandler(IOrderService orderService,  
ILibraryService libraryService, IMapper mapper)
```

Parameters

orderService [IOrderService](#)

libraryService [ILibraryService](#)

mapper [IMapper](#)

Methods

Handle(ManagerGetPaginatedOrdersQuery, CancellationToken)

Handles a request

```
public Task<IEnumerable<OrderResponse>> Handle(ManagerGetPaginatedOrdersQuery  
command, CancellationToken cancellationToken)
```

Parameters

command [ManagerGetPaginatedOrdersQuery](#)

cancellationToken [CancellationToken](#)

Cancellation token

Returns

[Task](#)<[IEnumerable](#)<[OrderResponse](#)>>

Response from the request

Namespace ShopApi.Features.Order Feature.Command.ManagerUpdateOrder Classes

[ManagerUpdateOrderCommand](#)

[ManagerUpdateOrderCommandHandler](#)

Class ManagerUpdateOrderCommand

Namespace: [ShopApi.Features.OrderFeature.Command.ManagerUpdateOrder](#)

Assembly: ShopApi.dll

```
public record ManagerUpdateOrderCommand : IRequest<OrderResponse>, IBaseRequest,  
IEquatable<ManagerUpdateOrderCommand>
```

Inheritance

[object](#) ← ManagerUpdateOrderCommand

Implements

IRequest<[OrderResponse](#)>, IBaseRequest, [IEquatable](#)<[ManagerUpdateOrderCommand](#)>

Inherited Members

[object.Equals\(object\)](#), [object.Equals\(object, object\)](#), [object.GetHashCode\(\)](#),
[object.GetType\(\)](#), [object.MemberwiseClone\(\)](#), [object.ReferenceEquals\(object, object\)](#),
[object.ToString\(\)](#)

Constructors

ManagerUpdateOrderCommand(ManagerUpdateOrderRequest Request)

Parameters
Request [ManagerUpdateOrderRequest](#)

Properties

Request

```
public ManagerUpdateOrderRequest Request { get; init; }
```

Property Value

[ManagerUpdateOrderRequest](#)

Class ManagerUpdateOrderCommandHandler

Namespace: [ShopApi.Features.OrderFeature.Command.ManagerUpdateOrder](#)

Assembly: ShopApi.dll

```
public class ManagerUpdateOrderCommandHandler :  
IRequestHandler<ManagerUpdateOrderCommand, OrderResponse>
```

Inheritance

[object](#) ← ManagerUpdateOrderCommandHandler

Implements

IRequestHandler<[ManagerUpdateOrderCommand](#), [OrderResponse](#)>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

ManagerUpdateOrderCommandHandler(IOrderService, ILibraryService, IMapper)

```
public ManagerUpdateOrderCommandHandler(IOrderService orderService, ILibraryService  
libraryService, IMapper mapper)
```

Parameters

orderService [IOrderService](#)

libraryService [ILibraryService](#)

mapper [IMapper](#)

Methods

Handle(ManagerUpdateOrderCommand, CancellationToken)

Handles a request

```
public Task<OrderResponse> Handle(ManagerUpdateOrderCommand command,  
CancellationToken cancellationToken)
```

Parameters

command [ManagerUpdateOrderCommand](#)

cancellationToken [CancellationToken](#)

Cancellation token

Returns

[Task](#)<[OrderResponse](#)>

Response from the request

Namespace ShopApi.Features.Order

Feature.Command.UpdateOrder

Classes

[UpdateOrderCommand](#)

[UpdateOrderCommandHandler](#)

Class UpdateOrderCommand

Namespace: [ShopApi.Features.OrderFeature.Command.UpdateOrder](#)

Assembly: ShopApi.dll

```
public record UpdateOrderCommand : IRequest<OrderResponse>, IBaseRequest,  
IEquatable<UpdateOrderCommand>
```

Inheritance

[object](#) ← UpdateOrderCommand

Implements

IRequest<[OrderResponse](#)>, IBaseRequest, [IEquatable](#)<[UpdateOrderCommand](#)>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

UpdateOrderCommand(string, ClientUpdateOrderRequest)

```
public UpdateOrderCommand(string UserId, ClientUpdateOrderRequest Request)
```

Parameters

UserId [string](#)

Request [ClientUpdateOrderRequest](#)

Properties

Request

```
public ClientUpdateOrderRequest Request { get; init; }
```

Property Value

[ClientUpdateOrderRequest](#)

UserId

```
public string UserId { get; init; }
```

Property Value

[string](#) ↗

Class UpdateOrderCommandHandler

Namespace: [ShopApi.Features.OrderFeature.Command.UpdateOrder](#)

Assembly: ShopApi.dll

```
public class UpdateOrderCommandHandler : IRequestHandler<UpdateOrderCommand,  
OrderResponse>
```

Inheritance

[object](#) ← UpdateOrderCommandHandler

Implements

IRequestHandler<[UpdateOrderCommand](#), [OrderResponse](#)>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

UpdateOrderCommandHandler(IOrderService,
IClientService, ILibraryService, IMapper)

```
public UpdateOrderCommandHandler(IOrderService orderService, IClientService  
clientService, ILibraryService libraryService, IMapper mapper)
```

Parameters

orderService [IOrderService](#)

clientService [IClientService](#)

libraryService [ILibraryService](#)

mapper [IMapper](#)

Methods

Handle(UpdateOrderCommand, CancellationToken)

Handles a request

```
public Task<OrderResponse> Handle(UpdateOrderCommand command,  
CancellationToken cancellationToken)
```

Parameters

command [UpdateOrderCommand](#)

cancellationToken [CancellationToken](#)

Cancellation token

Returns

[Task](#)<OrderResponse>

Response from the request

Namespace ShopApi.Features.Order Feature.Dtos

Classes

[ClientUpdateOrderRequest](#)

[CreateOrderRequest](#)

[ManagerUpdateOrderRequest](#)

[OrderBookRequest](#)

Class ClientUpdateOrderRequest

Namespace: [ShopApi.Features.OrderFeature.Dtos](#)

Assembly: ShopApi.dll

```
public class ClientUpdateOrderRequest
```

Inheritance

[object](#) ← ClientUpdateOrderRequest

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

ContactClientName

```
public string? ContactClientName { get; set; }
```

Property Value

[string](#)

ContactPhone

```
public string? ContactPhone { get; set; }
```

Property Value

[string](#)

DeliveryAddress

```
public string? DeliveryAddress { get; set; }
```

Property Value

[string](#) ↗

DeliveryMethod

```
public DeliveryMethod DeliveryMethod { get; set; }
```

Property Value

[DeliveryMethod](#)

DeliveryTime

```
public DateTime DeliveryTime { get; set; }
```

Property Value

[DateTime](#) ↗

Id

```
public int Id { get; set; }
```

Property Value

[int](#) ↗

PaymentMethod

```
public PaymentMethod PaymentMethod { get; set; }
```

Property Value

[PaymentMethod](#)

Class CreateOrderRequest

Namespace: [ShopApi.Features.OrderFeature.Dtos](#)

Assembly: ShopApi.dll

```
public class CreateOrderRequest
```

Inheritance

[object](#) ← CreateOrderRequest

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

ContactClientName

```
public string? ContactClientName { get; set; }
```

Property Value

[string](#)

ContactPhone

```
public string? ContactPhone { get; set; }
```

Property Value

[string](#)

DeliveryAddress

```
public string? DeliveryAddress { get; set; }
```

Property Value

[string](#)

DeliveryMethod

```
public DeliveryMethod DeliveryMethod { get; set; }
```

Property Value

[DeliveryMethod](#)

DeliveryTime

```
public DateTime DeliveryTime { get; set; }
```

Property Value

[DateTime](#)

OrderBooks

```
public List<OrderBookRequest> OrderBooks { get; set; }
```

Property Value

[List](#)<[OrderBookRequest](#)>

PaymentMethod

```
public PaymentMethod PaymentMethod { get; set; }
```

Property Value

[PaymentMethod](#)

Class ManagerUpdateOrderRequest

Namespace: [ShopApi.Features.OrderFeature.Dtos](#)

Assembly: ShopApi.dll

```
public class ManagerUpdateOrderRequest
```

Inheritance

[object](#) ← ManagerUpdateOrderRequest

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

DeliveryAddress

```
public string? DeliveryAddress { get; set; }
```

Property Value

[string](#)

DeliveryTime

```
public DateTime DeliveryTime { get; set; }
```

Property Value

[DateTime](#)

Id

```
public int Id { get; set; }
```

Property Value

[int](#) ↗

OrderStatus

```
public OrderStatus OrderStatus { get; set; }
```

Property Value

[OrderStatus](#)

Class OrderBookRequest

Namespace: [ShopApi.Features.OrderFeature.Dtos](#)

Assembly: ShopApi.dll

```
public class OrderBookRequest
```

Inheritance

[object](#) ← OrderBookRequest

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

BookAmount

```
public int BookAmount { get; set; }
```

Property Value

[int](#)

BookId

```
public int BookId { get; set; }
```

Property Value

[int](#)

Namespace ShopApi.Features.Order Feature.Services

Classes

[OrderService](#)

Interfaces

[IOrderService](#)

Interface IOrderService

Namespace: [ShopApi.Features.OrderFeature.Services](#)

Assembly: ShopApi.dll

```
public interface IOrderService
```

Methods

CreateOrderAsync(Order, CancellationToken)

```
Task<Order> CreateOrderAsync(Order order, CancellationToken cancellationToken)
```

Parameters

order [Order](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[Order](#)>

DeleteOrderAsync(int, CancellationToken)

```
Task DeleteOrderAsync(int id, CancellationToken cancellationToken)
```

Parameters

id [int](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)

GetOrderAmountAsync(GetOrdersFilter, CancellationToken)

```
Task<int> GetOrderAmountAsync(GetOrdersFilter filter, CancellationToken cancellationToken)
```

Parameters

filter [GetOrdersFilter](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<int>

GetOrderByIdAsync(int, CancellationToken)

```
Task<Order?> GetOrderByIdAsync(int id, CancellationToken cancellationToken)
```

Parameters

id [int](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<Order>

GetPaginatedOrdersAsync(GetOrdersFilter, CancellationToken)

```
Task<IEnumerable<Order>> GetPaginatedOrdersAsync(GetOrdersFilter filter, CancellationToken cancellationToken)
```

Parameters

`filter` [GetOrdersFilter](#)

`cancellationToken` [CancellationToken](#)

Returns

[Task](#)<[IEnumerable](#)<[Order](#)>>

UpdateOrderAsync(Order, CancellationToken)

`Task<Order> UpdateOrderAsync(Order order, CancellationToken cancellationToken)`

Parameters

`order` [Order](#)

`cancellationToken` [CancellationToken](#)

Returns

[Task](#)<[Order](#)>

Class OrderService

Namespace: [ShopApi.Features.OrderFeature.Services](#)

Assembly: ShopApi.dll

```
public class OrderService : IOrderService
```

Inheritance

[object](#) ← OrderService

Implements

[IOrderService](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

OrderService(IOrderRepository)

```
public OrderService(IOrderRepository repository)
```

Parameters

repository [IOrderRepository](#)

Methods

CreateOrderAsync(Order, CancellationToken)

```
public Task<Order> CreateOrderAsync(Order order, CancellationToken  
cancellationToken)
```

Parameters

`order` [Order](#)

`cancellationToken` [CancellationToken](#)

Returns

[Task](#)<[Order](#)>

DeleteOrderAsync(int, CancellationToken)

```
public Task DeleteOrderAsync(int id, CancellationToken cancellationToken)
```

Parameters

`id` [int](#)

`cancellationToken` [CancellationToken](#)

Returns

[Task](#)

GetOrderAmountAsync(GetOrdersFilter, CancellationToken)

```
public Task<int> GetOrderAmountAsync(GetOrdersFilter filter, CancellationToken cancellationToken)
```

Parameters

`filter` [GetOrdersFilter](#)

`cancellationToken` [CancellationToken](#)

Returns

[Task](#)<int>>

GetOrderByIdAsync(int, CancellationToken)

```
public Task<Order?> GetOrderByIdAsync(int id, CancellationToken cancellationToken)
```

Parameters

`id` [int](#)

`cancellationToken` [CancellationToken](#)

Returns

[Task](#)<[Order](#)>

GetPaginatedOrdersAsync(GetOrdersFilter, CancellationToken)

```
public Task<IEnumerable<Order>> GetPaginatedOrdersAsync(GetOrdersFilter filter, CancellationToken cancellationToken)
```

Parameters

`filter` [GetOrdersFilter](#)

`cancellationToken` [CancellationToken](#)

Returns

[Task](#)<[IEnumerable](#)<[Order](#)>>

UpdateOrderAsync(Order, CancellationToken)

```
public Task<Order> UpdateOrderAsync(Order order, CancellationToken cancellationToken)
```

Parameters

order [Order](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[Order](#)>

Namespace ShopApi.Features.Order

Feature.Validators

Classes

[ClientUpdateOrderRequestValidator](#)

[CreateOrderRequestValidator](#)

[GetOrdersFilterValidator](#)

[ManagerUpdateOrderRequestValidator](#)

[OrderBookRequestValidator](#)

Class ClientUpdateOrderRequestValidator

Namespace: [ShopApi.Features.OrderFeature.Validators](#)

Assembly: ShopApi.dll

```
public class ClientUpdateOrderRequestValidator :  
AbstractValidator<ClientUpdateOrderRequest>, IValidator<ClientUpdateOrderRequest>,  
IValidator, IEnumerable<IValidationRule>, IEnumerable
```

Inheritance

[object](#) ← AbstractValidator<[ClientUpdateOrderRequest](#)> ←
ClientUpdateOrderRequestValidator

Implements

IValidator<[ClientUpdateOrderRequest](#)>, IValidator, [IEnumerable](#)<IValidationRule>,
[IEnumerable](#)

Inherited Members

AbstractValidator<ClientUpdateOrderRequest>.Validate(ClientUpdateOrderRequest) ,
[AbstractValidator<ClientUpdateOrderRequest>.ValidateAsync\(ClientUpdateOrderRequest, CancellationToken\)](#) ,
AbstractValidator<ClientUpdateOrderRequest>.Validate(ValidationContext<ClientUpdateOrderRequest>) ,
[AbstractValidator<ClientUpdateOrderRequest>.ValidateAsync\(ValidationContext<ClientUpdateOrderRequest>, CancellationToken\)](#) ,
AbstractValidator<ClientUpdateOrderRequest>.CreateDescriptor() ,
[AbstractValidator<ClientUpdateOrderRequest>.RuleFor<TPROPERTY>\(Expression<Func<ClientUpdateOrderRequest, TPROPERTY>>\)](#) ,
[AbstractValidator<ClientUpdateOrderRequest>.Transform<TPROPERTY, TTransformed>\(Expression<Func<ClientUpdateOrderRequest, TPROPERTY>>, Func<TPROPERTY, TTransformed>\)](#) ,
[AbstractValidator<ClientUpdateOrderRequest>.Transform<TPROPERTY, TTransformed>\(Expression<Func<ClientUpdateOrderRequest, TPROPERTY>>, Func<ClientUpdateOrderRequest, TPROPERTY, TTransformed>\)](#) ,
[AbstractValidator<ClientUpdateOrderRequest>.RuleForEach<TELEMENT>\(Expression<Func<ClientUpdateOrderRequest, IEnumerable<TELEMENT>>\)](#) ,
[AbstractValidator<ClientUpdateOrderRequest>.TransformForEach<TELEMENT, TTransformed>\(Expression<Func<ClientUpdateOrderRequest, IEnumerable<TELEMENT>>, Func<TELEMENT, TTransformed>\)](#) ,
[AbstractValidator<ClientUpdateOrderRequest>.TransformForEach<TELEMENT, TTransformed>\(Expression<Func<ClientUpdateOrderRequest, IEnumerable<TELEMENT>>, Func<TELEMENT, TTransformed>\)](#) ,

```
AbstractValidator<ClientUpdateOrderRequest>.TransformForEach<TElement,
TTransformed>(Expression<Func<ClientUpdateOrderRequest,
IEnumerable<TElement>>>, Func<ClientUpdateOrderRequest, TElement, TTransformed>),
,
AbstractValidator<ClientUpdateOrderRequest>.RuleSet(string, Action),
AbstractValidator<ClientUpdateOrderRequest>.When(Func<ClientUpdateOrderRequest,
bool>, Action),
AbstractValidator<ClientUpdateOrderRequest>.When(Func<ClientUpdateOrderRequest,
ValidationContext<ClientUpdateOrderRequest>, bool>, Action),
AbstractValidator<ClientUpdateOrderRequest>.Unless(Func<ClientUpdateOrderRequest,
bool>, Action),
AbstractValidator<ClientUpdateOrderRequest>.Unless(Func<ClientUpdateOrderRequest,
ValidationContext<ClientUpdateOrderRequest>, bool>, Action),
AbstractValidator<ClientUpdateOrderRequest>.WhenAsync(Func<ClientUpdateOrderRequest,
CancellationToken, Task<bool>>, Action),
AbstractValidator<ClientUpdateOrderRequest>.WhenAsync(Func<ClientUpdateOrderRequest,
ValidationContext<ClientUpdateOrderRequest>, CancellationToken, Task<bool>>,
Action),
AbstractValidator<ClientUpdateOrderRequest>.UnlessAsync(Func<ClientUpdateOrderRequest,
CancellationToken, Task<bool>>, Action),
AbstractValidator<ClientUpdateOrderRequest>.UnlessAsync(Func<ClientUpdateOrderRequest,
ValidationContext<ClientUpdateOrderRequest>, CancellationToken, Task<bool>>,
Action),
AbstractValidator<ClientUpdateOrderRequest>.Include(IValidator<ClientUpdateOrderRequest>),
AbstractValidator<ClientUpdateOrderRequest>.Include<TValidator>
(Func<ClientUpdateOrderRequest, TValidator>),
AbstractValidator<ClientUpdateOrderRequest>.GetEnumerator(),
AbstractValidator<ClientUpdateOrderRequest>.EnsureInstanceNotNull(object),
AbstractValidator<ClientUpdateOrderRequest>.PreValidate(ValidationContext<ClientUpdateOrderRequest>, ValidationResult),
AbstractValidator<ClientUpdateOrderRequest>.RaiseValidationException(ValidationContext<ClientUpdateOrderRequest>, ValidationResult),
AbstractValidator<ClientUpdateOrderRequest>.CascadeMode,
AbstractValidator<ClientUpdateOrderRequest>.ClassLevelCascadeMode,
AbstractValidator<ClientUpdateOrderRequest>.RuleLevelCascadeMode,
object.Equals(object),
object.Equals(object, object),
object.GetHashCode(),
object.GetType(),
object.MemberwiseClone(),
object.ReferenceEquals(object, object),
object.ToString()
```

Constructors

ClientUpdateOrderRequestValidator()

```
public ClientUpdateOrderRequestValidator()
```

Class CreateOrderRequestValidator

Namespace: [ShopApi.Features.OrderFeature.Validators](#)

Assembly: ShopApi.dll

```
public class CreateOrderRequestValidator : AbstractValidator<CreateOrderRequest>,  
IValidator<CreateOrderRequest>, IValidator, IEnumerable<IValidationRule>,  
IEnumerable
```

Inheritance

[object](#) ← AbstractValidator<[CreateOrderRequest](#)> ← CreateOrderRequestValidator

Implements

IValidator<[CreateOrderRequest](#)>, IValidator, [IEnumerable](#)<IValidationRule>,
[IEnumerable](#)

Inherited Members

AbstractValidator<CreateOrderRequest>.Validate(CreateOrderRequest) ,
[AbstractValidator<CreateOrderRequest>.ValidateAsync\(CreateOrderRequest, CancellationToken\)](#) ,
AbstractValidator<CreateOrderRequest>.Validate(ValidationContext<CreateOrderRequest>) ,
[AbstractValidator<CreateOrderRequest>.ValidateAsync\(ValidationContext<CreateOrderRequest>, CancellationToken\)](#) ,
AbstractValidator<CreateOrderRequest>.CreateDescriptor() ,
[AbstractValidator<CreateOrderRequest>.RuleFor<TPROPERTY>\(Expression<Func<CreateOrderRequest, TPROPERTY>>\)](#) ,
[AbstractValidator<CreateOrderRequest>.Transform<TPROPERTY, TTTRANSFORMED>\(Expression<Func<CreateOrderRequest, TPROPERTY>>, Func<TPROPERTY, TTTRANSFORMED>\)](#) ,
[AbstractValidator<CreateOrderRequest>.Transform<TPROPERTY, TTTRANSFORMED>\(Expression<Func<CreateOrderRequest, TPROPERTY>>, Func<CreateOrderRequest, TPROPERTY, TTTRANSFORMED>\)](#) ,
[AbstractValidator<CreateOrderRequest>.RuleForEach<TELEMENT>\(Expression<Func<CreateOrderRequest, IEnumerable<TELEMENT>>\)](#) ,
[AbstractValidator<CreateOrderRequest>.TransformForEach<TELEMENT, TTTRANSFORMED>\(Expression<Func<CreateOrderRequest, IEnumerable<TELEMENT>>, Func<TELEMENT, TTTRANSFORMED>\)](#) ,

```
AbstractValidator<CreateOrderRequest>.TransformForEach<TElement, TTransformed>\(Expression<Func<CreateOrderRequest, IEnumerable<TElement>>>, Func<CreateOrderRequest, TElement, TTransformed>\) ,
AbstractValidator<CreateOrderRequest>.RuleSet\(string, Action\) ,
AbstractValidator<CreateOrderRequest>.When\(Func<CreateOrderRequest, bool>, Action\) ,

AbstractValidator<CreateOrderRequest>.When\(Func<CreateOrderRequest, ValidationContext<CreateOrderRequest>, bool>, Action\) ,
AbstractValidator<CreateOrderRequest>.Unless\(Func<CreateOrderRequest, bool>, Action\) ,
AbstractValidator<CreateOrderRequest>.Unless\(Func<CreateOrderRequest, ValidationContext<CreateOrderRequest>, bool>, Action\) ,
AbstractValidator<CreateOrderRequest>.WhenAsync\(Func<CreateOrderRequest, CancellationToken, Task<bool>>, Action\) ,
AbstractValidator<CreateOrderRequest>.WhenAsync\(Func<CreateOrderRequest, ValidationContext<CreateOrderRequest>, CancellationToken, Task<bool>>, Action\) ,
AbstractValidator<CreateOrderRequest>.UnlessAsync\(Func<CreateOrderRequest, CancellationToken, Task<bool>>, Action\) ,
AbstractValidator<CreateOrderRequest>.UnlessAsync\(Func<CreateOrderRequest, ValidationContext<CreateOrderRequest>, CancellationToken, Task<bool>>, Action\) ,
AbstractValidator<CreateOrderRequest>.Include(IValidator<CreateOrderRequest>) ,
AbstractValidator<CreateOrderRequest>.Include<TValidator>(Func<CreateOrderRequest, TValidator>) ,
AbstractValidator<CreateOrderRequest>.GetEnumerator() ,
AbstractValidator<CreateOrderRequest>.EnsureInstanceNotNull(object) ,
AbstractValidator<CreateOrderRequest>.PreValidate(ValidationContext<CreateOrderRequest>, ValidationResult) ,
AbstractValidator<CreateOrderRequest>.RaiseValidationException(ValidationContext<CreateOrderRequest>, ValidationResult) ,
AbstractValidator<CreateOrderRequest>.CascadeMode ,
AbstractValidator<CreateOrderRequest>.ClassLevelCascadeMode ,
AbstractValidator<CreateOrderRequest>.RuleLevelCascadeMode , object.Equals(object) ,
object.Equals(object, object) , object.GetHashCode() , object.GetType() ,
object.MemberwiseClone() , object.ReferenceEquals(object, object) , object.ToString() ,
```

Constructors

CreateOrderRequestValidator(IConfiguration)

```
public CreateOrderRequestValidator(IConfiguration configuration)
```

Parameters

configuration [IConfiguration](#)

Class GetOrdersFilterValidator

Namespace: [ShopApi.Features.OrderFeature.Validators](#)

Assembly: ShopApi.dll

```
public class GetOrdersFilterValidator : AbstractValidator<GetOrdersFilter>,  
IValidator<GetOrdersFilter>, IValidator, IEnumerable<IValidationRule>, IEnumerable
```

Inheritance

[object](#) ↗ ← AbstractValidator<[GetOrdersFilter](#)> ← GetOrdersFilterValidator

Implements

IValidator<[GetOrdersFilter](#)>, IValidator, [IEnumerable](#) ↗ <IValidationRule>, [IEnumerable](#) ↗

Inherited Members

AbstractValidator<GetOrdersFilter>.Validate(GetOrdersFilter) ,
[AbstractValidator<GetOrdersFilter>.ValidateAsync\(GetOrdersFilter, CancellationToken\)](#) ↗ ,
AbstractValidator<GetOrdersFilter>.Validate(ValidationContext<GetOrdersFilter>) ,
[AbstractValidator<GetOrdersFilter>.ValidateAsync\(ValidationContext<GetOrdersFilter>, CancellationToken\)](#) ↗ ,
AbstractValidator<GetOrdersFilter>.CreateDescriptor() ,
[AbstractValidator<GetOrdersFilter>.RuleFor<TProperty>\(Expression<Func<GetOrdersFilter, TProperty>>\)](#) ↗ ,
[AbstractValidator<GetOrdersFilter>.Transform<TProperty, TTransformed>\(Expression<Func<GetOrdersFilter, TProperty>>, Func<TProperty, TTransformed>\)](#) ↗ ,
[AbstractValidator<GetOrdersFilter>.Transform<TProperty, TTransformed>\(Expression<Func<GetOrdersFilter, TProperty>>, Func<GetOrdersFilter, TProperty, TTransformed>\)](#) ↗ ,
[AbstractValidator<GetOrdersFilter>.RuleForEach<TElement>\(Expression<Func<GetOrdersFilter, IEnumerable<TElement>>\)](#) ↗ ,
[AbstractValidator<GetOrdersFilter>.TransformForEach<TElement, TTransformed>\(Expression<Func<GetOrdersFilter, IEnumerable<TElement>>, Func<TElement, TTransformed>\)](#) ↗ ,
[AbstractValidator<GetOrdersFilter>.TransformForEach<TElement, TTransformed>\(Expression<Func<GetOrdersFilter, IEnumerable<TElement>>, Func<GetOrdersFilter, TElement, TTransformed>\)](#) ↗ ,
[AbstractValidator<GetOrdersFilter>.RuleSet\(string, Action\)](#) ↗ ,
[AbstractValidator<GetOrdersFilter>.When\(Func<GetOrdersFilter, bool>, Action\)](#) ↗ ,

[AbstractValidator<GetOrdersFilter>.When\(Func<GetOrdersFilter, ValidationContext<GetOrdersFilter>, bool\), Action\)](#) ,
[AbstractValidator<GetOrdersFilter>.Unless\(Func<GetOrdersFilter, bool\), Action\)](#) ,
[AbstractValidator<GetOrdersFilter>.Unless\(Func<GetOrdersFilter, ValidationContext<GetOrdersFilter>, bool\), Action\)](#) ,
[AbstractValidator<GetOrdersFilter>.WhenAsync\(Func<GetOrdersFilter, CancellationToken, Task<bool>>, Action\)](#) ,
[AbstractValidator<GetOrdersFilter>.WhenAsync\(Func<GetOrdersFilter, ValidationContext<GetOrdersFilter>, CancellationToken, Task<bool>>, Action\)](#) ,
[AbstractValidator<GetOrdersFilter>.UnlessAsync\(Func<GetOrdersFilter, CancellationToken, Task<bool>>, Action\)](#) ,
[AbstractValidator<GetOrdersFilter>.UnlessAsync\(Func<GetOrdersFilter, ValidationContext<GetOrdersFilter>, CancellationToken, Task<bool>>, Action\)](#) ,
AbstractValidator<GetOrdersFilter>.Include(IValidator<GetOrdersFilter>) ,
[AbstractValidator<GetOrdersFilter>.Include<TValidator>\(Func<GetOrdersFilter, TValidator>\)](#) ,
AbstractValidator<GetOrdersFilter>.GetEnumerator() ,
[AbstractValidator<GetOrdersFilter>.EnsureInstanceNotNull\(object\)](#) ,
AbstractValidator<GetOrdersFilter>.PreValidate(ValidationContext<GetOrdersFilter>, ValidationResult) ,
AbstractValidator<GetOrdersFilter>.RaiseValidationException(ValidationContext<GetOrdersFilter>, ValidationResult) ,
AbstractValidator<GetOrdersFilter>.CascadeMode ,
AbstractValidator<GetOrdersFilter>.ClassLevelCascadeMode ,
AbstractValidator<GetOrdersFilter>.RuleLevelCascadeMode , [object.Equals\(object\)](#) ,
[object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Constructors

GetOrdersFilterValidator(PaginationOptions)

```
public GetOrdersFilterValidator(PaginationOptions paginationConfiguration)
```

Parameters

paginationConfiguration [PaginationOptions](#)

Class ManagerUpdateOrderRequestValidator

Namespace: [ShopApi.Features.OrderFeature.Validators](#)

Assembly: ShopApi.dll

```
public class ManagerUpdateOrderRequestValidator :  
AbstractValidator<ManagerUpdateOrderRequest>, IValidator<ManagerUpdateOrderRequest>,  
IValidator, IEnumerable<IValidationRule>, IEnumerable
```

Inheritance

[object](#) ← AbstractValidator<[ManagerUpdateOrderRequest](#)> ←
ManagerUpdateOrderRequestValidator

Implements

IValidator<[ManagerUpdateOrderRequest](#)>, IValidator, [IEnumerable](#)<IValidationRule>,
[IEnumerable](#)

Inherited Members

AbstractValidator<ManagerUpdateOrderRequest>.Validate(ManagerUpdateOrderRequest) ,
[AbstractValidator<ManagerUpdateOrderRequest>.ValidateAsync\(ManagerUpdateOrderRequest, CancellationToken\)](#) ,
AbstractValidator<ManagerUpdateOrderRequest>.Validate(ValidationContext<ManagerUpdateOrderRequest>) ,
[AbstractValidator<ManagerUpdateOrderRequest>.ValidateAsync\(ValidationContext<ManagerUpdateOrderRequest>, CancellationToken\)](#) ,
AbstractValidator<ManagerUpdateOrderRequest>.CreateDescriptor() ,
[AbstractValidator<ManagerUpdateOrderRequest>.RuleFor<TPROPERTY>\(Expression<Func<ManagerUpdateOrderRequest, TPROPERTY>>\)](#) ,
[AbstractValidator<ManagerUpdateOrderRequest>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<ManagerUpdateOrderRequest, TPROPERTY>>, Func<TPROPERTY, TTRANSFORMED>\)](#) ,
[AbstractValidator<ManagerUpdateOrderRequest>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<ManagerUpdateOrderRequest, TPROPERTY>>, Func<ManagerUpdateOrderRequest, TPROPERTY, TTRANSFORMED>\)](#) ,
[AbstractValidator<ManagerUpdateOrderRequest>.RuleForEach<TELEMENT>\(Expression<Func<ManagerUpdateOrderRequest, IEnumerable<TELEMENT>>>\)](#) ,

```
AbstractValidator<ManagerUpdateOrderRequest>.TransformForEach<TElement,
TTransformed>\(Expression<Func<ManagerUpdateOrderRequest,
IEnumerable<TElement>>>, Func<TElement, TTransformed>\) ↴ ,
AbstractValidator<ManagerUpdateOrderRequest>.TransformForEach<TElement,
TTransformed>\(Expression<Func<ManagerUpdateOrderRequest,
IEnumerable<TElement>>>, Func<ManagerUpdateOrderRequest, TElement,
TTransformed>\) ↴ ,
AbstractValidator<ManagerUpdateOrderRequest>.RuleSet\(string, Action\) ↴ ,
AbstractValidator<ManagerUpdateOrderRequest>.When\(Func<ManagerUpdateOrderRe
quest, bool>, Action\) ↴ ,
AbstractValidator<ManagerUpdateOrderRequest>.When\(Func<ManagerUpdateOrderRe
quest, ValidationContext<ManagerUpdateOrderRequest>, bool>, Action\) ↴ ,
AbstractValidator<ManagerUpdateOrderRequest>.Unless\(Func<ManagerUpdateOrderRe
quest, bool>, Action\) ↴ ,
AbstractValidator<ManagerUpdateOrderRequest>.Unless\(Func<ManagerUpdateOrderRe
quest, ValidationContext<ManagerUpdateOrderRequest>, bool>, Action\) ↴ ,
AbstractValidator<ManagerUpdateOrderRequest>.WhenAsync\(Func<ManagerUpdateOrder
Request, CancellationToken, Task<bool>>, Action\) ↴ ,
AbstractValidator<ManagerUpdateOrderRequest>.WhenAsync\(Func<ManagerUpdateOrder
Request, ValidationContext<ManagerUpdateOrderRequest>, CancellationToken,
Task<bool>>, Action\) ↴ ,
AbstractValidator<ManagerUpdateOrderRequest>.UnlessAsync\(Func<ManagerUpdateOrder
Request, CancellationToken, Task<bool>>, Action\) ↴ ,
AbstractValidator<ManagerUpdateOrderRequest>.UnlessAsync\(Func<ManagerUpdateOrder
Request, ValidationContext<ManagerUpdateOrderRequest>, CancellationToken,
Task<bool>>, Action\) ↴ ,
AbstractValidator<ManagerUpdateOrderRequest>.Include(IValidator<ManagerUpdateOrder
Request>),
AbstractValidator<ManagerUpdateOrderRequest>.Include<TValidator>
\(Func<ManagerUpdateOrderRequest, TValidator>\) ↴ ,
AbstractValidator<ManagerUpdateOrderRequest>.GetEnumerator(),
AbstractValidator<ManagerUpdateOrderRequest>.EnsureInstanceNotNull\(object\) ↴ ,
AbstractValidator<ManagerUpdateOrderRequest>.PreValidate(ValidationContext<Manager
UpdateOrderRequest>, ValidationResult),
AbstractValidator<ManagerUpdateOrderRequest>.RaiseValidationException(ValidationCont
ext<ManagerUpdateOrderRequest>, ValidationResult),
AbstractValidator<ManagerUpdateOrderRequest>.CascadeMode ,
AbstractValidator<ManagerUpdateOrderRequest>.ClassLevelCascadeMode ,
AbstractValidator<ManagerUpdateOrderRequest>.RuleLevelCascadeMode ,
object.Equals(object) ↴ , object.Equals(object, object) ↴ , object.GetHashCode() ↴ ,
```

[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Constructors

ManagerUpdateOrderRequestValidator()

```
public ManagerUpdateOrderRequestValidator()
```

Class OrderBookRequestValidator

Namespace: [ShopApi.Features.OrderFeature.Validators](#)

Assembly: ShopApi.dll

```
public class OrderBookRequestValidator : AbstractValidator<OrderBookRequest>,
IValidator<OrderBookRequest>, IValidator, IEnumerable<IValidationRule>, IEnumerable
```

Inheritance

[object](#) ↗ ← AbstractValidator<[OrderBookRequest](#)> ← OrderBookRequestValidator

Implements

IValidator<[OrderBookRequest](#)>, IValidator, [IEnumerable](#) ↗ <IValidationRule>, [IEnumerable](#) ↗

Inherited Members

AbstractValidator<OrderBookRequest>.Validate(OrderBookRequest) ,
[AbstractValidator<OrderBookRequest>.ValidateAsync\(OrderBookRequest, CancellationToken\)](#) ,
AbstractValidator<OrderBookRequest>.Validate(ValidationContext<OrderBookRequest>) ,
[AbstractValidator<OrderBookRequest>.ValidateAsync\(ValidationContext<OrderBookRequest>, CancellationToken\)](#) ,
AbstractValidator<OrderBookRequest>.CreateDescriptor() ,
[AbstractValidator<OrderBookRequest>.RuleFor<TPROPERTY>\(Expression<Func<OrderBookRequest, TPROPERTY>>\)](#) ,
[AbstractValidator<OrderBookRequest>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<OrderBookRequest, TPROPERTY>>, Func<TPROPERTY, TTRANSFORMED>\)](#) ,
[AbstractValidator<OrderBookRequest>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<OrderBookRequest, TPROPERTY>>, Func<OrderBookRequest, TPROPERTY, TTRANSFORMED>\)](#) ,
[AbstractValidator<OrderBookRequest>.RuleForEach<TELEMENT>\(Expression<Func<OrderBookRequest, IEnumerable<TELEMENT>>\)](#) ,
[AbstractValidator<OrderBookRequest>.TransformForEach<TELEMENT, TTRANSFORMED>\(Expression<Func<OrderBookRequest, IEnumerable<TELEMENT>>, Func<TELEMENT, TTRANSFORMED>\)](#) ,
[AbstractValidator<OrderBookRequest>.TransformForEach<TELEMENT, TTRANSFORMED>\(Expression<Func<OrderBookRequest, IEnumerable<TELEMENT>>, Func<OrderBookRequest, TELEMENT, TTRANSFORMED>\)](#) ,
[AbstractValidator<OrderBookRequest>.RuleSet\(string, Action\)](#) ,
[AbstractValidator<OrderBookRequest>.When\(Func<OrderBookRequest, bool>, Action\)](#) ,

[AbstractValidator<OrderBookRequest>.When\(Func<OrderBookRequest, ValidationContext<OrderBookRequest>, bool>, Action\)](#) ,
[AbstractValidator<OrderBookRequest>.Unless\(Func<OrderBookRequest, bool>, Action\)](#) ,
[AbstractValidator<OrderBookRequest>.Unless\(Func<OrderBookRequest, ValidationContext<OrderBookRequest>, bool>, Action\)](#) ,
[AbstractValidator<OrderBookRequest>.WhenAsync\(Func<OrderBookRequest, CancellationToken, Task<bool>>, Action\)](#) ,
[AbstractValidator<OrderBookRequest>.WhenAsync\(Func<OrderBookRequest, ValidationContext<OrderBookRequest>, CancellationToken, Task<bool>>, Action\)](#) ,
[AbstractValidator<OrderBookRequest>.UnlessAsync\(Func<OrderBookRequest, CancellationToken, Task<bool>>, Action\)](#) ,
[AbstractValidator<OrderBookRequest>.UnlessAsync\(Func<OrderBookRequest, ValidationContext<OrderBookRequest>, CancellationToken, Task<bool>>, Action\)](#) ,
AbstractValidator<OrderBookRequest>.Include(IValidator<OrderBookRequest>) ,
[AbstractValidator<OrderBookRequest>.Include<TValidator>\(Func<OrderBookRequest, TValidator>\)](#) ,
AbstractValidator<OrderBookRequest>.GetEnumerator() ,
[AbstractValidator<OrderBookRequest>.EnsureInstanceNotNull\(object\)](#) ,
AbstractValidator<OrderBookRequest>.PreValidate(ValidationContext<OrderBookRequest> , ValidationResult) ,
AbstractValidator<OrderBookRequest>.RaiseValidationException(ValidationContext<OrderBookRequest> , ValidationResult) ,
AbstractValidator<OrderBookRequest>.CascadeMode ,
AbstractValidator<OrderBookRequest>.ClassLevelCascadeMode ,
AbstractValidator<OrderBookRequest>.RuleLevelCascadeMode , [object.Equals\(object\)](#) ,
[object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Constructors

OrderBookRequestValidator(IConfiguration)

```
public OrderBookRequestValidator(IConfiguration configuration)
```

Parameters

configuration [IConfiguration](#)

Namespace ShopApi.Features.Statistics Feature.Domain.Dtos

Classes

[GetShopStatisticsRequest](#)

[ShopStatisticsResponse](#)

[StatisticsBookRequest](#)

Class GetShopStatisticsRequest

Namespace: [ShopApi.Features.StatisticsFeature.Domain.Dtos](#)

Assembly: ShopApi.dll

```
public class GetShopStatisticsRequest
```

Inheritance

[object](#) ← GetShopStatisticsRequest

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

FromUTC

```
public DateTime? FromUTC { get; set; }
```

Property Value

[DateTime](#)?

IncludeBooks

```
public StatisticsBookRequest[] IncludeBooks { get; set; }
```

Property Value

[StatisticsBookRequest](#)[]

ToUTC

```
public DateTime? ToUTC { get; set; }
```

Property Value

[DateTime](#)?

Class ShopStatisticsResponse

Namespace: [ShopApi.Features.StatisticsFeature.Domain.Dtos](#)

Assembly: ShopApi.dll

```
public class ShopStatisticsResponse
```

Inheritance

[object](#) ← ShopStatisticsResponse

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

AveragePrice

```
public decimal AveragePrice { get; set; }
```

Property Value

[decimal](#)

CanceledCopies

```
public long CanceledCopies { get; set; }
```

Property Value

[long](#)

CanceledOrderAmount

```
public long CanceledOrderAmount { get; set; }
```

Property Value

[long](#) ↗

EarnedMoney

```
public decimal EarnedMoney { get; set; }
```

Property Value

[decimal](#) ↗

InCartCopies

```
public long InCartCopies { get; set; }
```

Property Value

[long](#) ↗

InOrderCopies

```
public long InOrderCopies { get; set; }
```

Property Value

[long](#) ↗

OrderAmount

```
public long OrderAmount { get; set; }
```

Property Value

[long](#)

OrderAmountInDays

```
public Dictionary<DateTime, long> OrderAmountInDays { get; set; }
```

Property Value

[Dictionary](#)<[DateTime](#), [long](#)>

SoldCopies

```
public long SoldCopies { get; set; }
```

Property Value

[long](#)

Class StatisticsBookRequest

Namespace: [ShopApi.Features.StatisticsFeature.Domain.Dtos](#)

Assembly: ShopApi.dll

```
public class StatisticsBookRequest
```

Inheritance

[object](#) ← StatisticsBookRequest

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

Id

```
public int Id { get; set; }
```

Property Value

[int](#)

Namespace ShopApi.Features.Statistics Feature.Domain.Models

Classes

[GetShopStatisticsFilter](#)

[ShopStatistics](#)

[StatisticsBook](#)

Class GetShopStatisticsFilter

Namespace: [ShopApi.Features.StatisticsFeature.Domain.Models](#)

Assembly: ShopApi.dll

```
public class GetShopStatisticsFilter
```

Inheritance

[object](#) ← GetShopStatisticsFilter

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

FromUTC

```
public DateTime? FromUTC { get; set; }
```

Property Value

[DateTime](#)?

IncludeBooks

```
public StatisticsBook[] IncludeBooks { get; set; }
```

Property Value

[StatisticsBook](#)[]

ToUTC

```
public DateTime? ToUTC { get; set; }
```

Property Value

[DateTime](#)?

Class ShopStatistics

Namespace: [ShopApi.Features.StatisticsFeature.Domain.Models](#)

Assembly: ShopApi.dll

```
public class ShopStatistics
```

Inheritance

[object](#) ← ShopStatistics

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

AveragePrice

```
public required decimal AveragePrice { get; set; }
```

Property Value

[decimal](#)

CanceledCopies

```
public required long CanceledCopies { get; set; }
```

Property Value

[long](#)

CanceledOrderAmount

```
public required long CanceledOrderAmount { get; set; }
```

Property Value

[long](#) ↗

EarnedMoney

```
public required decimal EarnedMoney { get; set; }
```

Property Value

[decimal](#) ↗

InCartCopies

```
public required long InCartCopies { get; set; }
```

Property Value

[long](#) ↗

InOrderCopies

```
public required long InOrderCopies { get; set; }
```

Property Value

[long](#) ↗

OrderAmount

```
public required long OrderAmount { get; set; }
```

Property Value

[long](#)

OrderAmountInDays

```
public Dictionary<DateTime, long> OrderAmountInDays { get; set; }
```

Property Value

[Dictionary](#)<[DateTime](#), [long](#)>

SoldCopies

```
public required long SoldCopies { get; set; }
```

Property Value

[long](#)

Class StatisticsBook

Namespace: [ShopApi.Features.StatisticsFeature.Domain.Models](#)

Assembly: ShopApi.dll

```
public class StatisticsBook
```

Inheritance

[object](#) ← StatisticsBook

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

Id

```
public required int Id { get; set; }
```

Property Value

[int](#)

Namespace ShopApi.Features.Statistics Feature.Repository

Classes

[StatisticsRepository](#)

Interfaces

[IStatisticsRepository](#)

Interface IStatisticsRepository

Namespace: [ShopApi.Features.StatisticsFeature.Repository](#)

Assembly: ShopApi.dll

```
public interface IStatisticsRepository
```

Methods

GetAveragePriceAsync(GetShopStatisticsFilter, CancellationToken)

```
Task<decimal> GetAveragePriceAsync(GetShopStatisticsFilter getBookStatistics, CancellationToken cancellationToken)
```

Parameters

getBookStatistics [GetShopStatisticsFilter](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<decimal>

GetCanceledCopiesAsync(GetShopStatisticsFilter, CancellationToken)

```
Task<long> GetCanceledCopiesAsync(GetShopStatisticsFilter getBookStatistics, CancellationToken cancellationToken)
```

Parameters

getBookStatistics [GetShopStatisticsFilter](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[long](#)>

GetCanceledOrdersAsync(GetShopStatisticsFilter, CancellationToken)

Task<[long](#)> [GetCanceledOrdersAsync](#)(GetShopStatisticsFilter getBookStatistics, CancellationToken cancellationToken)

Parameters

getBookStatistics [GetShopStatisticsFilter](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[long](#)>

GetEarnedMoneyAsync(GetShopStatisticsFilter, CancellationToken)

Task<[decimal](#)> [GetEarnedMoneyAsync](#)(GetShopStatisticsFilter getBookStatistics, CancellationToken cancellationToken)

Parameters

getBookStatistics [GetShopStatisticsFilter](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[decimal](#)>

GetInCartCopiesAsync(GetShopStatisticsFilter, CancellationToken)

```
Task<long> GetInCartCopiesAsync(GetShopStatisticsFilter getBookStatistics, CancellationToken cancellationToken)
```

Parameters

getBookStatistics [GetShopStatisticsFilter](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<long>

GetInOrderCopiesAsync(GetShopStatisticsFilter, CancellationToken)

```
Task<long> GetInOrderCopiesAsync(GetShopStatisticsFilter getBookStatistics, CancellationToken cancellationToken)
```

Parameters

getBookStatistics [GetShopStatisticsFilter](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<long>

GetOrderAmountAsync(GetShopStatisticsFilter, CancellationToken)

```
Task<long> GetOrderAmountAsync(GetShopStatisticsFilter getBookStatistics,
```

```
CancellationToken cancellationToken)
```

Parameters

getBookStatistics [GetShopStatisticsFilter](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[long](#)>

GetOrderAmountInDaysAsync(GetShopStatisticsFilter, CancellationToken)

```
Task<Dictionary<DateTime, long>> GetOrderAmountInDaysAsync(GetShopStatisticsFilter  
getBookStatistics, CancellationToken cancellationToken)
```

Parameters

getBookStatistics [GetShopStatisticsFilter](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[Dictionary](#)<[DateTime](#), [long](#)>>

GetSoldCopiesAsync(GetShopStatisticsFilter, CancellationToken)

```
Task<long> GetSoldCopiesAsync(GetShopStatisticsFilter getBookStatistics,  
CancellationToken cancellationToken)
```

Parameters

getBookStatistics [GetShopStatisticsFilter](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[long](#)>

Class StatisticsRepository

Namespace: [ShopApi.Features.StatisticsFeature.Repository](#)

Assembly: ShopApi.dll

```
public class StatisticsRepository : IStatisticsRepository
```

Inheritance

[object](#) ← StatisticsRepository

Implements

[IStatisticsRepository](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

StatisticsRepository(IDatabaseRepository<ShopDbContext>)

```
public StatisticsRepository(IDatabaseRepository<ShopDbContext> repository)
```

Parameters

repository [IDatabaseRepository<ShopDbContext>](#)

Methods

GetAveragePriceAsync(GetShopStatisticsFilter, CancellationToken)

```
public Task<decimal> GetAveragePriceAsync(GetShopStatisticsFilter getBookStatistics,
```

```
CancellationToken cancellationToken)
```

Parameters

getBookStatistics [GetShopStatisticsFilter](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[decimal](#)>

GetCanceledCopiesAsync(GetShopStatisticsFilter, CancellationToken)

```
public Task<long> GetCanceledCopiesAsync(GetShopStatisticsFilter getBookStatistics,  
CancellationToken cancellationToken)
```

Parameters

getBookStatistics [GetShopStatisticsFilter](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[long](#)>

GetCanceledOrdersAsync(GetShopStatisticsFilter, CancellationToken)

```
public Task<long> GetCanceledOrdersAsync(GetShopStatisticsFilter getBookStatistics,  
CancellationToken cancellationToken)
```

Parameters

getBookStatistics [GetShopStatisticsFilter](#)

cancelationToken [CancellationToken](#)

Returns

[Task](#)<[long](#)>

GetEarnedMoneyAsync(GetShopStatisticsFilter, CancellationToken)

```
public Task<decimal> GetEarnedMoneyAsync(GetShopStatisticsFilter getBookStatistics, CancellationToken cancellationToken)
```

Parameters

getBookStatistics [GetShopStatisticsFilter](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[decimal](#)>

GetInCartCopiesAsync(GetShopStatisticsFilter, CancellationToken)

```
public Task<long> GetInCartCopiesAsync(GetShopStatisticsFilter getBookStatistics, CancellationToken cancellationToken)
```

Parameters

getBookStatistics [GetShopStatisticsFilter](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[long](#)>

GetInOrderCopiesAsync(GetShopStatisticsFilter, CancellationToken)

```
public Task<long> GetInOrderCopiesAsync(GetShopStatisticsFilter getBookStatistics, CancellationToken cancellationToken)
```

Parameters

getBookStatistics [GetShopStatisticsFilter](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<long>

GetOrderAmountAsync(GetShopStatisticsFilter, CancellationToken)

```
public Task<long> GetOrderAmountAsync(GetShopStatisticsFilter getBookStatistics, CancellationToken cancellationToken)
```

Parameters

getBookStatistics [GetShopStatisticsFilter](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<long>

GetOrderAmountInDaysAsync(GetShopStatisticsFilter, CancellationToken)

```
public Task<Dictionary<DateTime, long>> GetOrderAmountInDaysAsync(GetShopStatisticsFilter getBookStatistics,
```

```
CancellationToken cancellationToken)
```

Parameters

getBookStatistics [GetShopStatisticsFilter](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[Dictionary](#)<[DateTime](#), [long](#)>>

GetSoldCopiesAsync(GetShopStatisticsFilter, CancellationToken)

```
public Task<long> GetSoldCopiesAsync(GetShopStatisticsFilter getBookStatistics,  
CancellationToken cancellationToken)
```

Parameters

getBookStatistics [GetShopStatisticsFilter](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[long](#)>

Namespace ShopApi.Features.Statistics Feature.Services

Classes

[StatisticsService](#)

Interfaces

[IStatisticsService](#)

Interface IStatisticsService

Namespace: [ShopApi.Features.StatisticsFeature.Services](#)

Assembly: ShopApi.dll

```
public interface IStatisticsService
```

Methods

GetStatisticsAsync(GetShopStatisticsFilter, CancellationToken)

```
Task<ShopStatistics> GetStatisticsAsync(GetShopStatisticsFilter getBookStatistics, CancellationToken cancellationToken)
```

Parameters

getBookStatistics [GetShopStatisticsFilter](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#) <[ShopStatistics](#)>

Class StatisticsService

Namespace: [ShopApi.Features.StatisticsFeature.Services](#)

Assembly: ShopApi.dll

```
public class StatisticsService : IStatisticsService
```

Inheritance

[object](#) ← StatisticsService

Implements

[IStatisticsService](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

StatisticsService(IStatisticsRepository)

```
public StatisticsService(IStatisticsRepository statisticsRepository)
```

Parameters

statisticsRepository [IStatisticsRepository](#)

Methods

GetStatisticsAsync(GetShopStatisticsFilter, CancellationToken)

```
public Task<ShopStatistics> GetStatisticsAsync(GetShopStatisticsFilter  
getBookStatistics, CancellationToken cancellationToken)
```

Parameters

getBookStatistics [GetShopStatisticsFilter](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[ShopStatistics](#)>

Namespace ShopApi.Features.Statistics

FeatureValidators

Classes

[GetBookStatisticsRequestValidator](#)

[StatisticsBookValidator](#)

Class GetBookStatisticsRequestValidator

Namespace: [ShopApi.Features.StatisticsFeature.Validators](#)

Assembly: ShopApi.dll

```
public class GetBookStatisticsRequestValidator :  
AbstractValidator<GetShopStatisticsRequest>, IValidator<GetShopStatisticsRequest>,  
IValidator, IEnumerable<IValidationRule>, IEnumerable
```

Inheritance

[object](#) ← AbstractValidator<[GetShopStatisticsRequest](#)> ←
GetBookStatisticsRequestValidator

Implements

IValidator<[GetShopStatisticsRequest](#)>, IValidator, [IEnumerable](#)<IValidationRule>,
[IEnumerable](#)

Inherited Members

AbstractValidator<GetShopStatisticsRequest>.Validate(GetShopStatisticsRequest) ,
[AbstractValidator<GetShopStatisticsRequest>.ValidateAsync\(GetShopStatisticsRequest, CancellationToken\)](#) ,
AbstractValidator<GetShopStatisticsRequest>.Validate(ValidationContext<GetShopStatisticsRequest>) ,
[AbstractValidator<GetShopStatisticsRequest>.ValidateAsync\(ValidationContext<GetShopStatisticsRequest>, CancellationToken\)](#) ,
AbstractValidator<GetShopStatisticsRequest>.CreateDescriptor() ,
[AbstractValidator<GetShopStatisticsRequest>.RuleFor<TPROPERTY>\(Expression<Func<GetShopStatisticsRequest, TPROPERTY>>\)](#) ,
[AbstractValidator<GetShopStatisticsRequest>.Transform<TPROPERTY, TTransformed>\(Expression<Func<GetShopStatisticsRequest, TPROPERTY>>, Func<TPROPERTY, TTransformed>\)](#) ,
[AbstractValidator<GetShopStatisticsRequest>.Transform<TPROPERTY, TTransformed>\(Expression<Func<GetShopStatisticsRequest, TPROPERTY>>, Func<GetShopStatisticsRequest, TPROPERTY, TTransformed>\)](#) ,
[AbstractValidator<GetShopStatisticsRequest>.RuleForEach<TELEMENT>\(Expression<Func<GetShopStatisticsRequest, IEnumerable<TELEMENT>>\)](#) ,
[AbstractValidator<GetShopStatisticsRequest>.TransformForEach<TELEMENT, TTransformed>\(Expression<Func<GetShopStatisticsRequest, IEnumerable<TELEMENT>>, Func<TELEMENT, TTransformed>\)](#) ,

```
AbstractValidator<GetShopStatisticsRequest>.TransformForEach<TElement,
TTransformed>\(Expression<Func<GetShopStatisticsRequest, IEnumerable<TElement>>>,
Func<GetShopStatisticsRequest, TElement, TTransformed>\)>,
AbstractValidator<GetShopStatisticsRequest>.RuleSet\(string, Action\),
AbstractValidator<GetShopStatisticsRequest>.When\(Func<GetShopStatisticsRequest,
bool>, Action\),
AbstractValidator<GetShopStatisticsRequest>.When\(Func<GetShopStatisticsRequest,
ValidationContext<GetShopStatisticsRequest>, bool>, Action\),
AbstractValidator<GetShopStatisticsRequest>.Unless\(Func<GetShopStatisticsRequest,
bool>, Action\),
AbstractValidator<GetShopStatisticsRequest>.Unless\(Func<GetShopStatisticsRequest,
ValidationContext<GetShopStatisticsRequest>, bool>, Action\),
AbstractValidator<GetShopStatisticsRequest>.WhenAsync\(Func<GetShopStatisticsRequest,
CancellationToken, Task<bool>>, Action\),
AbstractValidator<GetShopStatisticsRequest>.WhenAsync\(Func<GetShopStatisticsRequest,
ValidationContext<GetShopStatisticsRequest>, CancellationToken, Task<bool>, Action\),
AbstractValidator<GetShopStatisticsRequest>.UnlessAsync\(Func<GetShopStatisticsRequest,
CancellationToken, Task<bool>>, Action\),
AbstractValidator<GetShopStatisticsRequest>.UnlessAsync\(Func<GetShopStatisticsRequest,
ValidationContext<GetShopStatisticsRequest>, CancellationToken, Task<bool>, Action\)
,
AbstractValidator<GetShopStatisticsRequest>.Include(IValidator<GetShopStatisticsRequest>),
AbstractValidator<GetShopStatisticsRequest>.Include<TValidator>
(Func<GetShopStatisticsRequest, TValidator>),
AbstractValidator<GetShopStatisticsRequest>.GetEnumerator(),
AbstractValidator<GetShopStatisticsRequest>.EnsureInstanceNotNull(object),
AbstractValidator<GetShopStatisticsRequest>.PreValidate(ValidationContext<GetShopStatisticsRequest>, ValidationResult),
AbstractValidator<GetShopStatisticsRequest>.RaiseValidationException(ValidationContext<GetShopStatisticsRequest>, ValidationResult),
AbstractValidator<GetShopStatisticsRequest>.CascadeMode,
AbstractValidator<GetShopStatisticsRequest>.ClassLevelCascadeMode,
AbstractValidator<GetShopStatisticsRequest>.RuleLevelCascadeMode,
object.Equals(object), object.Equals(object, object), object.GetHashCode(),
object.GetType(), object.MemberwiseClone(), object.ReferenceEquals(object, object),
object.ToString()
```

Constructors

GetBookStatisticsRequestValidator()

```
public GetBookStatisticsRequestValidator()
```

Class StatisticsBookValidator

Namespace: [ShopApi.Features.StatisticsFeature.Validators](#)

Assembly: ShopApi.dll

```
public class StatisticsBookValidator : AbstractValidator<StatisticsBook>,
IValidator<StatisticsBook>, IValidator, IEnumerable<IValidationRule>, IEnumerable
```

Inheritance

[object](#) ↵ AbstractValidator<[StatisticsBook](#)> ↵ StatisticsBookValidator

Implements

IValidator<[StatisticsBook](#)>, IValidator, [IEnumerable](#)<IValidationRule>, [IEnumerable](#)

Inherited Members

AbstractValidator<StatisticsBook>.Validate(StatisticsBook) ,
[AbstractValidator<StatisticsBook>.ValidateAsync\(StatisticsBook, CancellationToken\)](#) ,
AbstractValidator<StatisticsBook>.Validate(ValidationContext<StatisticsBook>) ,
[AbstractValidator<StatisticsBook>.ValidateAsync\(ValidationContext<StatisticsBook>, CancellationToken\)](#) ,
AbstractValidator<StatisticsBook>.CreateDescriptor() ,
[AbstractValidator<StatisticsBook>.RuleFor<TPROPERTY>\(Expression<Func<StatisticsBook, TPROPERTY>>\)](#) ,
[AbstractValidator<StatisticsBook>.Transform<TPROPERTY, TTransformed>\(Expression<Func<StatisticsBook, TPROPERTY>>, Func<TPROPERTY, TTransformed>\)](#) ,
[AbstractValidator<StatisticsBook>.Transform<TPROPERTY, TTransformed>\(Expression<Func<StatisticsBook, TPROPERTY>>, Func<StatisticsBook, TPROPERTY, TTransformed>\)](#) ,
[AbstractValidator<StatisticsBook>.RuleForEach<TELEMENT>\(Expression<Func<StatisticsBook, IEnumerable<TELEMENT>>>\)](#) ,
[AbstractValidator<StatisticsBook>.TransformForEach<TELEMENT, TTransformed>\(Expression<Func<StatisticsBook, IEnumerable<TELEMENT>>>, Func<TELEMENT, TTransformed>\)](#) ,
[AbstractValidator<StatisticsBook>.TransformForEach<TELEMENT, TTransformed>\(Expression<Func<StatisticsBook, IEnumerable<TELEMENT>>>, Func<StatisticsBook, TELEMENT, TTransformed>\)](#) ,
[AbstractValidator<StatisticsBook>.RuleSet\(string, Action\)](#) ,
[AbstractValidator<StatisticsBook>.When\(Func<StatisticsBook, bool>, Action\)](#) ,

[AbstractValidator<StatisticsBook>.When\(Func<StatisticsBook, ValidationContext<StatisticsBook>, bool, Action\)](#) ,
[AbstractValidator<StatisticsBook>.Unless\(Func<StatisticsBook, bool, Action\)](#) ,
[AbstractValidator<StatisticsBook>.Unless\(Func<StatisticsBook, ValidationContext<StatisticsBook>, bool, Action\)](#) ,
[AbstractValidator<StatisticsBook>.WhenAsync\(Func<StatisticsBook, CancellationToken, Task<bool>>, Action\)](#) ,
[AbstractValidator<StatisticsBook>.WhenAsync\(Func<StatisticsBook, ValidationContext<StatisticsBook>, CancellationToken, Task<bool>>, Action\)](#) ,
[AbstractValidator<StatisticsBook>.UnlessAsync\(Func<StatisticsBook, CancellationToken, Task<bool>>, Action\)](#) ,
[AbstractValidator<StatisticsBook>.UnlessAsync\(Func<StatisticsBook, ValidationContext<StatisticsBook>, CancellationToken, Task<bool>>, Action\)](#) ,
AbstractValidator<StatisticsBook>.Include(IValidator<StatisticsBook>) ,
[AbstractValidator<StatisticsBook>.Include<TValidator>\(Func<StatisticsBook, TValidator>\)](#) ,
AbstractValidator<StatisticsBook>.GetEnumerator() ,
[AbstractValidator<StatisticsBook>.EnsureInstanceNotNull\(object\)](#) ,
AbstractValidator<StatisticsBook>.PreValidate(ValidationContext<StatisticsBook>, ValidationResult) ,
AbstractValidator<StatisticsBook>.RaiseValidationException(ValidationContext<StatisticsBook>, ValidationResult) ,
AbstractValidator<StatisticsBook>.CascadeMode ,
AbstractValidator<StatisticsBook>.ClassLevelCascadeMode ,
AbstractValidator<StatisticsBook>.RuleLevelCascadeMode , [object.Equals\(object\)](#) ,
[object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Constructors

StatisticsBookValidator()

```
public StatisticsBookValidator()
```

Namespace ShopApi.Features.StockBook OrderFeature.Command.CreateStockBook Order

Classes

[CreateStockBookOrderCommand](#)

[CreateStockBookOrderCommandHandler](#)

Class CreateStockBookOrderCommand

Namespace: [ShopApi.Features.StockBookOrderFeature.Command.CreateStockBookOrder](#)

Assembly: ShopApi.dll

```
public record CreateStockBookOrderCommand : IRequest<StockBookOrderResponse>,
IBaseRequest, IEquatable<CreateStockBookOrderCommand>
```

Inheritance

[object](#) ← CreateStockBookOrderCommand

Implements

IRequest<[StockBookOrderResponse](#)>, IBaseRequest,
[IEquatable](#)<[CreateStockBookOrderCommand](#)>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

CreateStockBookOrderCommand(CreateStockBookOrderRequest Request)

Parameters

Request [CreateStockBookOrderRequest](#)

Properties

Request

```
public CreateStockBookOrderRequest Request { get; init; }
```

Property Value

[CreateStockBookOrderRequest](#)

Class CreateStockBookOrderCommandHandler

Namespace: [ShopApi.Features.StockBookOrderFeature.Command.CreateStockBookOrder](#)

Assembly: ShopApi.dll

```
public class CreateStockBookOrderCommandHandler :  
IRequestHandler<CreateStockBookOrderCommand, StockBookOrderResponse>
```

Inheritance

[object](#) ← CreateStockBookOrderCommandHandler

Implements

IRequestHandler<[CreateStockBookOrderCommand](#), [StockBookOrderResponse](#)>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

CreateStockBookOrderCommandHandler(IStockBookOrderService, ILibraryService, IMapper)

```
public CreateStockBookOrderCommandHandler(IStockBookOrderService  
stockBookOrderService, ILibraryService libraryService, IMapper mapper)
```

Parameters

stockBookOrderService [IStockBookOrderService](#)

libraryService [ILibraryService](#)

mapper [IMapper](#)

Methods

Handle(CreateStockBookOrderCommand, CancellationToken)

Handles a request

```
public Task<StockBookOrderResponse> Handle(CreateStockBookOrderCommand command,  
CancellationToken cancellationToken)
```

Parameters

command [CreateStockBookOrderCommand](#)

cancellationToken [CancellationToken](#)

Cancellation token

Returns

[Task](#)<[StockBookOrderResponse](#)>

Response from the request

Namespace ShopApi.Features.StockBook OrderFeature.Command.GetStockOrder Amount

Classes

[GetStockOrderAmountQuery](#)

[GetStockOrderAmountQueryHandler](#)

Class GetStockOrderAmountQuery

Namespace: [ShopApi.Features.StockBookOrderFeature.Command.GetStockOrderAmount](#)

Assembly: ShopApi.dll

```
public record GetStockOrderAmountQuery : IRequest<int>, IBaseRequest,  
IEquatable<GetStockOrderAmountQuery>
```

Inheritance

[object](#) ← GetStockOrderAmountQuery

Implements

IRequest<[int](#)>, IBaseRequest, [IEquatable](#)<[GetStockOrderAmountQuery](#)>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

GetStockOrderAmountQuery()

```
public GetStockOrderAmountQuery()
```

Class GetStockOrderAmountQueryHandler

Namespace: [ShopApi.Features.StockBookOrderFeature.Command.GetStockOrderAmount](#)

Assembly: ShopApi.dll

```
public class GetStockOrderAmountQueryHandler :  
    IRequestHandler<GetStockOrderAmountQuery, int>
```

Inheritance

[object](#) ← GetStockOrderAmountQueryHandler

Implements

IRequestHandler<[GetStockOrderAmountQuery](#), [int](#)>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

GetStockOrderAmountQueryHandler(IStockBookOrderService)

```
public GetStockOrderAmountQueryHandler(IStockBookOrderService stockBookOrderService)
```

Parameters

stockBookOrderService [IStockBookOrderService](#)

Methods

Handle(GetStockOrderAmountQuery, CancellationToken)

Handles a request

```
public Task<int> Handle(GetStockOrderAmountQuery command,  
CancellationToken cancellationToken)
```

Parameters

command [GetStockOrderAmountQuery](#)

cancellationToken [CancellationToken](#)

Cancellation token

Returns

[Task](#)<int>

Response from the request

Namespace ShopApi.Features.StockBook OrderFeature.Command.GetStockOrder ById

Classes

[GetStockOrderByIdQuery](#)

[GetStockOrderByIdQueryHandler](#)

Class GetStockOrderByIdQuery

Namespace: [ShopApi.Features.StockBookOrderFeature.Command.GetStockOrderById](#)

Assembly: ShopApi.dll

```
public record GetStockOrderByIdQuery : IRequest<StockBookOrderResponse?>,  
IBaseRequest, IEquatable<GetStockOrderByIdQuery>
```

Inheritance

[object](#) ← GetStockOrderByIdQuery

Implements

IRequest<[StockBookOrderResponse](#)>, IBaseRequest,
[IEquatable](#)<[GetStockOrderByIdQuery](#)>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

GetStockOrderByIdQuery(int)

```
public GetStockOrderByIdQuery(int StockOrderId)
```

Parameters

StockOrderId [int](#)

Properties

StockOrderId

```
public int StockOrderId { get; init; }
```

Property Value

[int ↗](#)

Class GetStockOrderByIdQueryHandler

Namespace: [ShopApi.Features.StockBookOrderFeature.Command.GetStockOrderById](#)

Assembly: ShopApi.dll

```
public class GetStockOrderByIdQueryHandler : IRequestHandler<GetStockOrderByIdQuery, StockBookOrderResponse?>
```

Inheritance

[object](#) ← GetStockOrderByIdQueryHandler

Implements

IRequestHandler<[GetStockOrderByIdQuery](#), [StockBookOrderResponse](#)>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

GetStockOrderByIdQueryHandler(IStockBookOrderService, ILibraryService, IMapper)

```
public GetStockOrderByIdQueryHandler(IStockBookOrderService stockBookOrderService, ILibraryService libraryService, IMapper mapper)
```

Parameters

stockBookOrderService [IStockBookOrderService](#)

libraryService [ILibraryService](#)

mapper IMapper

Methods

Handle(GetStockOrderByIdQuery, CancellationToken)

Handles a request

```
public Task<StockBookOrderResponse?> Handle(GetStockOrderByIdQuery command,  
CancellationToken cancellationToken)
```

Parameters

command [GetStockOrderByIdQuery](#)

cancellationToken [CancellationToken](#)

Cancellation token

Returns

[Task](#)<[StockBookOrderResponse](#)>

Response from the request

Namespace ShopApi.Features.StockBook OrderFeature.Command.GetStockOrder Paginated

Classes

[GetStockOrderPaginatedQuery](#)

[GetStockOrderPaginatedQueryHandler](#)

Class GetStockOrderPaginatedQuery

Namespace: [ShopApi.Features.StockBookOrderFeature.Command.GetStockOrderPaginated](#)

Assembly: ShopApi.dll

```
public record GetStockOrderPaginatedQuery :  
    IRequest<IEnumerable<StockBookOrderResponse>>, IBaseRequest,  
    IEquatable<GetStockOrderPaginatedQuery>
```

Inheritance

[object](#) ← GetStockOrderPaginatedQuery

Implements

IRequest<[IEnumerable](#)<[StockBookOrderResponse](#)>>, IBaseRequest,
[IEquatable](#)<[GetStockOrderPaginatedQuery](#)>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

GetStockOrderPaginatedQuery(PaginationRequest)

```
public GetStockOrderPaginatedQuery(PaginationRequest PaginationRequest)
```

Parameters

PaginationRequest [PaginationRequest](#)

Properties

PaginationRequest

```
public PaginationRequest PaginationRequest { get; init; }
```

Property Value

[PaginationRequest](#)

Class GetStockOrderPaginatedQueryHandler

Namespace: [ShopApi.Features.StockBookOrderFeature.Command.GetStockOrderPaginated](#)

Assembly: ShopApi.dll

```
public class GetStockOrderPaginatedQueryHandler :  
IRequestHandler<GetStockOrderPaginatedQuery, IEnumerable<StockBookOrderResponse>>
```

Inheritance

[object](#) ← GetStockOrderPaginatedQueryHandler

Implements

IRequestHandler<[GetStockOrderPaginatedQuery](#), [IEnumerable](#)<[StockBookOrderResponse](#)>>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

GetStockOrderPaginatedQueryHandler(IStockBookOrderService, ILibraryService, IMapper)

```
public GetStockOrderPaginatedQueryHandler(IStockBookOrderService  
stockBookOrderService, ILibraryService libraryService, IMapper mapper)
```

Parameters

stockBookOrderService [IStockBookOrderService](#)

libraryService [ILibraryService](#)

mapper [IMapper](#)

Methods

Handle(GetStockOrderPaginatedQuery, CancellationToken)

Handles a request

```
public Task<IEnumerable<StockBookOrderResponse>> Handle(GetStockOrderPaginatedQuery  
command, CancellationToken cancellationToken)
```

Parameters

command [GetStockOrderPaginatedQuery](#)

cancellationToken [CancellationToken](#)

Cancellation token

Returns

[Task](#)<[IEnumerable](#)<[StockBookOrderResponse](#)>>

Response from the request

Namespace ShopApi.Features.StockBook OrderFeature.Dtos

Classes

[CreateStockBookOrderRequest](#)

[StockBookChangeRequest](#)

Class CreateStockBookOrderRequest

Namespace: [ShopApi.Features.StockBookOrderFeature.Dtos](#)

Assembly: ShopApi.dll

```
public class CreateStockBookOrderRequest
```

Inheritance

[object](#) ← CreateStockBookOrderRequest

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

ClientId

```
public string? ClientId { get; set; }
```

Property Value

[string](#)

StockBookChanges

```
public List<StockBookChangeRequest> StockBookChanges { get; set; }
```

Property Value

[List](#)<[StockBookChangeRequest](#)>

Type

```
public StockBookOrderType Type { get; set; }
```

Property Value

[StockBookOrderType](#)

Class StockBookChangeRequest

Namespace: [ShopApi.Features.StockBookOrderFeature.Dtos](#)

Assembly: ShopApi.dll

```
public class StockBookChangeRequest
```

Inheritance

[object](#) ← StockBookChangeRequest

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

BookId

```
public int BookId { get; set; }
```

Property Value

[int](#)

ChangeAmount

```
public int ChangeAmount { get; set; }
```

Property Value

[int](#)

Namespace ShopApi.Features.StockBook OrderFeature.Models

Classes

[BookStockAmountUpdatedEvent](#)

Class BookStockAmountUpdatedEvent

Namespace: [ShopApi.Features.StockBookOrderFeature.Models](#)

Assembly: ShopApi.dll

```
public class BookStockAmountUpdatedEvent
```

Inheritance

[object](#) ← BookStockAmountUpdatedEvent

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

StockBookOrder

```
public required StockBookOrder StockBookOrder { get; set; }
```

Property Value

[StockBookOrder](#)

Namespace ShopApi.Features.StockBook OrderFeature.Services

Classes

[BookStockAmountUpdatedEventHandler](#)

[StockBookOrderService](#)

Interfaces

[IStockBookOrderService](#)

Class BookStockAmountUpdatedEventHandler

Namespace: [ShopApi.Features.StockBookOrderFeature.Services](#)

Assembly: ShopApi.dll

```
public class BookStockAmountUpdatedEventHandler :  
IEventHandler<BookStockAmountUpdatedEvent>
```

Inheritance

[object](#) ← BookStockAmountUpdatedEventHandler

Implements

[IEventHandler<BookStockAmountUpdatedEvent>](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

BookStockAmountUpdatedEventHandler(ILibraryService)
)

```
public BookStockAmountUpdatedEventHandler(ILibraryService libraryService)
```

Parameters

libraryService [ILibraryService](#)

Fields

libraryService

```
protected readonly ILibraryService libraryService
```

Field Value

[ILibraryService](#)

Methods

HandleAsync(BookStockAmountUpdatedEvent, CancellationToken)

```
public Task HandleAsync(BookStockAmountUpdatedEvent @event,  
CancellationToken cancellationToken)
```

Parameters

event [BookStockAmountUpdatedEvent](#)

cancellationToken [CancellationToken](#) ↗

Returns

[Task](#) ↗

Interface IStockBookOrderService

Namespace: [ShopApi.Features.StockBookOrderFeature.Services](#)

Assembly: ShopApi.dll

```
public interface IStockBookOrderService
```

Methods

AddStockBookOrderAsync(StockBookOrder, CancellationToken)

```
Task<StockBookOrder> AddStockBookOrderAsync(StockBookOrder stockBookOrder, CancellationToken cancellationToken)
```

Parameters

stockBookOrder [StockBookOrder](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#) <[StockBookOrder](#)>

AddStockBookOrderAsyncFromCanceledOrderAsync(Order, StockBookOrderType, CancellationToken)

```
Task<StockBookOrder> AddStockBookOrderAsyncFromCanceledOrderAsync(Order order, StockBookOrderType type, CancellationToken cancellationToken)
```

Parameters

order [Order](#)

type [StockBookOrderType](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[StockBookOrder](#)>

AddStockBookOrderAsyncFromOrderAsync(Order, StockBookOrderType, CancellationToken)

Task<StockBookOrder> **AddStockBookOrderAsyncFromOrderAsync**(Order order, StockBookOrderType type, CancellationToken cancellationToken)

Parameters

order [Order](#)

type [StockBookOrderType](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[StockBookOrder](#)>

GetPaginatedStockBookOrdersAsync(PaginationRequest, CancellationToken)

Task<IEnumerable<StockBookOrder>> **GetPaginatedStockBookOrdersAsync**(PaginationRequest pagination, CancellationToken cancellationToken)

Parameters

pagination [PaginationRequest](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#) <[IEnumerable](#) <[StockBookOrder](#)>>

GetStockBookAmountAsync(CancellationToken)

Task<[int](#)> [GetStockBookAmountAsync](#)([CancellationToken](#) cancellationToken)

Parameters

cancellationToken [CancellationToken](#)

Returns

[Task](#) <[int](#)>

GetStockBookOrderByIdAsync(int, CancellationToken)

Task<[StockBookOrder](#)?> [GetStockBookOrderByIdAsync](#)([int](#) id, [CancellationToken](#) cancellationToken)

Parameters

id [int](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#) <[StockBookOrder](#)>

Class StockBookOrderService

Namespace: [ShopApi.Features.StockBookOrderFeature.Services](#)

Assembly: ShopApi.dll

```
public class StockBookOrderService : IStockBookOrderService
```

Inheritance

[object](#) ← StockBookOrderService

Implements

[IStockBookOrderService](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

StockBookOrderService(IStockBookOrderRepository,
IEventDispatcher)

```
public StockBookOrderService(IStockBookOrderRepository stockBookOrderRepository,  
IEventDispatcher eventDispatcher)
```

Parameters

stockBookOrderRepository [IStockBookOrderRepository](#)

eventDispatcher [IEventDispatcher](#)

Methods

AddStockBookOrderAsync(StockBookOrder,
CancellationToken)

```
public Task<StockBookOrder> AddStockBookOrderAsync(StockBookOrder stockBookOrder,  
CancellationToken cancellationToken)
```

Parameters

stockBookOrder [StockBookOrder](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#) <[StockBookOrder](#)>

AddStockBookOrderAsyncFromCanceledOrderAsync(Order, StockBookOrderType, CancellationToken)

```
public Task<StockBookOrder> AddStockBookOrderAsyncFromCanceledOrderAsync(Order  
order, StockBookOrderType type, CancellationToken cancellationToken)
```

Parameters

order [Order](#)

type [StockBookOrderType](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#) <[StockBookOrder](#)>

AddStockBookOrderAsyncFromOrderAsync(Order, StockBookOrderType, CancellationToken)

```
public Task<StockBookOrder> AddStockBookOrderAsyncFromOrderAsync(Order order,  
StockBookOrderType type, CancellationToken cancellationToken)
```

Parameters

order [Order](#)

type [StockBookOrderType](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#) <[StockBookOrder](#)>

GetPaginatedStockBookOrdersAsync(PaginationRequest, CancellationToken)

```
public Task<IEnumerable<StockBookOrder>>
GetPaginatedStockBookOrdersAsync(PaginationRequest pagination,
CancellationToken cancellationToken)
```

Parameters

pagination [PaginationRequest](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#) <[IEnumerable](#) <[StockBookOrder](#)>>

GetStockBookAmountAsync(CancellationToken)

```
public Task<int> GetStockBookAmountAsync(CancellationToken cancellationToken)
```

Parameters

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[int](#)>

GetStockBookOrderByIdAsync(int, CancellationToken)

```
public Task<StockBookOrder?> GetStockBookOrderByIdAsync(int id,  
CancellationToken cancellationToken)
```

Parameters

[id](#) [int](#)

[cancellationToken](#) [CancellationToken](#)

Returns

[Task](#)<[StockBookOrder](#)>

Namespace ShopApi.Features.StockBook OrderFeature.Validators

Classes

[CreateStockBookOrderRequestValidator](#)

[StockBookChangeRequestValidator](#)

Class CreateStockBookOrderRequestValidator

Namespace: [ShopApi.Features.StockBookOrderFeature.Validators](#)

Assembly: ShopApi.dll

```
public class CreateStockBookOrderRequestValidator
: AbstractValidator<CreateStockBookOrderRequest>,
IValidator<CreateStockBookOrderRequest>, IValidator, IEnumerable<IValidationRule>,
IEnumerable
```

Inheritance

[object](#) ↗ ← AbstractValidator<[CreateStockBookOrderRequest](#)> ←

CreateStockBookOrderRequestValidator

Implements

IValidator<[CreateStockBookOrderRequest](#)>, IValidator, [IEnumerable](#) ↗ <IValidationRule>, [IEnumerable](#)

Inherited Members

AbstractValidator<CreateStockBookOrderRequest>.Validate(CreateStockBookOrderRequest),

[AbstractValidator<CreateStockBookOrderRequest>.ValidateAsync\(CreateStockBookOrderRequest, CancellationToken\)](#) ,

AbstractValidator<CreateStockBookOrderRequest>.Validate(ValidationContext<CreateStockBookOrderRequest>) ,

[AbstractValidator<CreateStockBookOrderRequest>.ValidateAsync\(ValidationContext<CreateStockBookOrderRequest>, CancellationToken\)](#) ,

AbstractValidator<CreateStockBookOrderRequest>.CreateDescriptor() ,

[AbstractValidator<CreateStockBookOrderRequest>.RuleFor<TPROPERTY>\(Expression<Func<CreateStockBookOrderRequest, TPROPERTY>>\)](#) ,

[AbstractValidator<CreateStockBookOrderRequest>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<CreateStockBookOrderRequest, TPROPERTY>>, Func<TPROPERTY, TTRANSFORMED>\)](#) ,

[AbstractValidator<CreateStockBookOrderRequest>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<CreateStockBookOrderRequest, TPROPERTY>>, Func<CreateStockBookOrderRequest, TPROPERTY, TTRANSFORMED>\)](#) ,

[AbstractValidator<CreateStockBookOrderRequest>.RuleForEach<TELEMENT>\(Expression<Func<CreateStockBookOrderRequest, IEnumerable<TELEMENT>>>\)](#) ,

[AbstractValidator<CreateStockBookOrderRequest>.TransformForEach<TElement,](#)
[TTransformed>\(Expression<Func<CreateStockBookOrderRequest,](#)
[IEnumerable<TElement>>>, Func<TElement, TTransformed>\) ↴ ,](#)
[AbstractValidator<CreateStockBookOrderRequest>.TransformForEach<TElement,](#)
[TTransformed>\(Expression<Func<CreateStockBookOrderRequest,](#)
[IEnumerable<TElement>>>, Func<CreateStockBookOrderRequest, TElement,](#)
[TTransformed>\) ↴ ,](#)
[AbstractValidator<CreateStockBookOrderRequest>.RuleSet\(string, Action\) ↴ ,](#)
[AbstractValidator<CreateStockBookOrderRequest>.When\(Func<CreateStockBookOrderRequest, bool>, Action\) ↴ ,](#)
[AbstractValidator<CreateStockBookOrderRequest>.When\(Func<CreateStockBookOrderRequest, ValidationContext<CreateStockBookOrderRequest>, bool>, Action\) ↴ ,](#)
[AbstractValidator<CreateStockBookOrderRequest>.Unless\(Func<CreateStockBookOrderRequest, bool>, Action\) ↴ ,](#)
[AbstractValidator<CreateStockBookOrderRequest>.Unless\(Func<CreateStockBookOrderRequest, ValidationContext<CreateStockBookOrderRequest>, bool>, Action\) ↴ ,](#)
[AbstractValidator<CreateStockBookOrderRequest>.WhenAsync\(Func<CreateStockBookOrderRequest, CancellationToken, Task<bool>>, Action\) ↴ ,](#)
[AbstractValidator<CreateStockBookOrderRequest>.WhenAsync\(Func<CreateStockBookOrderRequest, ValidationContext<CreateStockBookOrderRequest>, CancellationToken, Task<bool>>, Action\) ↴ ,](#)
[AbstractValidator<CreateStockBookOrderRequest>.UnlessAsync\(Func<CreateStockBookOrderRequest, CancellationToken, Task<bool>>, Action\) ↴ ,](#)
[AbstractValidator<CreateStockBookOrderRequest>.UnlessAsync\(Func<CreateStockBookOrderRequest, ValidationContext<CreateStockBookOrderRequest>, CancellationToken, Task<bool>>, Action\) ↴ ,](#)
AbstractValidator<CreateStockBookOrderRequest>.Include(IValidator<CreateStockBookOrderRequest>),
[AbstractValidator<CreateStockBookOrderRequest>.Include<TValidator>](#)
(Func<CreateStockBookOrderRequest, TValidator>) ↴ ,
AbstractValidator<CreateStockBookOrderRequest>.GetEnumerator(),
[AbstractValidator<CreateStockBookOrderRequest>.EnsureInstanceNotNull\(object\) ↴ ,](#)
AbstractValidator<CreateStockBookOrderRequest>.PreValidate(ValidationContext<CreateStockBookOrderRequest>, ValidationResult),
AbstractValidator<CreateStockBookOrderRequest>.RaiseValidationException(ValidationContext<CreateStockBookOrderRequest>, ValidationResult),
AbstractValidator<CreateStockBookOrderRequest>.CascadeMode ,
AbstractValidator<CreateStockBookOrderRequest>.ClassLevelCascadeMode ,
AbstractValidator<CreateStockBookOrderRequest>.RuleLevelCascadeMode ,
[object.Equals\(object\) ↴ , object.Equals\(object, object\) ↴ , object.GetHashCode\(\) ↴ ,](#)

[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Constructors

CreateStockBookOrderRequestValidator()

```
public CreateStockBookOrderRequestValidator()
```

Class StockBookChangeRequestValidator

Namespace: [ShopApi.Features.StockBookOrderFeature.Validators](#)

Assembly: ShopApi.dll

```
public class StockBookChangeRequestValidator :  
AbstractValidator<StockBookChangeRequest>, IValidator<StockBookChangeRequest>,  
IValidator, IEnumerable<IValidationRule>, IEnumerable
```

Inheritance

[object](#) ← AbstractValidator<[StockBookChangeRequest](#)> ←
StockBookChangeRequestValidator

Implements

IValidator<[StockBookChangeRequest](#)>, IValidator, [IEnumerable](#)<IValidationRule>,
[IEnumerable](#)

Inherited Members

AbstractValidator<StockBookChangeRequest>.Validate(StockBookChangeRequest) ,
[AbstractValidator<StockBookChangeRequest>.ValidateAsync\(StockBookChangeRequest, CancellationToken\)](#) ,
AbstractValidator<StockBookChangeRequest>.Validate(ValidationContext<StockBookChangeRequest>) ,
[AbstractValidator<StockBookChangeRequest>.ValidateAsync\(ValidationContext<StockBookChangeRequest>, CancellationToken\)](#) ,
AbstractValidator<StockBookChangeRequest>.CreateDescriptor() ,
[AbstractValidator<StockBookChangeRequest>.RuleFor<TPROPERTY>\(Expression<Func<StockBookChangeRequest, TPROPERTY>>\)](#) ,
[AbstractValidator<StockBookChangeRequest>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<StockBookChangeRequest, TPROPERTY>>, Func<TPROPERTY, TTRANSFORMED>\)](#) ,
[AbstractValidator<StockBookChangeRequest>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<StockBookChangeRequest, TPROPERTY>>, Func<StockBookChangeRequest, TPROPERTY, TTRANSFORMED>\)](#) ,
[AbstractValidator<StockBookChangeRequest>.RuleForEach<TELEMENT>\(Expression<Func<StockBookChangeRequest, IEnumerable<TELEMENT>>>\)](#) ,
[AbstractValidator<StockBookChangeRequest>.TransformForEach<TELEMENT, TTRANSFORMED>\(Expression<Func<StockBookChangeRequest, IEnumerable<TELEMENT>>>, Func<TELEMENT, TTRANSFORMED>\)](#) ,

[AbstractValidator<StockBookChangeRequest>.TransformForEach<TElement, TTransformed>\(Expression<Func<StockBookChangeRequest, IEnumerable<TElement>>, Func<StockBookChangeRequest, TElement, TTransformed>\)](#) ,
[AbstractValidator<StockBookChangeRequest>.RuleSet\(string, Action\)](#) ,
[AbstractValidator<StockBookChangeRequest>.When\(Func<StockBookChangeRequest, bool>, Action\)](#) ,
[AbstractValidator<StockBookChangeRequest>.When\(Func<StockBookChangeRequest, ValidationContext<StockBookChangeRequest>, bool>, Action\)](#) ,
[AbstractValidator<StockBookChangeRequest>.Unless\(Func<StockBookChangeRequest, bool>, Action\)](#) ,
[AbstractValidator<StockBookChangeRequest>.Unless\(Func<StockBookChangeRequest, ValidationContext<StockBookChangeRequest>, bool>, Action\)](#) ,
[AbstractValidator<StockBookChangeRequest>.WhenAsync\(Func<StockBookChangeRequest, CancellationToken, Task<bool>>, Action\)](#) ,
[AbstractValidator<StockBookChangeRequest>.WhenAsync\(Func<StockBookChangeRequest, ValidationContext<StockBookChangeRequest>, CancellationToken, Task<bool>>, Action\)](#) ,
[AbstractValidator<StockBookChangeRequest>.UnlessAsync\(Func<StockBookChangeRequest, CancellationToken, Task<bool>>, Action\)](#) ,
[AbstractValidator<StockBookChangeRequest>.UnlessAsync\(Func<StockBookChangeRequest, ValidationContext<StockBookChangeRequest>, CancellationToken, Task<bool>>, Action\)](#) ,
AbstractValidator<StockBookChangeRequest>.Include(IValidator<StockBookChangeRequest>) ,
[AbstractValidator<StockBookChangeRequest>.Include<TValidator>\(Func<StockBookChangeRequest, TValidator>\)](#) ,
AbstractValidator<StockBookChangeRequest>.GetEnumerator() ,
[AbstractValidator<StockBookChangeRequest>.EnsureInstanceNotNull\(object\)](#) ,
AbstractValidator<StockBookChangeRequest>.PreValidate(ValidationContext<StockBookChangeRequest>, ValidationResult) ,
AbstractValidator<StockBookChangeRequest>.RaiseValidationException(ValidationContext<StockBookChangeRequest>, ValidationResult) ,
AbstractValidator<StockBookChangeRequest>.CascadeMode ,
AbstractValidator<StockBookChangeRequest>.ClassLevelCascadeMode ,
AbstractValidator<StockBookChangeRequest>.RuleLevelCascadeMode ,
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

StockBookChangeRequestValidator()

```
public StockBookChangeRequestValidator()
```

Namespace ShopApi.Migrations

Classes

[AddedContactClientInfoToOrder](#)

A base class inherited by each EF Core migration.

[InitialMigration](#)

A base class inherited by each EF Core migration.

Class AddedContactClientInfoToOrder

Namespace: [ShopApi.Migrations](#)

Assembly: ShopApi.dll

A base class inherited by each EF Core migration.

```
[DbContext(typeof(ShopDbContext))]
[Migration("20241115132745_AddedContactClientInfoToOrder")]
public class AddedContactClientInfoToOrder : Migration
```

Inheritance

[object](#) ← [Migration](#) ← AddedContactClientInfoToOrder

Inherited Members

[Migration.InitialDatabase](#) , [Migration.TargetModel](#) , [Migration.UpOperations](#) ,
[Migration.DownOperations](#) , [Migration.ActiveProvider](#) , [object.Equals\(object\)](#) ,
[object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Remarks

See [Database migrations](#) for more information and examples.

Methods

BuildTargetModel(ModelBuilder)

Implemented to build the [TargetModel](#).

```
protected override void BuildTargetModel(ModelBuilder modelBuilder)
```

Parameters

modelBuilder [ModelBuilder](#)

The [ModelBuilder](#) to use to build the model.

Remarks

See [Database migrations](#) for more information and examples.

Down(MigrationBuilder)

Builds the operations that will migrate the database 'down'.

```
protected override void Down(MigrationBuilder migrationBuilder)
```

Parameters

`migrationBuilder` [MigrationBuilder](#)

The [MigrationBuilder](#) that will build the operations.

Remarks

That is, builds the operations that will take the database from the state left in by this migration so that it returns to the state that it was in before this migration was applied.

This method must be overridden in each class that inherits from [Migration](#) if both 'up' and 'down' migrations are to be supported. If it is not overridden, then calling it will throw and it will not be possible to migrate in the 'down' direction.

See [Database migrations](#) for more information and examples.

Up(MigrationBuilder)

Builds the operations that will migrate the database 'up'.

```
protected override void Up(MigrationBuilder migrationBuilder)
```

Parameters

`migrationBuilder` [MigrationBuilder](#)

The [MigrationBuilder](#) that will build the operations.

Remarks

That is, builds the operations that will take the database from the state left in by the previous migration so that it is up-to-date with regard to this migration.

This method must be overridden in each class that inherits from [Migration](#).

See [Database migrations](#) for more information and examples.

Class InitialMigration

Namespace: [ShopApi.Migrations](#)

Assembly: ShopApi.dll

A base class inherited by each EF Core migration.

```
[DbContext(typeof(ShopDbContext))]
[Migration("20241101190449_InitialMigration")]
public class InitialMigration : Migration
```

Inheritance

[object](#) ← [Migration](#) ← InitialMigration

Inherited Members

[Migration.InitialDatabase](#) , [Migration.TargetModel](#) , [Migration.UpOperations](#) ,
[Migration.DownOperations](#) , [Migration.ActiveProvider](#) , [object.Equals\(object\)](#) ,
[object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Remarks

See [Database migrations](#) for more information and examples.

Methods

BuildTargetModel(ModelBuilder)

Implemented to build the [TargetModel](#).

```
protected override void BuildTargetModel(ModelBuilder modelBuilder)
```

Parameters

`modelBuilder` [ModelBuilder](#)

The [ModelBuilder](#) to use to build the model.

Remarks

See [Database migrations](#) for more information and examples.

Down(MigrationBuilder)

Builds the operations that will migrate the database 'down'.

```
protected override void Down(MigrationBuilder migrationBuilder)
```

Parameters

`migrationBuilder` [MigrationBuilder](#)

The [MigrationBuilder](#) that will build the operations.

Remarks

That is, builds the operations that will take the database from the state left in by this migration so that it returns to the state that it was in before this migration was applied.

This method must be overridden in each class that inherits from [Migration](#) if both 'up' and 'down' migrations are to be supported. If it is not overridden, then calling it will throw and it will not be possible to migrate in the 'down' direction.

See [Database migrations](#) for more information and examples.

Up(MigrationBuilder)

Builds the operations that will migrate the database 'up'.

```
protected override void Up(MigrationBuilder migrationBuilder)
```

Parameters

`migrationBuilder` [MigrationBuilder](#)

The [MigrationBuilder](#) that will build the operations.

Remarks

That is, builds the operations that will take the database from the state left in by the previous migration so that it is up-to-date with regard to this migration.

This method must be overridden in each class that inherits from [Migration](#).

See [Database migrations](#) for more information and examples.

Namespace ShopApi.Services

Classes

[LibraryService](#)

Interfaces

[ILibraryService](#)

Interface ILibraryService

Namespace: [ShopApi.Services](#)

Assembly: ShopApi.dll

```
public interface ILibraryService
```

Methods

GetByIdsAsync<T>(IEnumerable<int>, string, CancellationToken)

```
Task<IEnumerable<T>> GetByIdsAsync<T>( IEnumerable<int> ids, string endpoint, CancellationToken cancellationToken )
```

Parameters

ids [IEnumerable](#)<int>

endpoint [string](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[IEnumerable](#)<T>>

Type Parameters

T

RaiseBookPopularityByIdsAsync(IEnumerable<int>, CancellationToken)

```
Task RaiseBookPopularityByIdsAsync( IEnumerable<int> ids, CancellationToken cancellationToken )
```

```
cancellationToken)
```

Parameters

ids [IEnumerable<int>](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)

UpdateBookStockAmountAsync(IEnumerable<StockBookChange>, CancellationToken)

```
Task UpdateBookStockAmountAsync(IEnumerable<StockBookChange> changes,  
CancellationToken cancellationToken)
```

Parameters

changes [IEnumerable<StockBookChange>](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)

Class LibraryService

Namespace: [ShopApi.Services](#)

Assembly: ShopApi.dll

```
public class LibraryService : ILibraryService
```

Inheritance

[object](#) ← LibraryService

Implements

[ILibraryService](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

LibraryService(ResiliencePipelineProvider<string>,
IHttpHelper, IMapper, IConfiguration)

```
public LibraryService(ResiliencePipelineProvider<string> resiliencePipelineProvider,  
 IHttpHelper httpHelper, IMapper mapper, IConfiguration configuration)
```

Parameters

resiliencePipelineProvider [ResiliencePipelineProvider](#)<string>

httpHelper [IHttpHelper](#)

mapper IMapper

configuration [IConfiguration](#)

Methods

GetByIdsAsync<T>(IEnumerable<int>, string, CancellationToken)

```
public Task<IEnumerable<T>> GetByIdsAsync<T>(IEnumerable<int> ids, string endpoint, CancellationToken cancellationToken)
```

Parameters

ids [IEnumerable<int>](#)

endpoint [string](#)

cancellationToken [CancellationToken](#)

Returns

[Task<IEnumerable<T>>](#)

Type Parameters

T

RaiseBookPopularityByIdsAsync(IEnumerable<int>, CancellationToken)

```
public Task RaiseBookPopularityByIdsAsync(IEnumerable<int> ids, CancellationToken cancellationToken)
```

Parameters

ids [IEnumerable<int>](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)

UpdateBookStockAmountAsync(IEnumerable<StockBookChange>, CancellationToken)

```
public Task UpdateBookStockAmountAsync(IEnumerable<StockBookChange> changes,  
CancellationToken cancellationToken)
```

Parameters

changes [IEnumerable](#)<[StockBookChange](#)>

cancellationToken [CancellationToken](#)

Returns

[Task](#)

Namespace UserApi

Classes

[AutoMapperProfile](#)

[Configuration](#)

[Utilities](#)

Class AutoMapperProfile

Namespace: [UserApi](#)

Assembly: UserApi.dll

```
public class AutoMapperProfile : Profile, IProfileExpression, IProfileConfiguration
```

Inheritance

[object](#) ← Profile ← AutoMapperProfile

Implements

IProfileExpression, IProfileConfiguration

Inherited Members

Profile.DisableConstructorMapping() , Profile.CreateProjection<TSource, TDestination>() ,
Profile.CreateProjection<TSource, TDestination>(MemberList) ,
Profile.CreateMap<TSource, TDestination>() ,
Profile.CreateMap<TSource, TDestination>(MemberList) , [Profile.CreateMap\(Type, Type\)](#) ,
[Profile.CreateMap\(Type, Type, MemberList\)](#) , Profile.ClearPrefixes() ,
[Profile.ReplaceMemberName\(string, string\)](#) , [Profile.RecognizePrefixes\(params string\[\]\)](#) ,
[Profile.RecognizePostfixes\(params string\[\]\)](#) ,
[Profile.RecognizeDestinationPrefixes\(params string\[\]\)](#) ,
[Profile.RecognizeDestinationPostfixes\(params string\[\]\)](#) , [Profile.AddGlobalIgnore\(string\)](#) ,
[Profile.IncludeSourceExtensionMethods\(Type\)](#) , Profile.ProfileName ,
Profile.AllowNullDestinationValues , Profile.AllowNullCollections ,
Profile.ShouldMapProperty , Profile.ShouldMapField , Profile.ShouldMapMethod ,
Profile.ShouldUseConstructor , Profile.SourceMemberNamingConvention ,
Profile.DestinationMemberNamingConvention , Profile.ValueTransformers ,
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

AutoMapperProfile()

```
public AutoMapperProfile()
```

Class Configuration

Namespace: [UserApi](#)

Assembly: UserApi.dll

```
public static class Configuration
```

Inheritance

[object](#) ← Configuration

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

AUTH_DATABASE_CONNECTION_STRING

```
public static string AUTH_DATABASE_CONNECTION_STRING { get; }
```

Property Value

[string](#)

AUTH_REFRESH_TOKEN_EXPIRY_IN_DAYS

```
public static string AUTH_REFRESH_TOKEN_EXPIRY_IN_DAYS { get; }
```

Property Value

[string](#)

EF_CREATE_DATABASE

```
public static string EF_CREATE_DATABASE { get; }
```

Property Value

[string](#) ↗

Class Utilities

Namespace: [UserApi](#)

Assembly: UserApi.dll

```
public static class Utilities
```

Inheritance

[object](#) ← Utilities

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Methods

HasErrors(List<IdentityError>, out string[])

```
public static bool HasErrors(List<IdentityError> identityErrors, out  
    string[] errorResponse)
```

Parameters

identityErrors [List](#)<[IdentityError](#)>

errorResponse [string](#)[]

Returns

[bool](#)

Namespace UserApi.Command.Admin. AdminDeleteUser

Classes

[AdminDeleteUserCommand](#)

[AdminDeleteUserCommandHandler](#)

Class AdminDeleteUserCommand

Namespace: [UserApi.Command.Admin.AdminDeleteUser](#)

Assembly: UserApi.dll

```
public record AdminDeleteUserCommand : IRequest<Unit>, IBaseRequest,  
IEquatable<AdminDeleteUserCommand>
```

Inheritance

[object](#) ← AdminDeleteUserCommand

Implements

IRequest<Unit>, IBaseRequest, [IEquatable](#)<[AdminDeleteUserCommand](#)>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

AdminDeleteUserCommand(string)

```
public AdminDeleteUserCommand(string Info)
```

Parameters

Info [string](#)

Properties

Info

```
public string Info { get; init; }
```

Property Value

[string](#) ↗

Class AdminDeleteUserCommandHandler

Namespace: [UserApi.Command.Admin.AdminDeleteUser](#)

Assembly: UserApi.dll

```
public class AdminDeleteUserCommandHandler : IRequestHandler<AdminDeleteUserCommand, Unit>
```

Inheritance

[object](#) ← AdminDeleteUserCommandHandler

Implements

IRequestHandler<[AdminDeleteUserCommand](#), Unit>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

AdminDeleteUserCommandHandler(IUserService)

```
public AdminDeleteUserCommandHandler(IUserService userServicee)
```

Parameters

userServicee [IUserService](#)

Methods

Handle(AdminDeleteUserCommand, CancellationToken)

Handles a request

```
public Task<Unit> Handle(AdminDeleteUserCommand command, CancellationToken
```

```
cancellationToken)
```

Parameters

command [AdminDeleteUserCommand](#)

cancellationToken [CancellationToken](#)

Cancellation token

Returns

[Task](#)<Unit>

Response from the request

Namespace UserApi.Command.Admin. AdminRegisterUser

Classes

[AdminRegisterUserCommand](#)

[AdminRegisterUserCommandHandler](#)

Class AdminRegisterUserCommand

Namespace: [UserApi.Command.Admin.AdminRegisterUser](#)

Assembly: UserApi.dll

```
public record AdminRegisterUserCommand : IRequest<AdminUserResponse>, IBaseRequest,  
IEquatable<AdminRegisterUserCommand>
```

Inheritance

[object](#) ← AdminRegisterUserCommand

Implements

IRequest<[AdminUserResponse](#)>, IBaseRequest,
[IEquatable](#)<[AdminRegisterUserCommand](#)>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

AdminRegisterUserCommand(AdminUserRegistrationRequest Request)

Parameters

Request [AdminUserRegistrationRequest](#)

Properties

Request

```
public AdminUserRegistrationRequest Request { get; init; }
```

Property Value

[AdminUserRegistrationRequest](#)

Class AdminRegisterUserCommandHandler

Namespace: [UserApi.Command.Admin.AdminRegisterUser](#)

Assembly: UserApi.dll

```
public class AdminRegisterUserCommandHandler :  
IRequestHandler<AdminRegisterUserCommand, AdminUserResponse>
```

Inheritance

[object](#) ← AdminRegisterUserCommandHandler

Implements

IRequestHandler<[AdminRegisterUserCommand](#), [AdminUserResponse](#)>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

AdminRegisterUserCommandHandler(IAuthService,
IUserService, IMapper)

```
public AdminRegisterUserCommandHandler(IAuthService authService, IUserService  
userService, IMapper mapper)
```

Parameters

authService [IAuthService](#)

userService [IUserService](#)

mapper IMapper

Methods

Handle(AdminRegisterUserCommand, CancellationToken)

Handles a request

```
public Task<AdminUserResponse> Handle(AdminRegisterUserCommand command,  
CancellationToken cancellationToken)
```

Parameters

command [AdminRegisterUserCommand](#)

cancellationToken [CancellationToken](#)

Cancellation token

Returns

[Task](#)<AdminUserResponse>

Response from the request

Namespace UserApi.Command.Admin. AdminUpdateUser

Classes

[AdminUpdateUserCommand](#)

[AdminUpdateUserCommandHandler](#)

Class AdminUpdateUserCommand

Namespace: [UserApi.Command.Admin.AdminUpdateUser](#)

Assembly: UserApi.dll

```
public record AdminUpdateUserCommand : IRequest<AdminUserResponse>, IBaseRequest,  
IEquatable<AdminUpdateUserCommand>
```

Inheritance

[object](#) ← AdminUpdateUserCommand

Implements

IRequest<[AdminUserResponse](#)>, IBaseRequest,
[IEquatable](#)<[AdminUpdateUserCommand](#)>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

AdminUpdateUserCommand(AdminUserDataRequest Request)

Parameters

Request [AdminUserDataRequest](#)

Properties

Request

```
public AdminUserUpdateDataRequest Request { get; init; }
```

Property Value

[AdminUserUpdateDataRequest](#)

Class AdminUpdateUserCommandHandler

Namespace: [UserApi.Command.Admin.AdminUpdateUser](#)

Assembly: UserApi.dll

```
public class AdminUpdateUserCommandHandler : IRequestHandler<AdminUpdateUserCommand, AdminUserResponse>
```

Inheritance

[object](#) ← AdminUpdateUserCommandHandler

Implements

IRequestHandler<[AdminUpdateUserCommand](#), [AdminUserResponse](#)>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

AdminUpdateUserCommandHandler(IUserService, IMapper)

```
public AdminUpdateUserCommandHandler(IUserService userService, IMapper mapper)
```

Parameters

userService [IUserService](#)

mapper IMapper

Methods

Handle(AdminUpdateUserCommand, CancellationToken)

Handles a request

```
public Task<AdminUserResponse> Handle(AdminUpdateUserCommand command,  
CancellationToken cancellationToken)
```

Parameters

command [AdminUpdateUserCommand](#)

cancellationToken [CancellationToken](#)

Cancellation token

Returns

[Task](#)<[AdminUserResponse](#)>

Response from the request

Namespace UserApi.Command.Admin.Get PaginatedUserTotalAmount

Classes

[GetPaginatedUserTotalAmountQuery](#)

[GetPaginatedUserTotalAmountQueryHandler](#)

Class GetPaginatedUserTotalAmountQuery

Namespace: [UserApi.Command.Admin.GetPaginatedUserTotalAmount](#)

Assembly: UserApi.dll

```
public record GetPaginatedUserTotalAmountQuery : IRequest<int>, IBaseRequest,  
IEquatable<GetPaginatedUserTotalAmountQuery>
```

Inheritance

[object](#) ← GetPaginatedUserTotalAmountQuery

Implements

IRequest<[int](#)>, IBaseRequest, [IEquatable](#)<[GetPaginatedUserTotalAmountQuery](#)>

Inherited Members

[object.Equals\(object\)](#), [object.Equals\(object, object\)](#), [object.GetHashCode\(\)](#),
[object.GetType\(\)](#), [object.MemberwiseClone\(\)](#), [object.ReferenceEquals\(object, object\)](#),
[object.ToString\(\)](#)

Constructors

GetPaginatedUserTotalAmountQuery(Admin GetUserFilter)

```
public GetPaginatedUserTotalAmountQuery(Admin GetUserFilter Filter)
```

Parameters

Filter [Admin GetUserFilter](#)

Properties

Filter

```
public Admin GetUserFilter Filter { get; init; }
```

Property Value

[Admin GetUserFilter](#)

Class GetPaginatedUserTotalAmountQueryHandler

Namespace: [UserApi.Command.Admin.GetPaginatedUserTotalAmount](#)

Assembly: UserApi.dll

```
public class GetPaginatedUserTotalAmountQueryHandler :  
IRequestHandler<GetPaginatedUserTotalAmountQuery, int>
```

Inheritance

[object](#) ← GetPaginatedUserTotalAmountQueryHandler

Implements

IRequestHandler<[GetPaginatedUserTotalAmountQuery](#), [int](#)>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

GetPaginatedUserTotalAmountQueryHandler(IUserService)

```
public GetPaginatedUserTotalAmountQueryHandler(IUserService userService)
```

Parameters

userService [IUserService](#)

Methods

Handle(GetPaginatedUserTotalAmountQuery, CancellationToken)

Handles a request

```
public Task<int> Handle(GetPaginatedUserTotalAmountQuery request,  
CancellationToken cancellationToken)
```

Parameters

request [GetPaginatedUserTotalAmountQuery](#)

The request

cancellationToken [CancellationToken](#)

Cancellation token

Returns

[Task](#)<int>

Response from the request

Namespace UserApi.Command.Admin.Get PaginatedUsers

Classes

[GetPaginatedUsersQuery](#)

[GetPaginatedUsersQueryHandler](#)

Class GetPaginatedUsersQuery

Namespace: [UserApi.Command.Admin.GetPaginatedUsers](#)

Assembly: UserApi.dll

```
public record GetPaginatedUsersQuery : IRequest<IEnumerable<AdminUserResponse>>,  
IBaseRequest, IEquatable<GetPaginatedUsersQuery>
```

Inheritance

[object](#) ← GetPaginatedUsersQuery

Implements

IRequest<[IEnumerable](#)<[AdminUserResponse](#)>>, IBaseRequest,
[IEquatable](#)<[GetPaginatedUsersQuery](#)>

Inherited Members

[object.Equals\(object\)](#), [object.Equals\(object, object\)](#), [object.GetHashCode\(\)](#),
[object.GetType\(\)](#), [object.MemberwiseClone\(\)](#), [object.ReferenceEquals\(object, object\)](#),
[object.ToString\(\)](#)

Constructors

GetPaginatedUsersQuery(Admin GetUserFilter)

```
public GetPaginatedUsersQuery(Admin GetUserFilter Filter)
```

Parameters

Filter [Admin GetUserFilter](#)

Properties

Filter

```
public Admin GetUserFilter Filter { get; init; }
```

Property Value

[Admin GetUserFilter](#)

Class GetPaginatedUsersQueryHandler

Namespace: [UserApi.Command.Admin.GetPaginatedUsers](#)

Assembly: UserApi.dll

```
public class GetPaginatedUsersQueryHandler : IRequestHandler<GetPaginatedUsersQuery, IEnumerable<AdminUserResponse>>
```

Inheritance

[object](#) ← GetPaginatedUsersQueryHandler

Implements

IRequestHandler<[GetPaginatedUsersQuery](#), [IEnumerable](#)<[AdminUserResponse](#)>>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

GetPaginatedUsersQueryHandler(IUserService, IMapper)

```
public GetPaginatedUsersQueryHandler(IUserService userService, IMapper mapper)
```

Parameters

userService [IUserService](#)

mapper IMapper

Methods

Handle(GetPaginatedUsersQuery, CancellationToken)

Handles a request

```
public Task<IEnumerable<AdminUserResponse>> Handle(GetPaginatedUsersQuery request,  
CancellationToken cancellationToken)
```

Parameters

request [GetPaginatedUsersQuery](#)

The request

cancellationToken [CancellationToken](#)

Cancellation token

Returns

[Task](#)<[IEnumerable](#)<[AdminUserResponse](#)>>

Response from the request

Namespace UserApi.Command.Admin.Get UserByInfo

Classes

[GetUserByInfoQuery](#)

[GetUserByInfoQueryHandler](#)

Class GetUserByInfoQuery

Namespace: [UserApi.Command.Admin.GetUserByInfo](#)

Assembly: UserApi.dll

```
public record GetUserByInfoQuery : IRequest<AdminUserResponse>, IBaseRequest,  
IEquatable<GetUserByInfoQuery>
```

Inheritance

[object](#) ← GetUserByInfoQuery

Implements

IRequest<[AdminUserResponse](#)>, IBaseRequest, [IEquatable](#)<[GetUserByInfoQuery](#)>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

GetUserByInfoQuery(string)

```
public GetUserByInfoQuery(string Info)
```

Parameters

Info [string](#)

Properties

Info

```
public string Info { get; init; }
```

Property Value

[string](#) ↗

Class GetUserByInfoQueryHandler

Namespace: [UserApi.Command.Admin.GetUserByInfo](#)

Assembly: UserApi.dll

```
public class GetUserByInfoQueryHandler : IRequestHandler<GetUserByInfoQuery, AdminUserResponse?>
```

Inheritance

[object](#) ← GetUserByInfoQueryHandler

Implements

IRequestHandler< [GetUserByInfoQuery](#), [AdminUserResponse](#)>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

GetUserByInfoQueryHandler(IUserService, IUserAuthenticationMethodService, IMapper)

```
public GetUserByInfoQueryHandler(IUserService userService,  
IUserAuthenticationMethodService authMethodService, IMapper mapper)
```

Parameters

userService [IUserService](#)

authMethodService [IUserAuthenticationMethodService](#)

mapper IMapper

Methods

Handle(GetUserByInfoQuery, CancellationToken)

Handles a request

```
public Task<AdminUserResponse?> Handle(GetUserByInfoQuery command,  
CancellationToken cancellationToken)
```

Parameters

command [GetUserByInfoQuery](#)

cancellationToken [CancellationToken](#)

Cancellation token

Returns

[Task](#)<AdminUserResponse>

Response from the request

Namespace UserApi.Command.Client. DeleteUser

Classes

[DeleteUserCommand](#)

[DeleteUserCommandHandler](#)

Class DeleteUserCommand

Namespace: [UserApi.Command.Client.DeleteUser](#)

Assembly: UserApi.dll

```
public record DeleteUserCommand : IRequest<Unit>, IBaseRequest,  
IEquatable<DeleteUserCommand>
```

Inheritance

[object](#) ← DeleteUserCommand

Implements

IRequest<Unit>, IBaseRequest, [IEquatable](#)<[DeleteUserCommand](#)>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

DeleteUserCommand(ClaimsPrincipal)

```
public DeleteUserCommand(ClaimsPrincipal ClaimsPrincipal)
```

Parameters

ClaimsPrincipal [ClaimsPrincipal](#)

Properties

ClaimsPrincipal

```
public ClaimsPrincipal ClaimsPrincipal { get; init; }
```

Property Value

[ClaimsPrincipal](#)

Class DeleteUserCommandHandler

Namespace: [UserApi.Command.Client.DeleteUser](#)

Assembly: UserApi.dll

```
public class DeleteUserCommandHandler : IRequestHandler<DeleteUserCommand, Unit>
```

Inheritance

[object](#) ← DeleteUserCommandHandler

Implements

IRequestHandler<[DeleteUserCommand](#), Unit>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

DeleteUserCommandHandler(IUserService)

```
public DeleteUserCommandHandler(IUserService userService)
```

Parameters

userService [IUserService](#)

Methods

Handle(DeleteUserCommand, CancellationToken)

Handles a request

```
public Task<Unit> Handle(DeleteUserCommand request, CancellationToken  
cancellationToken)
```

Parameters

request [DeleteUserCommand](#)

The request

cancellationToken [CancellationToken](#)

Cancellation token

Returns

[Task](#)<Unit>

Response from the request

Namespace UserApi.Command.Client.Get OAuthUrl

Classes

[GetOAuthUrlQuery](#)

[GetOAuthUrlQueryHandler](#)

Class GetOAuthUrlQuery

Namespace: [UserApi.Command.Client.GetOAuthUrl](#)

Assembly: UserApi.dll

```
public record GetOAuthUrlQuery : IRequest<GetOAuthUrlResponse>,
IBaseRequest, IEquatable<GetOAuthUrlQuery>
```

Inheritance

[object](#) ← GetOAuthUrlQuery

Implements

IRequest<[GetOAuthUrlResponse](#)>, IBaseRequest, [IEquatable](#)<[GetOAuthUrlQuery](#)>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

GetOAuthUrlQuery(GetOAuthUrlQueryParams)

```
public GetOAuthUrlQuery(GetOAuthUrlQueryParams QueryParams)
```

Parameters

QueryParams [GetOAuthUrlQueryParams](#)

Properties

QueryParams

```
public GetOAuthUrlQueryParams QueryParams { get; init; }
```

Property Value

[GetOAuthUrlQueryParams](#)

Class GetOAuthUrlQueryHandler

Namespace: [UserApi.Command.Client.GetOAuthUrl](#)

Assembly: UserApi.dll

```
public class GetOAuthUrlQueryHandler : IRequestHandler<GetOAuthUrlQuery,
GetOAuthUrlResponse>
```

Inheritance

[object](#) ← GetOAuthUrlQueryHandler

Implements

IRequestHandler<[GetOAuthUrlQuery](#), [GetOAuthUrlResponse](#)>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

GetOAuthUrlQueryHandler(Dictionary<OAuthLoginProvider, IOAuthService>)

```
public GetOAuthUrlQueryHandler(Dictionary<OAuthLoginProvider,
IOAuthService> oAuthServices)
```

Parameters

oAuthServices [Dictionary](#)<[OAuthLoginProvider](#), [IOAuthService](#)>

Methods

Handle(GetOAuthUrlQuery, CancellationToken)

Handles a request

```
public Task<GetOAuthUrlResponse> Handle(GetOAuthUrlQuery request,  
CancellationToken cancellationToken)
```

Parameters

request [GetOAuthUrlQuery](#)

The request

cancellationToken [CancellationToken](#)

Cancellation token

Returns

[Task](#)<[GetOAuthUrlResponse](#)>

Response from the request

Namespace UserApi.Command.Client. LoginOAuth

Classes

[LoginOAuthCommand](#)

[LoginOAuthCommandHandler](#)

Class LoginOAuthCommand

Namespace: [UserApi.Command.Client.LoginOAuth](#)

Assembly: UserApi.dll

```
public record LoginOAuthCommand : IRequest<UserAuthenticationResponse>,
IBaseRequest, IEquatable<LoginOAuthCommand>
```

Inheritance

[object](#) ← LoginOAuthCommand

Implements

IRequest<[UserAuthenticationResponse](#)>, IBaseRequest,
[IEquatable](#)<[LoginOAuthCommand](#)>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

LoginOAuthCommand(LoginOAuthRequest)

```
public LoginOAuthCommand(LoginOAuthRequest Request)
```

Parameters

Request [LoginOAuthRequest](#)

Properties

Request

```
public LoginOAuthRequest Request { get; init; }
```

Property Value

[LoginOAuthRequest](#)

Class LoginOAuthCommandHandler

Namespace: [UserApi.Command.Client.LoginOAuth](#)

Assembly: UserApi.dll

```
public class LoginOAuthCommandHandler : IRequestHandler<LoginOAuthCommand,  
UserAuthenticationResponse>
```

Inheritance

[object](#) ← LoginOAuthCommandHandler

Implements

IRequestHandler<[LoginOAuthCommand](#), [UserAuthenticationResponse](#)>

Inherited Members

[object.Equals\(object\)](#), [object.Equals\(object, object\)](#), [object.GetHashCode\(\)](#),
[object.GetType\(\)](#), [object.MemberwiseClone\(\)](#), [object.ReferenceEquals\(object, object\)](#),
[object.ToString\(\)](#)

Constructors

LoginOAuthCommandHandler(Dictionary<OAuthLoginProvider, IOAuthService>, IAuthService, IUserService, ITokenService, IMapper)

```
public LoginOAuthCommandHandler(Dictionary<OAuthLoginProvider, IOAuthService>  
oAuthServices, IAuthService authService, IUserService userService, ITokenService  
tokenService, IMapper mapper)
```

Parameters

oAuthServices [Dictionary](#)<[OAuthLoginProvider](#), [IOAuthService](#)>

authService [IAuthService](#)

userService [IUserService](#)

tokenService [ITokenService](#)

`mapper IMapper`

Methods

`Handle(LoginOAuthCommand, CancellationToken)`

Handles a request

```
public Task<UserAuthenticationResponse> Handle(LoginOAuthCommand command,  
CancellationToken cancellationToken)
```

Parameters

`command` [LoginOAuthCommand](#)

`cancellationToken` [CancellationToken](#)

Cancellation token

Returns

[Task](#) <[UserAuthenticationResponse](#)>

Response from the request

Namespace UserApi.Command.Client. LoginUser

Classes

[LoginUserCommand](#)

[LoginUserCommandHandler](#)

Class LoginUserCommand

Namespace: [UserApi.Command.Client.LoginUser](#)

Assembly: UserApi.dll

```
public record LoginUserCommand : IRequest<UserAuthenticationResponse>,
IBaseRequest, IEquatable<LoginUserCommand>
```

Inheritance

[object](#) ← LoginUserCommand

Implements

IRequest<[UserAuthenticationResponse](#)>, IBaseRequest,
[IEquatable](#)<[LoginUserCommand](#)>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

LoginUserCommand(UserAuthenticationRequest)

```
public LoginUserCommand(UserAuthenticationRequest Request)
```

Parameters

Request [UserAuthenticationRequest](#)

Properties

Request

```
public UserAuthenticationRequest Request { get; init; }
```

Property Value

[UserAuthenticationRequest](#)

Class LoginUserCommandHandler

Namespace: [UserApi.Command.Client.LoginUser](#)

Assembly: UserApi.dll

```
public class LoginUserCommandHandler : IRequestHandler<LoginUserCommand,  
UserAuthenticationResponse>
```

Inheritance

[object](#) ← LoginUserCommandHandler

Implements

IRequestHandler<[LoginUserCommand](#), [UserAuthenticationResponse](#)>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

LoginUserCommandHandler(IAuthService, IUserService,
IUserAuthenticationMethodService, IMapper)

```
public LoginUserCommandHandler(IAuthService authService, IUserService userService,  
IUserAuthenticationMethodService authMethodService, IMapper mapper)
```

Parameters

authService [IAuthService](#)

userService [IUserService](#)

authMethodService [IUserAuthenticationMethodService](#)

mapper IMapper

Methods

Handle(LoginUserCommand, CancellationToken)

Handles a request

```
public Task<UserAuthenticationResponse> Handle(LoginUserCommand command,  
CancellationToken cancellationToken)
```

Parameters

command [LoginUserCommand](#)

cancellationToken [CancellationToken](#)

Cancellation token

Returns

[Task](#)<UserAuthenticationResponse>

Response from the request

Namespace UserApi.Command.Client. RefreshToken

Classes

[RefreshTokenCommand](#)

[RefreshTokenCommandHandler](#)

Class RefreshTokenCommand

Namespace: [UserApi.Command.Client.RefreshToken](#)

Assembly: UserApi.dll

```
public record RefreshTokenCommand : IRequest<AuthToken>, IBaseRequest,  
IEquatable<RefreshTokenCommand>
```

Inheritance

[object](#) ← RefreshTokenCommand

Implements

IRequest<[AuthToken](#)>, IBaseRequest, [IEquatable](#)<[RefreshTokenCommand](#)>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

RefreshTokenCommand(AuthToken)

```
public RefreshTokenCommand(AuthToken Request)
```

Parameters

Request [AuthToken](#)

Properties

Request

```
public AuthToken Request { get; init; }
```

Property Value

[AuthToken](#)

Class RefreshTokenCommandHandler

Namespace: [UserApi.Command.Client.RefreshToken](#)

Assembly: UserApi.dll

```
public class RefreshTokenCommandHandler : IRequestHandler<RefreshTokenCommand,  
AuthToken>
```

Inheritance

[object](#) ← RefreshTokenCommandHandler

Implements

IRequestHandler<[RefreshTokenCommand](#), [AuthToken](#)>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

RefreshTokenCommandHandler(IAuthService,
IUserService, ITokenservice, IMapper)

```
public RefreshTokenCommandHandler(IAuthService authService, IUserService  
userService, ITokenservice tokenService, IMapper mapper)
```

Parameters

authService [IAuthService](#)

userService [IUserService](#)

tokenService [ITokenservice](#)

mapper [IMapper](#)

Methods

Handle(RefreshTokenCommand, CancellationToken)

Handles a request

```
public Task<AuthToken> Handle(RefreshTokenCommand command,  
CancellationToken cancellationToken)
```

Parameters

command [RefreshTokenCommand](#)

cancellationToken [CancellationToken](#)

Cancellation token

Returns

[Task](#)<AuthToken>

Response from the request

Namespace UserApi.Command.Client. RegisterUser

Classes

[RegisterUserCommand](#)

[RegisterUserCommandHandler](#)

Class RegisterUserCommand

Namespace: [UserApi.Command.Client.RegisterUser](#)

Assembly: UserApi.dll

```
public record RegisterUserCommand : IRequest<UserAuthenticationResponse>,
IBaseRequest, IEquatable<RegisterUserCommand>
```

Inheritance

[object](#) ← RegisterUserCommand

Implements

IRequest<[UserAuthenticationResponse](#)>, IBaseRequest,
[IEquatable](#)<[RegisterUserCommand](#)>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

RegisterUserCommand(UserRegistrationRequest)

```
public RegisterUserCommand(UserRegistrationRequest Request)
```

Parameters

Request [UserRegistrationRequest](#)

Properties

Request

```
public UserRegistrationRequest Request { get; init; }
```

Property Value

[UserRegistrationRequest](#)

Class RegisterUserCommandHandler

Namespace: [UserApi.Command.Client.RegisterUser](#)

Assembly: UserApi.dll

```
public class RegisterUserCommandHandler : IRequestHandler<RegisterUserCommand,  
UserAuthenticationResponse>
```

Inheritance

[object](#) ← RegisterUserCommandHandler

Implements

IRequestHandler<[RegisterUserCommand](#), [UserAuthenticationResponse](#)>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

RegisterUserCommandHandler(IAuthService,
IUserService, IUserAuthenticationMethodService,
IMapper)

```
public RegisterUserCommandHandler(IAuthService authService, IUserService  
userService, IUserAuthenticationMethodService authMethodService, IMapper mapper)
```

Parameters

authService [IAuthService](#)

userService [IUserService](#)

authMethodService [IUserAuthenticationMethodService](#)

mapper [IMapper](#)

Methods

Handle(RegisterUserCommand, CancellationToken)

Handles a request

```
public Task<UserAuthenticationResponse> Handle(RegisterUserCommand command,  
CancellationToken cancellationToken)
```

Parameters

command [RegisterUserCommand](#)

cancellationToken [CancellationToken](#)

Cancellation token

Returns

[Task](#)<UserAuthenticationResponse>

Response from the request

Namespace UserApi.Command.Client. UpdateUser

Classes

[UpdateUserCommand](#)

[UpdateUserCommandHandler](#)

Class UpdateUserCommand

Namespace: [UserApi.Command.Client.UpdateUser](#)

Assembly: UserApi.dll

```
public record UpdateUserCommand : IRequest<Unit>, IBaseRequest,  
IEquatable<UpdateUserCommand>
```

Inheritance

[object](#) ← UpdateUserCommand

Implements

IRequest<Unit>, IBaseRequest, [IEquatable](#)<[UpdateUserCommand](#)>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

UpdateUserCommand(UserUpdateDataRequest, ClaimsPrincipal)

```
public UpdateUserCommand(UserUpdateDataRequest Request,  
ClaimsPrincipal UserPricipal)
```

Parameters

Request [UserUpdateDataRequest](#)

UserPricipal [ClaimsPrincipal](#)

Properties

Request

```
public UserUpdateDataRequest Request { get; init; }
```

Property Value

[UserUpdateDataRequest](#)

UserPricipal

```
public ClaimsPrincipal UserPricipal { get; init; }
```

Property Value

[ClaimsPrincipal](#) ↗

Class UpdateUserCommandHandler

Namespace: [UserApi.Command.Client.UpdateUser](#)

Assembly: UserApi.dll

```
public class UpdateUserCommandHandler : IRequestHandler<UpdateUserCommand, Unit>
```

Inheritance

[object](#) ← UpdateUserCommandHandler

Implements

IRequestHandler<[UpdateUserCommand](#), Unit>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

UpdateUserCommandHandler(IUserService, IMapper)

```
public UpdateUserCommandHandler(IUserService userService, IMapper mapper)
```

Parameters

userService [IUserService](#)

mapper IMapper

Methods

Handle(UpdateUserCommand, CancellationToken)

Handles a request

```
public Task<Unit> Handle(UpdateUserCommand command, CancellationToken cancellationToken)
```

Parameters

command [UpdateUserCommand](#)

cancellationToken [CancellationToken](#)

Cancellation token

Returns

[Task](#)<Unit>

Response from the request

Namespace UserApi.Controllers

Classes

[AuthController](#)

[UserController](#)

Class AuthController

Namespace: [UserApi.Controllers](#)

Assembly: UserApi.dll

```
[Route("auth")]
[ApiController]
public class AuthController : ControllerBase
```

Inheritance

[object](#) ← [ControllerBase](#) ← AuthController

Inherited Members

[ControllerBase.StatusCode\(int\)](#) , [ControllerBase.StatusCode\(int, object\)](#) ,
[ControllerBase.Content\(string\)](#) , [ControllerBase.Content\(string, string\)](#) ,
[ControllerBase.Content\(string, string, Encoding\)](#) ,
[ControllerBase.Content\(string, MediaTypeHeaderValue\)](#) , [ControllerBase.NoContent\(\)](#) ,
[ControllerBase.Ok\(\)](#) , [ControllerBase.Ok\(object\)](#) , [ControllerBase.Redirect\(string\)](#) ,
[ControllerBase.RedirectPermanent\(string\)](#) ,
[ControllerBase.RedirectPreserveMethod\(string\)](#) ,
[ControllerBase.RedirectPermanentPreserveMethod\(string\)](#) ,
[ControllerBase.LocalRedirect\(string\)](#) , [ControllerBase.LocalRedirectPermanent\(string\)](#) ,
[ControllerBase.LocalRedirectPreserveMethod\(string\)](#) ,
[ControllerBase.LocalRedirectPermanentPreserveMethod\(string\)](#) ,
[ControllerBase.RedirectToAction\(\)](#) , [ControllerBase.RedirectToAction\(string\)](#) ,
[ControllerBase.RedirectToAction\(string, object\)](#) ,
[ControllerBase.RedirectToAction\(string, string\)](#) ,
[ControllerBase.RedirectToAction\(string, string, object\)](#) ,
[ControllerBase.RedirectToAction\(string, string, string\)](#) ,
[ControllerBase.RedirectToAction\(string, string, object, string\)](#) ,
[ControllerBase.RedirectToActionPreserveMethod\(string, string, object, string\)](#) ,
[ControllerBase.RedirectToActionPermanent\(string\)](#) ,
[ControllerBase.RedirectToActionPermanent\(string, object\)](#) ,
[ControllerBase.RedirectToActionPermanent\(string, string\)](#) ,
[ControllerBase.RedirectToActionPermanent\(string, string, string\)](#) ,
[ControllerBase.RedirectToActionPermanent\(string, string, object\)](#) ,
[ControllerBase.RedirectToActionPermanent\(string, string, object, string\)](#) ,
[ControllerBase.RedirectToActionPermanentPreserveMethod\(string, string, object, string\)](#) ,
[ControllerBase.RedirectToRoute\(string\)](#) , [ControllerBase.RedirectToRoute\(object\)](#) ,

[ControllerBase.RedirectToRoute\(string, object\)](#) ,
 [ControllerBase.RedirectToRoute\(string, string\)](#) ,
 [ControllerBase.RedirectToRoute\(string, object, string\)](#) ,
 [ControllerBase.RedirectToRoutePreserveMethod\(string, object, string\)](#) ,
 [ControllerBase.RedirectToRoutePermanent\(string\)](#) ,
 [ControllerBase.RedirectToRoutePermanent\(object\)](#) ,
 [ControllerBase.RedirectToRoutePermanent\(string, object\)](#) ,
 [ControllerBase.RedirectToRoutePermanent\(string, string\)](#) ,
 [ControllerBase.RedirectToRoutePermanent\(string, object, string\)](#) ,
 [ControllerBase.RedirectToRoutePermanentPreserveMethod\(string, object, string\)](#) ,
 [ControllerBase.RedirectToPage\(string\)](#) , [ControllerBase.RedirectToPage\(string, object\)](#) ,
 [ControllerBase.RedirectToPage\(string, string\)](#) ,
 [ControllerBase.RedirectToPage\(string, string, object\)](#) ,
 [ControllerBase.RedirectToPage\(string, string, string\)](#) ,
 [ControllerBase.RedirectToPage\(string, string, object, string\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, object\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, string\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, string, string\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, string, object, string\)](#) ,
 [ControllerBase.RedirectToPagePreserveMethod\(string, string, object, string\)](#) ,
 [ControllerBase.RedirectToPagePermanentPreserveMethod\(string, string, object, string\)](#) ,
 [ControllerBase.File\(byte\[\], string\)](#) , [ControllerBase.File\(byte\[\], string, bool\)](#) ,
 [ControllerBase.File\(byte\[\], string, string\)](#) ,
 [ControllerBase.File\(byte\[\], string, string, bool\)](#) ,
 [ControllerBase.File\(byte\[\], string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(byte\[\], string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(byte\[\], string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(byte\[\], string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(Stream, string\)](#) , [ControllerBase.File\(Stream, string, bool\)](#) ,
 [ControllerBase.File\(Stream, string, string\)](#) ,
 [ControllerBase.File\(Stream, string, string, bool\)](#) ,
 [ControllerBase.File\(Stream, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(Stream, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(Stream, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(Stream, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(string, string\)](#) , [ControllerBase.File\(string, string, bool\)](#) ,
 [ControllerBase.File\(string, string, string\)](#) , [ControllerBase.File\(string, string, string, bool\)](#) ,
 [ControllerBase.File\(string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,

[ControllerBase.File\(string, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(string, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.PhysicalFile\(string, string\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, bool\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, string\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, string, bool\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.Unauthorized\(\)](#) , [ControllerBase.Unauthorized\(object\)](#) ,
 [ControllerBase.NotFound\(\)](#) , [ControllerBase.NotFound\(object\)](#) ,
 [ControllerBase.BadRequest\(\)](#) , [ControllerBase.BadRequest\(object\)](#) ,
 [ControllerBase.BadRequest\(ModelStateDictionary\)](#) ,
 [ControllerBase.UnprocessableEntity\(\)](#) , [ControllerBase.UnprocessableEntity\(object\)](#) ,
 [ControllerBase.UnprocessableEntity\(ModelStateDictionary\)](#) , [ControllerBase.Conflict\(\)](#) ,
 [ControllerBase.Conflict\(object\)](#) , [ControllerBase.Conflict\(ModelStateDictionary\)](#) ,
 [ControllerBase.Problem\(string, string, int?, string, string\)](#) ,
 [ControllerBase.ValidationProblem\(ValidationProblemDetails\)](#) ,
 [ControllerBase.ValidationProblem\(ModelStateDictionary\)](#) ,
 [ControllerBase.ValidationProblem\(\)](#) ,
 [ControllerBase.ValidationProblem\(string, string, int?, string, string, ModelStateDictionary\)](#) ,

 [ControllerBase.Created\(\)](#) , [ControllerBase.Created\(string, object\)](#) ,
 [ControllerBase.Created\(Uri, object\)](#) , [ControllerBase.CreatedAtAction\(string, object\)](#) ,
 [ControllerBase.CreatedAtAction\(string, object, object\)](#) ,
 [ControllerBase.CreatedAtAction\(string, string, object, object\)](#) ,
 [ControllerBase.CreatedAtRoute\(string, object\)](#) ,
 [ControllerBase.CreatedAtRoute\(object, object\)](#) ,
 [ControllerBase.CreatedAtRoute\(string, object, object\)](#) , [ControllerBase.Accepted\(\)](#) ,
 [ControllerBase.Accepted\(object\)](#) , [ControllerBase.Accepted\(Uri\)](#) ,
 [ControllerBase.Accepted\(string\)](#) , [ControllerBase.Accepted\(string, object\)](#) ,
 [ControllerBase.Accepted\(Uri, object\)](#) , [ControllerBase.AcceptedAtAction\(string\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, string\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, object\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, string, object\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, object, object\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, string, object, object\)](#) ,
 [ControllerBase.AcceptedAtRoute\(object\)](#) , [ControllerBase.AcceptedAtRoute\(string\)](#) ,

[ControllerBase.AcceptedAtRoute\(string, object\)](#) ,
 [ControllerBase.AcceptedAtRoute\(object, object\)](#) ,
 [ControllerBase.AcceptedAtRoute\(string, object, object\)](#) , [ControllerBase.Challenge\(\)](#) ,
 [ControllerBase.Challenge\(params string\[\]\)](#) ,
 [ControllerBase.Challenge\(AuthenticationProperties\)](#) ,
 [ControllerBase.Challenge\(AuthenticationProperties, params string\[\]\)](#) ,
 [ControllerBase.Forbid\(\)](#) , [ControllerBase.Forbid\(params string\[\]\)](#) ,
 [ControllerBase.Forbid\(AuthenticationProperties\)](#) ,
 [ControllerBase.Forbid\(AuthenticationProperties, params string\[\]\)](#) ,
 [ControllerBase.SignIn\(ClaimsPrincipal\)](#) , [ControllerBase.SignIn\(ClaimsPrincipal, string\)](#) ,
 [ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties\)](#) ,
 [ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties, string\)](#) ,
 [ControllerBase.SignOut\(\)](#) , [ControllerBase.SignOut\(AuthenticationProperties\)](#) ,
 [ControllerBase.SignOut\(params string\[\]\)](#) ,
 [ControllerBase.SignOut\(AuthenticationProperties, params string\[\]\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, params Expression<Func<TModel, object>>\[\]\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, Func<ModelMetadata, bool>\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, params Expression<Func<TModel, object>>\[\]\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, Func<ModelMetadata, bool>\)](#) ,
 [ControllerBase.TryUpdateModelAsync\(object, Type, string\)](#) ,
 [ControllerBase.TryUpdateModelAsync\(object, Type, string, IValueProvider, Func<ModelMetadata, bool>\)](#) ,
 [ControllerBase.TryValidateModel\(object\)](#) ,
 [ControllerBase.TryValidateModel\(object, string\)](#) , [ControllerBase.HttpContext](#) ,
 [ControllerBase.Request](#) , [ControllerBase.Response](#) , [ControllerBase.RouteData](#) ,
 [ControllerBase.ModelState](#) , [ControllerBase.ControllerContext](#) ,
 [ControllerBase.MetadataProvider](#) , [ControllerBase.ModelBinderFactory](#) ,
 [ControllerBase.Url](#) , [ControllerBase.ObjectValidator](#) ,
 [ControllerBase.ProblemDetailsFactory](#) , [ControllerBase.User](#) , [ControllerBase.Empty](#) ,
 [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
 [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
 [object.ToString\(\)](#)

Constructors

AuthController(IMediator)

```
public AuthController(IMediator mediator)
```

Parameters

mediator IMediator

Methods

AdminRegister(AdminUserRegistrationRequest, CancellationToken)

```
[Authorize(Policy = "RequireAdminRole")]
[HttpPost("admin/register")]
public Task<ActionResult<AdminUserResponse>>
AdminRegister(AdminUserRegistrationRequest request, CancellationToken
cancellationToken)
```

Parameters

request [AdminUserRegistrationRequest](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[ActionResult](#)<[AdminUserResponse](#)>>

GetOAuthUrl(GetOAuthUrlQueryParams, CancellationToken)

```
[HttpGet("oauth")]
public Task<ActionResult<GetOAuthUrlResponse>> GetOAuthUrl(GetOAuthUrlQueryParams
queryParams, CancellationToken cancellationToken)
```

Parameters

queryParams [GetOAuthUrlQueryParams](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[ActionResult](#)<[GetOAuthUrlResponse](#)>>

Login(UserAuthenticationRequest, CancellationToken)

```
[HttpPost("login")]
public Task<ActionResult<UserAuthenticationResponse>>
Login(UserAuthenticationRequest request, CancellationToken cancellationToken)
```

Parameters

request [UserAuthenticationRequest](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[ActionResult](#)<[UserAuthenticationResponse](#)>>

LoginOAuth(LoginOAuthRequest, CancellationToken)

```
[HttpPost("oauth")]
public Task<ActionResult<UserAuthenticationResponse>> LoginOAuth(LoginOAuthRequest
request, CancellationToken cancellationToken)
```

Parameters

request [LoginOAuthRequest](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#) <[ActionResult](#)> <[UserAuthenticationResponse](#)>>

Refresh(AuthToken, CancellationToken)

```
[HttpPost("refresh")]
public Task<ActionResult<AuthToken>> Refresh(AuthToken request,
CancellationToken cancellationToken)
```

Parameters

request [AuthToken](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#) <[ActionResult](#)> <[AuthToken](#)>>

Register(UserRegistrationRequest, CancellationToken)

```
[HttpPost("register")]
public Task<ActionResult<UserAuthenticationResponse>>
Register(UserRegistrationRequest request, CancellationToken cancellationToken)
```

Parameters

request [UserRegistrationRequest](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#) <[ActionResult](#)> <[UserAuthenticationResponse](#)>>

Class UserController

Namespace: [UserApi.Controllers](#)

Assembly: UserApi.dll

```
[Route("user")]
[ApiController]
public class UserController : ControllerBase
```

Inheritance

[object](#) ← [ControllerBase](#) ← UserController

Inherited Members

[ControllerBase.StatusCode\(int\)](#) , [ControllerBase.StatusCode\(int, object\)](#) ,
[ControllerBase.Content\(string\)](#) , [ControllerBase.Content\(string, string\)](#) ,
[ControllerBase.Content\(string, string, Encoding\)](#) ,
[ControllerBase.Content\(string, MediaTypeHeaderValue\)](#) , [ControllerBase.NoContent\(\)](#) ,
[ControllerBase.Ok\(\)](#) , [ControllerBase.Ok\(object\)](#) , [ControllerBase.Redirect\(string\)](#) ,
[ControllerBase.RedirectPermanent\(string\)](#) ,
[ControllerBase.RedirectPreserveMethod\(string\)](#) ,
[ControllerBase.RedirectPermanentPreserveMethod\(string\)](#) ,
[ControllerBase.LocalRedirect\(string\)](#) , [ControllerBase.LocalRedirectPermanent\(string\)](#) ,
[ControllerBase.LocalRedirectPreserveMethod\(string\)](#) ,
[ControllerBase.LocalRedirectPermanentPreserveMethod\(string\)](#) ,
[ControllerBase.RedirectToAction\(\)](#) , [ControllerBase.RedirectToAction\(string\)](#) ,
[ControllerBase.RedirectToAction\(string, object\)](#) ,
[ControllerBase.RedirectToAction\(string, string\)](#) ,
[ControllerBase.RedirectToAction\(string, string, object\)](#) ,
[ControllerBase.RedirectToAction\(string, string, string\)](#) ,
[ControllerBase.RedirectToAction\(string, string, object, string\)](#) ,
[ControllerBase.RedirectToActionPreserveMethod\(string, string, object, string\)](#) ,
[ControllerBase.RedirectToActionPermanent\(string\)](#) ,
[ControllerBase.RedirectToActionPermanent\(string, object\)](#) ,
[ControllerBase.RedirectToActionPermanent\(string, string\)](#) ,
[ControllerBase.RedirectToActionPermanent\(string, string, string\)](#) ,
[ControllerBase.RedirectToActionPermanent\(string, string, object\)](#) ,
[ControllerBase.RedirectToActionPermanent\(string, string, object, string\)](#) ,
[ControllerBase.RedirectToActionPermanentPreserveMethod\(string, string, object, string\)](#) ,
[ControllerBase.RedirectToRoute\(string\)](#) , [ControllerBase.RedirectToRoute\(object\)](#) ,

[ControllerBase.RedirectToRoute\(string, object\)](#) ,
 [ControllerBase.RedirectToRoute\(string, string\)](#) ,
 [ControllerBase.RedirectToRoute\(string, object, string\)](#) ,
 [ControllerBase.RedirectToRoutePreserveMethod\(string, object, string\)](#) ,
 [ControllerBase.RedirectToRoutePermanent\(string\)](#) ,
 [ControllerBase.RedirectToRoutePermanent\(object\)](#) ,
 [ControllerBase.RedirectToRoutePermanent\(string, object\)](#) ,
 [ControllerBase.RedirectToRoutePermanent\(string, string\)](#) ,
 [ControllerBase.RedirectToRoutePermanent\(string, object, string\)](#) ,
 [ControllerBase.RedirectToRoutePermanentPreserveMethod\(string, object, string\)](#) ,
 [ControllerBase.RedirectToPage\(string\)](#) , [ControllerBase.RedirectToPage\(string, object\)](#) ,
 [ControllerBase.RedirectToPage\(string, string\)](#) ,
 [ControllerBase.RedirectToPage\(string, string, object\)](#) ,
 [ControllerBase.RedirectToPage\(string, string, string\)](#) ,
 [ControllerBase.RedirectToPage\(string, string, object, string\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, object\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, string\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, string, string\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, string, object, string\)](#) ,
 [ControllerBase.RedirectToPagePreserveMethod\(string, string, object, string\)](#) ,
 [ControllerBase.RedirectToPagePermanentPreserveMethod\(string, string, object, string\)](#) ,
 [ControllerBase.File\(byte\[\], string\)](#) , [ControllerBase.File\(byte\[\], string, bool\)](#) ,
 [ControllerBase.File\(byte\[\], string, string\)](#) ,
 [ControllerBase.File\(byte\[\], string, string, bool\)](#) ,
 [ControllerBase.File\(byte\[\], string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(byte\[\], string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(byte\[\], string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(byte\[\], string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(Stream, string\)](#) , [ControllerBase.File\(Stream, string, bool\)](#) ,
 [ControllerBase.File\(Stream, string, string\)](#) ,
 [ControllerBase.File\(Stream, string, string, bool\)](#) ,
 [ControllerBase.File\(Stream, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(Stream, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(Stream, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(Stream, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(string, string\)](#) , [ControllerBase.File\(string, string, bool\)](#) ,
 [ControllerBase.File\(string, string, string\)](#) , [ControllerBase.File\(string, string, string, bool\)](#) ,
 [ControllerBase.File\(string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,

[ControllerBase.File\(string, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(string, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.PhysicalFile\(string, string\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, bool\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, string\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, string, bool\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.Unauthorized\(\)](#) , [ControllerBase.Unauthorized\(object\)](#) ,
 [ControllerBase.NotFound\(\)](#) , [ControllerBase.NotFound\(object\)](#) ,
 [ControllerBase.BadRequest\(\)](#) , [ControllerBase.BadRequest\(object\)](#) ,
 [ControllerBase.BadRequest\(ModelStateDictionary\)](#) ,
 [ControllerBase.UnprocessableEntity\(\)](#) , [ControllerBase.UnprocessableEntity\(object\)](#) ,
 [ControllerBase.UnprocessableEntity\(ModelStateDictionary\)](#) , [ControllerBase.Conflict\(\)](#) ,
 [ControllerBase.Conflict\(object\)](#) , [ControllerBase.Conflict\(ModelStateDictionary\)](#) ,
 [ControllerBase.Problem\(string, string, int?, string, string\)](#) ,
 [ControllerBase.ValidationProblem\(ValidationProblemDetails\)](#) ,
 [ControllerBase.ValidationProblem\(ModelStateDictionary\)](#) ,
 [ControllerBase.ValidationProblem\(\)](#) ,
 [ControllerBase.ValidationProblem\(string, string, int?, string, string, ModelStateDictionary\)](#) ,

 [ControllerBase.Created\(\)](#) , [ControllerBase.Created\(string, object\)](#) ,
 [ControllerBase.Created\(Uri, object\)](#) , [ControllerBase.CreatedAtAction\(string, object\)](#) ,
 [ControllerBase.CreatedAtAction\(string, object, object\)](#) ,
 [ControllerBase.CreatedAtAction\(string, string, object, object\)](#) ,
 [ControllerBase.CreatedAtRoute\(string, object\)](#) ,
 [ControllerBase.CreatedAtRoute\(object, object\)](#) ,
 [ControllerBase.CreatedAtRoute\(string, object, object\)](#) , [ControllerBase.Accepted\(\)](#) ,
 [ControllerBase.Accepted\(object\)](#) , [ControllerBase.Accepted\(Uri\)](#) ,
 [ControllerBase.Accepted\(string\)](#) , [ControllerBase.Accepted\(string, object\)](#) ,
 [ControllerBase.Accepted\(Uri, object\)](#) , [ControllerBase.AcceptedAtAction\(string\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, string\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, object\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, string, object\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, object, object\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, string, object, object\)](#) ,
 [ControllerBase.AcceptedAtRoute\(object\)](#) , [ControllerBase.AcceptedAtRoute\(string\)](#) ,

[ControllerBase.AcceptedAtRoute\(string, object\)](#) ,
 [ControllerBase.AcceptedAtRoute\(object, object\)](#) ,
 [ControllerBase.AcceptedAtRoute\(string, object, object\)](#) , [ControllerBase.Challenge\(\)](#) ,
 [ControllerBase.Challenge\(params string\[\]\)](#) ,
 [ControllerBase.Challenge\(AuthenticationProperties\)](#) ,
 [ControllerBase.Challenge\(AuthenticationProperties, params string\[\]\)](#) ,
 [ControllerBase.Forbid\(\)](#) , [ControllerBase.Forbid\(params string\[\]\)](#) ,
 [ControllerBase.Forbid\(AuthenticationProperties\)](#) ,
 [ControllerBase.Forbid\(AuthenticationProperties, params string\[\]\)](#) ,
 [ControllerBase.SignIn\(ClaimsPrincipal\)](#) , [ControllerBase.SignIn\(ClaimsPrincipal, string\)](#) ,
 [ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties\)](#) ,
 [ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties, string\)](#) ,
 [ControllerBase.SignOut\(\)](#) , [ControllerBase.SignOut\(AuthenticationProperties\)](#) ,
 [ControllerBase.SignOut\(params string\[\]\)](#) ,
 [ControllerBase.SignOut\(AuthenticationProperties, params string\[\]\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, params Expression<Func<TModel, object>>\[\]\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, Func<ModelMetadata, bool>\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, params Expression<Func<TModel, object>>\[\]\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, Func<ModelMetadata, bool>\)](#) ,
 [ControllerBase.TryUpdateModelAsync\(object, Type, string\)](#) ,
 [ControllerBase.TryUpdateModelAsync\(object, Type, string, IValueProvider, Func<ModelMetadata, bool>\)](#) ,
 [ControllerBase.TryValidateModel\(object\)](#) ,
 [ControllerBase.TryValidateModel\(object, string\)](#) , [ControllerBase.HttpContext](#) ,
 [ControllerBase.Request](#) , [ControllerBase.Response](#) , [ControllerBase.RouteData](#) ,
 [ControllerBase.ModelState](#) , [ControllerBase.ControllerContext](#) ,
 [ControllerBase.MetadataProvider](#) , [ControllerBase.ModelBinderFactory](#) ,
 [ControllerBase.Url](#) , [ControllerBase.ObjectValidator](#) ,
 [ControllerBase.ProblemDetailsFactory](#) , [ControllerBase.User](#) , [ControllerBase.Empty](#) ,
 [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
 [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
 [object.ToString\(\)](#)

Constructors

UserController(IMediator)

```
public UserController(IMediator mediator)
```

Parameters

mediator IMediator

Methods

AdminDeleteUser(string, CancellationToken)

```
[Authorize(Policy = "RequireAdminRole")]
[HttpDelete("admin/delete/{info}")]
public Task<IActionResult> AdminDeleteUser(string info, CancellationToken
cancellationToken)
```

Parameters

info [string](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[IActionResult](#)>

AdminGetPaginatedUserAmount(Admin GetUser Filter, CancellationToken)

```
[Authorize(Policy = "RequireAdminRole")]
[HttpPost("admin/users/amount")]
public Task<ActionResult<int>> AdminGetPaginatedUserAmount(Admin GetUser Filter
request, CancellationToken cancellationToken)
```

Parameters

request [Admin GetUserFilter](#)

cancellationToken [Cancellation Token](#)

Returns

[Task](#)<[ActionResult](#)<[int](#)>>>

AdminGetPaginatedUsers(Admin GetUserFilter, Cancellation Token)

```
[Authorize(Policy = "RequireAdminRole")]
[HttpPost("admin/users")]
public Task<ActionResult<IEnumerable<AdminUserResponse>>>
AdminGetPaginatedUsers(Admin GetUserFilter request, CancellationToken
cancellationToken)
```

Parameters

request [Admin GetUserFilter](#)

cancellationToken [Cancellation Token](#)

Returns

[Task](#)<[ActionResult](#)<[IEnumerable](#)<[AdminUserResponse](#)>>>

Admin GetUser(string, Cancellation Token)

```
[Authorize(Policy = "RequireAdminRole")]
[HttpGet("admin/users/{info}")]
public Task<ActionResult<AdminUserResponse>> Admin GetUser(string info,
cancellationToken)
```

Parameters

info [string](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[ActionResult](#)<[AdminUserResponse](#)>>

AdminUpdate(AdminUserUpdateDataRequest, CancellationToken)

```
[Authorize(Policy = "RequireAdminRole")]
[HttpPut("admin/update")]
public Task<ActionResult<AdminUserResponse>> AdminUpdate(AdminUserUpdateDataRequest
request, CancellationToken cancellationToken)
```

Parameters

request [AdminUserUpdateDataRequest](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[ActionResult](#)<[AdminUserResponse](#)>>

DeleteUser(CancellationToken)

```
[Authorize(Policy = "RequireClientRole")]
[HttpDelete]
public Task<IActionResult> DeleteUser(CancellationToken cancellationToken)
```

Parameters

cancellationToken [CancellationToken](#)

Returns

[Task](#)<ActionResult>

Update(UserUpdateDataRequest, CancellationToken)

```
[Authorize(Policy = "RequireClientRole")]
[HttpPut("update")]
public Task<ActionResult> Update(UserUpdateDataRequest request,
CancellationToken cancellationToken)
```

Parameters

request [UserUpdateDataRequest](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<ActionResult>

Namespace UserApi.Domain.Dtos

Classes

[Admin GetUserFilter](#)

ContainsInfo - login, username, email, id, etc...

[AuthToken](#)

Class Admin GetUser Filter

Namespace: [UserApi.Domain.Dtos](#)

Assembly: UserApi.dll

ContainsInfo - login, username, email, id, etc...

```
public class Admin GetUser Filter : PaginationRequest
```

Inheritance

[object](#) ← [PaginationRequest](#) ← Admin GetUser Filter

Inherited Members

[PaginationRequest.PageNumber](#) , [PaginationRequest.PageSize](#) , [object.Equals\(object\)](#) ,
[object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Properties

ContainsInfo

```
public string? ContainsInfo { get; set; }
```

Property Value

[string](#)

Class AuthToken

Namespace: [UserApi.Domain.Dtos](#)

Assembly: UserApi.dll

```
public class AuthToken
```

Inheritance

[object](#) ← AuthToken

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

AccessToken

```
public string? AccessToken { get; set; }
```

Property Value

[string](#)

RefreshToken

```
public string? RefreshToken { get; set; }
```

Property Value

[string](#)

RefreshTokenExpiryDate

```
public DateTime RefreshTokenExpiryDate { get; set; }
```

Property Value

[DateTime](#) ↗

Namespace UserApi.Domain.Dtos. Requests

Classes

[AdminUserRegistrationRequest](#)

[AdminUserUpdateDataRequest](#)

[GetOAuthUrlQueryParams](#)

[LoginOAuthRequest](#)

[UserAuthenticationRequest](#)

[UserRegistrationRequest](#)

[UserUpdateDataRequest](#)

Class AdminUserRegistrationRequest

Namespace: [UserApi.Domain.Dtos.Requests](#)

Assembly: UserApi.dll

```
public class AdminUserRegistrationRequest
```

Inheritance

[object](#) ← AdminUserRegistrationRequest

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

ConfirmPassword

```
public string? ConfirmPassword { get; set; }
```

Property Value

[string](#)

Email

```
public string? Email { get; set; }
```

Property Value

[string](#)

Password

```
public string? Password { get; set; }
```

Property Value

[string](#)

Roles

```
public List<string> Roles { get; set; }
```

Property Value

[List](#) <[string](#)>

Class AdminUserUpdateDataRequest

Namespace: [UserApi.Domain.Dtos.Requests](#)

Assembly: UserApi.dll

```
public class AdminUserUpdateDataRequest
```

Inheritance

[object](#) ← AdminUserUpdateDataRequest

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

ConfirmPassword

```
public string? ConfirmPassword { get; set; }
```

Property Value

[string](#)

CurrentLogin

```
public string? CurrentLogin { get; set; }
```

Property Value

[string](#)

Email

```
public string? Email { get; set; }
```

Property Value

[string](#)

Password

```
public string? Password { get; set; }
```

Property Value

[string](#)

Roles

```
public List<string> Roles { get; set; }
```

Property Value

[List](#) <[string](#)>

Class GetOAuthUrlQueryParams

Namespace: [UserApi.Domain.Dtos.Requests](#)

Assembly: UserApi.dll

```
public class GetOAuthUrlQueryParams
```

Inheritance

[object](#) ← GetOAuthUrlQueryParams

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

CodeVerifier

```
public string? CodeVerifier { get; set; }
```

Property Value

[string](#)

OAuthLoginProvider

```
public OAuthLoginProvider OAuthLoginProvider { get; set; }
```

Property Value

[OAuthLoginProvider](#)

RedirectUrl

```
public string? RedirectUrl { get; set; }
```

Property Value

[string](#) ↗

Class LoginOAuthRequest

Namespace: [UserApi.Domain.Dtos.Requests](#)

Assembly: UserApi.dll

```
public class LoginOAuthRequest
```

Inheritance

[object](#) ← LoginOAuthRequest

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

Code

```
public string? Code { get; set; }
```

Property Value

[string](#)

CodeVerifier

```
public string? CodeVerifier { get; set; }
```

Property Value

[string](#)

OAuthLoginProvider

```
public OAuthLoginProvider OAuthLoginProvider { get; set; }
```

Property Value

[OAuthLoginProvider](#)

RedirectUrl

```
public string? RedirectUrl { get; set; }
```

Property Value

[string](#) ↗

Class UserAuthenticationRequest

Namespace: [UserApi.Domain.Dtos.Requests](#)

Assembly: UserApi.dll

```
public class UserAuthenticationRequest
```

Inheritance

[object](#) ← UserAuthenticationRequest

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

Login

```
public string? Login { get; set; }
```

Property Value

[string](#)

Password

```
public string? Password { get; set; }
```

Property Value

[string](#)

Class UserRegistrationRequest

Namespace: [UserApi.Domain.Dtos.Requests](#)

Assembly: UserApi.dll

```
public class UserRegistrationRequest
```

Inheritance

[object](#) ← UserRegistrationRequest

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

ConfirmPassword

```
public string? ConfirmPassword { get; set; }
```

Property Value

[string](#)

Email

```
public string? Email { get; set; }
```

Property Value

[string](#)

Password

```
public string? Password { get; set; }
```

Property Value

[string](#) ↗

Class UserUpdateDataRequest

Namespace: [UserApi.Domain.Dtos.Requests](#)

Assembly: UserApi.dll

```
public class UserUpdateDataRequest
```

Inheritance

[object](#) ← UserUpdateDataRequest

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

Email

```
public string? Email { get; set; }
```

Property Value

[string](#)

OldPassword

```
public string? OldPassword { get; set; }
```

Property Value

[string](#)

Password

```
public string? Password { get; set; }
```

Property Value

[string](#) ↗

Namespace UserApi.Domain.Dtos.Responses

Classes

[AdminUserResponse](#)

[GetOAuthUrlResponse](#)

[UserAuthenticationResponse](#)

Class AdminUserResponse

Namespace: [UserApi.Domain.Dtos.Responses](#)

Assembly: UserApi.dll

```
public class AdminUserResponse
```

Inheritance

[object](#) ← AdminUserResponse

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

AuthenticationMethods

```
public List<AuthenticationMethod> AuthenticationMethods { get; set; }
```

Property Value

[List](#)<[AuthenticationMethod](#)>

Email

```
public string? Email { get; set; }
```

Property Value

[string](#)

Id

```
public string? Id { get; set; }
```

Property Value

[string](#)

RegisteredAtUtc

```
public DateTime RegisteredAtUtc { get; set; }
```

Property Value

[DateTime](#)

Roles

```
public List<string> Roles { get; set; }
```

Property Value

[List](#)<[string](#)>

UpdatedAtUtc

```
public DateTime UpdatedAtUtc { get; set; }
```

Property Value

[DateTime](#)

UserName

```
public string? UserName { get; set; }
```

Property Value

[string](#) ↗

Class GetOAuthUrlResponse

Namespace: [UserApi.Domain.Dtos.Responses](#)

Assembly: UserApi.dll

```
public class GetOAuthUrlResponse
```

Inheritance

[object](#) ← GetOAuthUrlResponse

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

Url

```
public string? Url { get; set; }
```

Property Value

[string](#)

Class UserAuthenticationResponse

Namespace: [UserApi.Domain.Dtos.Responses](#)

Assembly: UserApi.dll

```
public class UserAuthenticationResponse
```

Inheritance

[object](#) ← UserAuthenticationResponse

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

AuthToken

```
public AuthToken? AuthToken { get; set; }
```

Property Value

[AuthToken](#)

Email

```
public string? Email { get; set; }
```

Property Value

[string](#)

Roles

```
public List<String> Roles { get; set; }
```

Property Value

[List](#)<[String](#)>

Namespace UserApi.Domain.Models

Classes

[CreateUserFromOAuth](#)

[UserUpdateData](#)

Class CreateUserFromOAuth

Namespace: [UserApi.Domain.Models](#)

Assembly: UserApi.dll

```
public class CreateUserFromOAuth
```

Inheritance

[object](#) ← CreateUserFromOAuth

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

AuthMethod

```
public required AuthenticationMethod AuthMethod { get; set; }
```

Property Value

[AuthenticationMethod](#)

Email

```
public required string Email { get; set; }
```

Property Value

[string](#)

LoginProviderSubject

```
public required string LoginProviderSubject { get; set; }
```

Property Value

[string](#) ↗

Class UserUpdateData

Namespace: [UserApi.Domain.Models](#)

Assembly: UserApi.dll

```
public class UserUpdateData
```

Inheritance

[object](#) ← UserUpdateData

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

Email

```
public string? Email { get; set; }
```

Property Value

[string](#)

OldPassword

```
public string? OldPassword { get; set; }
```

Property Value

[string](#)

Password

```
public string? Password { get; set; }
```

Property Value

[string](#) ↗

UserName

```
public string? UserName { get; set; }
```

Property Value

[string](#) ↗

Namespace UserApi.Migrations

Classes

[InitialMigration](#)

A base class inherited by each EF Core migration.

Class InitialMigration

Namespace: [UserApi.Migrations](#)

Assembly: UserApi.dll

A base class inherited by each EF Core migration.

```
[DbContext(typeof(UserIdentityDbContext))]
[Migration("20241024130709_InitialMigration")]
public class InitialMigration : Migration
```

Inheritance

[object](#) ← [Migration](#) ← InitialMigration

Inherited Members

[Migration.InitialDatabase](#) , [Migration.TargetModel](#) , [Migration.UpOperations](#) ,
[Migration.DownOperations](#) , [Migration.ActiveProvider](#) , [object.Equals\(object\)](#) ,
[object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Remarks

See [Database migrations](#) for more information and examples.

Methods

BuildTargetModel(ModelBuilder)

Implemented to build the [TargetModel](#).

```
protected override void BuildTargetModel(ModelBuilder modelBuilder)
```

Parameters

modelBuilder [ModelBuilder](#)

The [ModelBuilder](#) to use to build the model.

Remarks

See [Database migrations](#) for more information and examples.

Down(MigrationBuilder)

Builds the operations that will migrate the database 'down'.

```
protected override void Down(MigrationBuilder migrationBuilder)
```

Parameters

`migrationBuilder` [MigrationBuilder](#)

The [MigrationBuilder](#) that will build the operations.

Remarks

That is, builds the operations that will take the database from the state left in by this migration so that it returns to the state that it was in before this migration was applied.

This method must be overridden in each class that inherits from [Migration](#) if both 'up' and 'down' migrations are to be supported. If it is not overridden, then calling it will throw and it will not be possible to migrate in the 'down' direction.

See [Database migrations](#) for more information and examples.

Up(MigrationBuilder)

Builds the operations that will migrate the database 'up'.

```
protected override void Up(MigrationBuilder migrationBuilder)
```

Parameters

`migrationBuilder` [MigrationBuilder](#)

The [MigrationBuilder](#) that will build the operations.

Remarks

That is, builds the operations that will take the database from the state left in by the previous migration so that it is up-to-date with regard to this migration.

This method must be overridden in each class that inherits from [Migration](#).

See [Database migrations](#) for more information and examples.

Namespace UserApi.Services

Classes

[TokenService](#)

[UserAuthenticationMethodService](#)

[UserService](#)

Interfaces

[ITokenService](#)

[IUserAuthenticationMethodService](#)

[IUserService](#)

Interface ITokenService

Namespace: [UserApi.Services](#)

Assembly: UserApi.dll

```
public interface ITokenService
```

Methods

CreateNewTokenDataAsync(User, DateTime, CancellationToken)

```
Task<AccessTokenData> CreateNewTokenDataAsync(User user, DateTime  
refreshTokenExpiryDate, CancellationToken cancellationToken)
```

Parameters

user [User](#)

refreshTokenExpiryDate [DateTime](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[AccessTokenData](#)>

GetPrincipalFromToken(string)

```
ClaimsPrincipal GetPrincipalFromToken(string token)
```

Parameters

token [string](#)

Returns

[ClaimsPrincipal](#)

SetRefreshTokenAsync(User, AccessTokenData, CancellationToken)

Task **SetRefreshTokenAsync**(User user, AccessTokenData accessTokenData, CancellationToken cancellationToken)

Parameters

user [User](#)

accessTokenData [AccessTokenData](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)

Interface IUserAuthenticationMethodService

Namespace: [UserApi.Services](#)

Assembly: UserApi.dll

```
public interface IUserAuthenticationMethodService
```

Methods

GetUserAuthenticationMethodsAsync(User, CancellationToken)

```
Task<List<AuthenticationMethod>> GetUserAuthenticationMethodsAsync(User user, CancellationToken cancellationToken)
```

Parameters

user [User](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[List](#)<[AuthenticationMethod](#)>>

SetUserAuthenticationMethodAsync(User, AuthenticationMethod, CancellationToken)

```
Task SetUserAuthenticationMethodAsync(User user, AuthenticationMethod method, CancellationToken cancellationToken)
```

Parameters

user [User](#)

method [AuthenticationMethod](#)

cancellationToken [CancellationToken](#) ↴

Returns

[Task](#) ↴

Interface IUserService

Namespace: [UserApi.Services](#)

Assembly: UserApi.dll

```
public interface IUserService
```

Methods

DeleteUserAsync(User, CancellationToken)

```
Task<IdentityResult> DeleteUserAsync(User user, CancellationToken cancellationToken)
```

Parameters

user [User](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[IdentityResult](#)>

GetPaginatedUsersAsync(Admin GetUserFilter, CancellationToken)

```
Task<IEnumerable<User>> GetPaginatedUsersAsync(Admin GetUserFilter filter, CancellationToken cancellationToken)
```

Parameters

filter [Admin GetUserFilter](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#) <[IEnumerable](#) <[User](#)>>

GetUserAsync(ClaimsPrincipal, CancellationToken)

```
Task<User?> GetUserAsync(ClaimsPrincipal principal, CancellationToken cancellationToken)
```

Parameters

principal [ClaimsPrincipal](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#) <[User](#)>

GetUserByLoginAsync(string, CancellationToken)

```
Task<User?> GetUserByLoginAsync(string login, CancellationToken cancellationToken)
```

Parameters

login [string](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#) <[User](#)>

GetUserRolesAsync(User, CancellationToken)

```
Task<List<string>> GetUserRolesAsync(User user, CancellationToken cancellationToken)
```

Parameters

user [User](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[List](#)<[string](#)>>

GetUserTotalAmountAsync(Admin GetUserFilter, CancellationToken)

```
Task<int> GetUserTotalAmountAsync(Admin GetUserFilter filter,  
CancellationToken cancellationToken)
```

Parameters

filter [Admin GetUserFilter](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<int>

SetUserRolesAsync(User, List<string>, CancellationToken)

```
Task<List<IdentityError>> SetUserRolesAsync(User user, List<string> roles,  
CancellationToken cancellationToken)
```

Parameters

user [User](#)

roles [List](#)<[string](#)>

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[List](#)<[IdentityError](#)>>

UpdateUserAsync(User, UserUpdateData, bool, CancellationToken)

```
Task<List<IdentityError>> UpdateUserAsync(User user, UserUpdateData updateData, bool  
resetPassword, CancellationToken cancellationToken)
```

Parameters

user [User](#)

updateData [UserUpdateData](#)

resetPassword [bool](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[List](#)<[IdentityError](#)>>

Class TokenService

Namespace: [UserApi.Services](#)

Assembly: UserApi.dll

```
public class TokenService : ITokenService
```

Inheritance

[object](#) ← TokenService

Implements

[ITokenService](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

TokenService(ITokenHandler, UserManager<User>)

```
public TokenService(ITokenHandler tokenHandler, UserManager<User> userManager)
```

Parameters

tokenHandler [ITokenHandler](#)

userManager [UserManager](#)<User>

Methods

CreateNewTokenDataAsync(User, DateTime,
CancellationToken)

```
public Task<AccessTokenData> CreateNewTokenDataAsync(User user, DateTime  
refreshTokenExpiryDate, CancellationToken cancellationToken)
```

Parameters

user [User](#)

refreshTokenExpiryDate [DateTime](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<AccessTokenData>

GetPrincipalFromToken(string)

```
public ClaimsPrincipal GetPrincipalFromToken(string token)
```

Parameters

token [string](#)

Returns

[ClaimsPrincipal](#)

SetRefreshTokenAsync(User, AccessTokenData, CancellationToken)

```
public Task SetRefreshTokenAsync(User user, AccessTokenData accessTokenData,  
CancellationToken cancellationToken)
```

Parameters

user [User](#)

accessTokenData [AccessTokenData](#)

cancellationToken [CancellationToken](#) ↴

Returns

[Task](#) ↴

Class UserAuthenticationMethodService

Namespace: [UserApi.Services](#)

Assembly: UserApi.dll

```
public class UserAuthenticationMethodService : IUserAuthenticationMethodService
```

Inheritance

[object](#) ← UserAuthenticationMethodService

Implements

[IUserAuthenticationMethodService](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

UserAuthenticationMethodService(IDatabaseRepository<UserIdentityDbContext>)

```
public UserAuthenticationMethodService(IDatabaseRepository<UserIdentityDbContext>  
databaseRepository)
```

Parameters

databaseRepository [IDatabaseRepository<UserIdentityDbContext>](#)

Methods

GetUserAuthenticationMethodsAsync(User, CancellationToken)

```
public Task<List<AuthenticationMethod>> GetUserAuthenticationMethodsAsync(User user,  
CancellationToken cancellationToken)
```

Parameters

user [User](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#) <[List](#) <[AuthenticationMethod](#)>>

SetUserAuthenticationMethodAsync(User, AuthenticationMethod, CancellationToken)

```
public Task SetUserAuthenticationMethodAsync(User user, AuthenticationMethod method,  
CancellationToken cancellationToken)
```

Parameters

user [User](#)

method [AuthenticationMethod](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)

Class UserService

Namespace: [UserApi.Services](#)

Assembly: UserApi.dll

```
public class UserService : IUserService
```

Inheritance

[object](#) ← UserService

Implements

[IUserService](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

UserService(UserManager<User>,
RoleManager<IdentityRole>)

```
public UserService(UserManager<User> userManager, RoleManager<IdentityRole>  
roleManager)
```

Parameters

userManager [UserManager](#)<User>

roleManager [RoleManager](#)<IdentityRole>

Methods

DeleteUserAsync(User, CancellationToken)

```
public Task<IdentityResult> DeleteUserAsync(User user, CancellationToken cancellationToken)
```

Parameters

user [User](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[IdentityResult](#)>

GetPaginatedUsersAsync(Admin GetUser Filter, Cancellation Token)

```
public Task<IEnumerable<User>> GetPaginatedUsersAsync(Admin GetUser Filter filter, CancellationToken cancellationToken)
```

Parameters

filter [Admin GetUser Filter](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[IEnumerable](#)<[User](#)>>

GetUser Async(Claims Principal, Cancellation Token)

```
public Task<User?> GetUserAsync(ClaimsPrincipal principal, CancellationToken cancellationToken)
```

Parameters

principal [ClaimsPrincipal](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<User>

GetUserByLoginAsync(string, CancellationToken)

```
public Task<User?> GetUserByLoginAsync(string login, CancellationToken  
cancellationToken)
```

Parameters

login [string](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<User>

GetUserRolesAsync(User, CancellationToken)

```
public Task<List<string>> GetUserRolesAsync(User user, CancellationToken  
cancellationToken)
```

Parameters

user [User](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[List](#)<string>>>

GetUserTotalAmountAsync(Admin GetUserFilter, Cancellation Token)

```
public Task<int> GetUserTotalAmountAsync(Admin GetUserFilter filter, Cancellation Token cancellationToken)
```

Parameters

filter [Admin GetUserFilter](#)

cancellationToken [Cancellation Token](#)

Returns

[Task](#)<int>

SetUserRolesAsync(User, List<string>, Cancellation Token)

```
public Task<List<IdentityError>> SetUserRolesAsync(User user, List<string> roles, Cancellation Token cancellationToken)
```

Parameters

user [User](#)

roles [List](#)<string>

cancellationToken [Cancellation Token](#)

Returns

[Task](#)<[List](#)<IdentityError>>

UpdateUserAsync(User, UserUpdateData, bool, Cancellation Token)

```
public Task<List<IdentityError>> UpdateUserAsync(User user, UserUpdateData  
updateData, bool resetPassword, CancellationToken cancellationToken)
```

Parameters

user [User](#)

updateData [UserUpdateData](#)

resetPassword [bool](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[List](#)<[IdentityError](#)>>

Namespace UserApi.Services.Auth

Classes

[AuthService](#)

[LoginUserParams](#)

[RefreshTokenParams](#)

[RegisterUserParams](#)

Interfaces

[IAuthService](#)

Class AuthService

Namespace: [UserApi.Services.Auth](#)

Assembly: UserApi.dll

```
public class AuthService : IAuthService
```

Inheritance

[object](#) ← AuthService

Implements

[IAuthService](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

AuthService(UserManager<User>, ITokenService, IConfiguration)

```
public AuthService(UserManager<User> userManager, ITokenService tokenService,  
IConfiguration configuration)
```

Parameters

userManager [UserManager](#)<User>

tokenService [ITokenService](#)

configuration [IConfiguration](#)

Methods

LoginUserAsync(LoginUserParams, CancellationToken)

```
public Task<AccessTokenData> LoginUserAsync(LoginUserParams loginParams,  
CancellationToken cancellationToken)
```

Parameters

loginParams [LoginUserParams](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<AccessTokenData>

RefreshTokenAsync(RefreshTokenParams, CancellationToken)

```
public Task<AccessTokenData> RefreshTokenAsync(RefreshTokenParams  
refreshTokenParams, CancellationToken cancellationToken)
```

Parameters

refreshTokenParams [RefreshTokenParams](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<AccessTokenData>

RegisterUserAsync(RegisterUserParams, CancellationToken)

```
public Task<IdentityResult> RegisterUserAsync(RegisterUserParams registerParams,  
CancellationToken cancellationToken)
```

Parameters

registerParams [RegisterUserParams](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[IdentityResult](#)>

Interface IAuthService

Namespace: [UserApi.Services.Auth](#)

Assembly: UserApi.dll

```
public interface IAuthService
```

Methods

LoginUserAsync(LoginUserParams, CancellationToken)

```
Task<AccessTokenData> LoginUserAsync(LoginUserParams loginParams,  
CancellationToken cancellationToken)
```

Parameters

loginParams [LoginUserParams](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<AccessTokenData>

RefreshTokenAsync(RefreshTokenParams, CancellationToken)

```
Task<AccessTokenData> RefreshTokenAsync(RefreshTokenParams refreshTokenParams,  
CancellationToken cancellationToken)
```

Parameters

refreshTokenParams [RefreshTokenParams](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#) <[AccessTokenData](#)>

RegisterUserAsync(RegisterUserParams, CancellationToken)

Task<IdentityResult> **RegisterUserAsync**(RegisterUserParams registerParams, CancellationToken cancellationToken)

Parameters

registerParams [RegisterUserParams](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#) <[IdentityResult](#)>

Class LoginUserParams

Namespace: [UserApi.Services.Auth](#)

Assembly: UserApi.dll

```
public record LoginUserParams : IEquatable<LoginUserParams>
```

Inheritance

[object](#) ← LoginUserParams

Implements

[IEquatable](#)<[LoginUserParams](#)>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

LoginUserParams(User, string)

```
public LoginUserParams(User User, string Password)
```

Parameters

User [User](#)

Password [string](#)

Properties

Password

```
public string Password { get; init; }
```

Property Value

[string](#) ↗

User

```
public User User { get; init; }
```

Property Value

[User](#)

Class RefreshTokenParams

Namespace: [UserApi.Services.Auth](#)

Assembly: UserApi.dll

```
public record RefreshTokenParams : IEquatable<RefreshTokenParams>
```

Inheritance

[object](#) ← RefreshTokenParams

Implements

[IEquatable](#)<[RefreshTokenParams](#)>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

RefreshTokenParams(User, AccessTokenData)

```
public RefreshTokenParams(User User, AccessTokenData AccessTokenData)
```

Parameters

User [User](#)

AccessTokenData [AccessTokenData](#)

Properties

AccessTokenData

```
public AccessTokenData AccessTokenData { get; init; }
```

Property Value

[AccessTokenData](#)

User

```
public User User { get; init; }
```

Property Value

[User](#)

Class RegisterUserParams

Namespace: [UserApi.Services.Auth](#)

Assembly: UserApi.dll

```
public record RegisterUserParams : IEquatable<RegisterUserParams>
```

Inheritance

[object](#) ← RegisterUserParams

Implements

[IEquatable](#)<[RegisterUserParams](#)>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

RegisterUserParams(User, string)

```
public RegisterUserParams(User User, string Password)
```

Parameters

User [User](#)

Password [string](#)

Properties

Password

```
public string Password { get; init; }
```

Property Value

string ↗

User

```
public User User { get; init; }
```

Property Value

User

Namespace UserApi.Services.OAuth

Classes

[GenerateOAuthRequestUrlParams](#)

[GetAccessOnCodeParams](#)

[UserOAuthCreationService](#)

Interfaces

[IOAuthService](#)

[IUserOAuthCreationService](#)

Class GenerateOAuthRequestUrlParams

Namespace: [UserApi.Services.OAuth](#)

Assembly: UserApi.dll

```
public record GenerateOAuthRequestUrlParams :  
IEquatable<GenerateOAuthRequestUrlParams>
```

Inheritance

[object](#) ← GenerateOAuthRequestUrlParams

Implements

[IEquatable](#)<[GenerateOAuthRequestUrlParams](#)>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

GenerateOAuthRequestUrlParams(string, string)

```
public GenerateOAuthRequestUrlParams(string RedirectUrl, string CodeVerifier)
```

Parameters

RedirectUrl [string](#)

CodeVerifier [string](#)

Properties

CodeVerifier

```
public string CodeVerifier { get; init; }
```

Property Value

[string](#) ↗

RedirectUrl

```
public string RedirectUrl { get; init; }
```

Property Value

[string](#) ↗

Class GetAccessOnCodeParams

Namespace: [UserApi.Services.OAuth](#)

Assembly: UserApi.dll

```
public record GetAccessOnCodeParams : IEquatable<GetAccessOnCodeParams>
```

Inheritance

[object](#) ← GetAccessOnCodeParams

Implements

[IEquatable](#)<[GetAccessOnCodeParams](#)>

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

GetAccessOnCodeParams(string, string, string)

```
public GetAccessOnCodeParams(string Code, string CodeVerifier, string RedirectUrl)
```

Parameters

Code [string](#)

CodeVerifier [string](#)

RedirectUrl [string](#)

Properties

Code

```
public string Code { get; init; }
```

Property Value

[string](#) ↗

CodeVerifier

```
public string CodeVerifier { get; init; }
```

Property Value

[string](#) ↗

RedirectUrl

```
public string RedirectUrl { get; init; }
```

Property Value

[string](#) ↗

Interface IOAuthService

Namespace: [UserApi.Services.OAuth](#)

Assembly: UserApi.dll

```
public interface IOAuthService
```

Methods

GenerateOAuthRequestUrl(GenerateOAuthRequestUrlParams)

```
string GenerateOAuthRequestUrl(GenerateOAuthRequestUrlParams generateUrlParams)
```

Parameters

generateUrlParams [GenerateOAuthRequestUrlParams](#)

Returns

[string](#)

GetAccessOnCodeAsync(GetAccessOnCodeParams, CancellationToken)

```
Task<AccessTokenData> GetAccessOnCodeAsync(GetAccessOnCodeParams accessOnCodeParams, CancellationToken cancellationToken)
```

Parameters

accessOnCodeParams [GetAccessOnCodeParams](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#) <[AccessTokenData](#)>

Interface IUserOAuthCreationService

Namespace: [UserApi.Services.OAuth](#)

Assembly: UserApi.dll

```
public interface IUserOAuthCreationService
```

Methods

CreateUserFromOAuthAsync(CreateUserFromOAuth, CancellationToken)

```
Task<User?> CreateUserFromOAuthAsync(CreateUserFromOAuth model,  
CancellationToken cancellationToken)
```

Parameters

model [CreateUserFromOAuth](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#) <User>

Class UserOAuthCreationService

Namespace: [UserApi.Services.OAuth](#)

Assembly: UserApi.dll

```
public class UserOAuthCreationService : IUserOAuthCreationService
```

Inheritance

[object](#) ← UserOAuthCreationService

Implements

[IUserOAuthCreationService](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

UserOAuthCreationService(UserManager<User>,
IUserAuthenticationMethodService)

```
public UserOAuthCreationService(UserManager<User> userManager,  
IUserAuthenticationMethodService authMethodService)
```

Parameters

userManager [UserManager](#)<User>

authMethodService [IUserAuthenticationMethodService](#)

Methods

CreateUserFromOAuthAsync(CreateUserFromOAuth,
CancellationToken)

```
public Task<User?> CreateUserFromOAuthAsync(CreateUserFromOAuth model,  
CancellationToken cancellationToken)
```

Parameters

model [CreateUserFromOAuth](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#) <User>

Namespace UserApi.Services.OAuth. Google Classes

[GoogleOAuthHttpClient](#)

[GoogleOAuthService](#)

Interfaces

[IGoogleOAuthHttpClient](#)

Class GoogleOAuthHttpClient

Namespace: [UserApi.Services OAuth Google](#)

Assembly: UserApi.dll

```
public class GoogleOAuthHttpClient : IGoogleOAuthHttpClient
```

Inheritance

[object](#) ← GoogleOAuthHttpClient

Implements

[IGoogleOAuthHttpClient](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

GoogleOAuthHttpClient(GoogleOAuthSettings,
IHttpHelper)

```
public GoogleOAuthHttpClient(GoogleOAuthSettings oAuthSettings,  
IHttpHelper httpHelperService)
```

Parameters

oAuthSettings [GoogleOAuthSettings](#)

httpHelperService [IHttpHelper](#)

Methods

ExchangeAuthorizationCodeAsync(string, string, string,
CancellationToken)

```
public Task<GoogleOAuthTokenResult?> ExchangeAuthorizationCodeAsync(string code,  
string codeVerifier, string redirectUrl, CancellationToken cancellationToken)
```

Parameters

code [string](#)

codeVerifier [string](#)

redirectUrl [string](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[GoogleOAuthTokenResult](#)>

GenerateOAuthRequestUrl(string, string, string)

```
public string GenerateOAuthRequestUrl(string scope, string redirectUrl,  
string codeVerifier)
```

Parameters

scope [string](#)

redirectUrl [string](#)

codeVerifier [string](#)

Returns

[string](#)

RefreshAccessTokenAsync(string, CancellationToken)

```
public Task<GoogleOAuthTokenResult?> RefreshAccessTokenAsync(string refreshToken,  
CancellationToken cancellationToken)
```

Parameters

refreshToken [string](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[GoogleOAuthTokenResult](#)>

Class GoogleOAuthService

Namespace: [UserApi.Services OAuth Google](#)

Assembly: UserApi.dll

```
public class GoogleOAuthService : IOAuthService
```

Inheritance

[object](#) ← GoogleOAuthService

Implements

[IOAuthService](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

GoogleOAuthService(IGoogleOAuthHttpClient,
IUserOAuthCreationService, ITokenService,
IGoogleTokenValidator, GoogleOAuthSettings,
 IConfiguration)

```
public GoogleOAuthService(IGoogleOAuthHttpClient httpClient,  
IUserOAuthCreationService userOAuthCreation, ITokenService tokenService,  
IGoogleTokenValidator googleTokenValidator, GoogleOAuthSettings oAuthSettings,  
IConfiguration configuration)
```

Parameters

httpClient [IGoogleOAuthHttpClient](#)

userOAuthCreation [IUserOAuthCreationService](#)

tokenService [ITokenService](#)

googleTokenValidator [IGoogleTokenValidator](#)

oAuthSettings [GoogleOAuthSettings](#)

configuration [IConfiguration](#)

Methods

GenerateOAuthRequestUrl(GenerateOAuthRequestUrlParams)

```
public string GenerateOAuthRequestUrl(GenerateOAuthRequestUrlParams  
generateUrlParams)
```

Parameters

generateUrlParams [GenerateOAuthRequestUrlParams](#)

Returns

[string](#)

GetAccessOnCodeAsync(GetAccessOnCodeParams, CancellationToken)

```
public Task<AccessTokenData> GetAccessOnCodeAsync(GetAccessOnCodeParams  
accessOnCodeParams, CancellationToken cancellationToken)
```

Parameters

accessOnCodeParams [GetAccessOnCodeParams](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[AccessTokenData](#)>

Interface IGoogleOAuthHttpClient

Namespace: [UserApi.Services.OAuth.Google](#)

Assembly: UserApi.dll

```
public interface IGoogleOAuthHttpClient
```

Methods

ExchangeAuthorizationCodeAsync(string, string, string, CancellationToken)

```
Task<GoogleOAuthTokenResult?> ExchangeAuthorizationCodeAsync(string code, string  
codeVerifier, string redirectUrl, CancellationToken cancellationToken)
```

Parameters

code [string](#)

codeVerifier [string](#)

redirectUrl [string](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[GoogleOAuthTokenResult](#)>

GenerateOAuthRequestUrl(string, string, string)

```
string GenerateOAuthRequestUrl(string scope, string redirectUrl,  
string codeVerifier)
```

Parameters

scope [string](#)

redirectUrl [string](#)

codeVerifier [string](#)

Returns

[string](#)

RefreshAccessTokenAsync(string, CancellationToken)

```
Task<GoogleOAuthTokenResult?> RefreshAccessTokenAsync(string refreshToken,  
CancellationToken cancellationToken)
```

Parameters

refreshToken [string](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[GoogleOAuthTokenResult](#)>

Namespace UserApi.Validators

Classes

[AccessTokenDataValidator](#)

[Admin GetUserFilterValidator](#)

[AdminUserRegistrationRequestValidator](#)

[AdminUserUpdateDataRequestValidator](#)

[LoginOAuthRequestValidator](#)

[OAuthGetUrlQueryParamsValidator](#)

[UserAuthenticationRequestValidator](#)

[UserRegistrationRequestValidator](#)

[UserUpdateDataRequestValidator](#)

Class AccessTokenDataValidator

Namespace: [UserApiValidators](#)

Assembly: UserApi.dll

```
public class AccessTokenDataValidator : AbstractValidator<AccessTokenData>,
IValidator<AccessTokenData>, IValidator, IEnumerable<IValidationRule>, IEnumerable
```

Inheritance

[object](#) ↗ ← AbstractValidator<[AccessTokenData](#)> ← AccessTokenDataValidator

Implements

IValidator<[AccessTokenData](#)>, IValidator, [IEnumerable](#) ↗<IValidationRule>, [IEnumerable](#) ↗

Inherited Members

AbstractValidator<AccessTokenData>.Validate(AccessTokenData) ,
[AbstractValidator<AccessTokenData>.ValidateAsync\(AccessTokenData, CancellationToken\)](#) ↗ ,
AbstractValidator<AccessTokenData>.Validate(ValidationContext<AccessTokenData>) ,
[AbstractValidator<AccessTokenData>.ValidateAsync\(ValidationContext<AccessTokenData>, CancellationToken\)](#) ↗ ,
AbstractValidator<AccessTokenData>.CreateDescriptor() ,
[AbstractValidator<AccessTokenData>.RuleFor<TPROPERTY>\(Expression<Func<AccessTokenData, TPROPERTY>>\)](#) ↗ ,
[AbstractValidator<AccessTokenData>.Transform<TPROPERTY, TTransformed>\(Expression<Func<AccessTokenData, TPROPERTY>>, Func<TPROPERTY, TTransformed>\)](#) ↗ ,
[AbstractValidator<AccessTokenData>.Transform<TPROPERTY, TTransformed>\(Expression<Func<AccessTokenData, TPROPERTY>>, Func<AccessTokenData, TPROPERTY, TTransformed>\)](#) ↗ ,
[AbstractValidator<AccessTokenData>.RuleForEach<TELEMENT>\(Expression<Func<AccessTokenData, IEnumerable<TELEMENT>>>\)](#) ↗ ,
[AbstractValidator<AccessTokenData>.TransformForEach<TELEMENT, TTransformed>\(Expression<Func<AccessTokenData, IEnumerable<TELEMENT>>>, Func<TELEMENT, TTransformed>\)](#) ↗ ,
[AbstractValidator<AccessTokenData>.TransformForEach<TELEMENT, TTransformed>\(Expression<Func<AccessTokenData, IEnumerable<TELEMENT>>>, Func<AccessTokenData, TELEMENT, TTransformed>\)](#) ↗ ,
[AbstractValidator<AccessTokenData>.RuleSet\(string, Action\)](#) ↗ ,
[AbstractValidator<AccessTokenData>.When\(Func<AccessTokenData, bool>, Action\)](#) ↗ ,

[AbstractValidator<AccessTokenData>.When\(Func<AccessTokenData, ValidationContext<AccessTokenData>, bool>, Action\)](#) ,
[AbstractValidator<AccessTokenData>.Unless\(Func<AccessTokenData, bool>, Action\)](#) ,
[AbstractValidator<AccessTokenData>.Unless\(Func<AccessTokenData, ValidationContext<AccessTokenData>, bool>, Action\)](#) ,
[AbstractValidator<AccessTokenData>.WhenAsync\(Func<AccessTokenData, CancellationToken, Task<bool>>, Action\)](#) ,
[AbstractValidator<AccessTokenData>.WhenAsync\(Func<AccessTokenData, ValidationContext<AccessTokenData>, CancellationToken, Task<bool>>, Action\)](#) ,
[AbstractValidator<AccessTokenData>.UnlessAsync\(Func<AccessTokenData, CancellationToken, Task<bool>>, Action\)](#) ,
[AbstractValidator<AccessTokenData>.UnlessAsync\(Func<AccessTokenData, ValidationContext<AccessTokenData>, CancellationToken, Task<bool>>, Action\)](#) ,
AbstractValidator<AccessTokenData>.Include(IValidator<AccessTokenData>) ,
[AbstractValidator<AccessTokenData>.Include<TValidator>\(Func<AccessTokenData, TValidator>\)](#) ,
AbstractValidator<AccessTokenData>.GetEnumerator() ,
[AbstractValidator<AccessTokenData>.EnsureInstanceNotNull\(object\)](#) ,
AbstractValidator<AccessTokenData>.PreValidate(ValidationContext<AccessTokenData>, ValidationResult) ,
AbstractValidator<AccessTokenData>.RaiseValidationException(ValidationContext<AccessTokenData>, ValidationResult) ,
AbstractValidator<AccessTokenData>.CascadeMode ,
AbstractValidator<AccessTokenData>.ClassLevelCascadeMode ,
AbstractValidator<AccessTokenData>.RuleLevelCascadeMode , [object.Equals\(object\)](#) ,
[object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Constructors

AccessTokenDataValidator()

```
public AccessTokenDataValidator()
```

Class Admin GetUser Filter Validator

Namespace: [UserApi.Validators](#)

Assembly: UserApi.dll

```
public class Admin GetUser Filter Validator : AbstractValidator<Admin GetUser Filter>,  
IValidator<Admin GetUser Filter>, IValidator, IEnumerable<IValidationRule>,  
IEnumerable
```

Inheritance

[object](#) ← AbstractValidator<Admin GetUser Filter> ← Admin GetUser Filter Validator

Implements

IValidator<Admin GetUser Filter>, IValidator, [IEnumerable](#)<IValidationRule>,
[IEnumerable](#)

Inherited Members

AbstractValidator<Admin GetUser Filter>.Validate(Admin GetUser Filter) ,
[AbstractValidator<Admin GetUser Filter>.ValidateAsync\(Admin GetUser Filter, Cancellation Token\)](#) ,
AbstractValidator<Admin GetUser Filter>.Validate(Validation Context<Admin GetUser Filter>) ,
[AbstractValidator<Admin GetUser Filter>.ValidateAsync\(Validation Context<Admin GetUser Filter>, Cancellation Token\)](#) ,
AbstractValidator<Admin GetUser Filter>.Create Descriptor() ,
[AbstractValidator<Admin GetUser Filter>.RuleFor<TProperty>\(Expression<Func<Admin GetUser Filter, TProperty>>\)](#) ,
[AbstractValidator<Admin GetUser Filter>.Transform<TProperty, TTransformed>\(Expression<Func<Admin GetUser Filter, TProperty>>, Func<TProperty, TTransformed>\)](#) ,
[AbstractValidator<Admin GetUser Filter>.Transform<TProperty, TTransformed>\(Expression<Func<Admin GetUser Filter, TProperty>>, Func<Admin GetUser Filter, TProperty, TTransformed>\)](#) ,
[AbstractValidator<Admin GetUser Filter>.RuleForEach<TElement>\(Expression<Func<Admin GetUser Filter, IEnumerable<TElement>>\)](#) ,
[AbstractValidator<Admin GetUser Filter>.TransformForEach<TElement, TTransformed>\(Expression<Func<Admin GetUser Filter, IEnumerable<TElement>>, Func<TElement, TTransformed>\)](#) ,
[AbstractValidator<Admin GetUser Filter>.TransformForEach<TElement, TTransformed>\(Expression<Func<Admin GetUser Filter, IEnumerable<TElement>>, Func<Admin GetUser Filter, TElement, TTransformed>\)](#) ,

[AbstractValidator<Admin GetUserFilter>.RuleSet\(string, Action\)](#) ,
[AbstractValidator<Admin GetUserFilter>.When\(Func<Admin GetUserFilter, bool>, Action\)](#) ,
[AbstractValidator<Admin GetUserFilter>.When\(Func<Admin GetUserFilter, ValidationContext<Admin GetUserFilter>, bool>, Action\)](#) ,
[AbstractValidator<Admin GetUserFilter>.Unless\(Func<Admin GetUserFilter, bool>, Action\)](#) ,
[AbstractValidator<Admin GetUserFilter>.Unless\(Func<Admin GetUserFilter, ValidationContext<Admin GetUserFilter>, bool>, Action\)](#) ,
[AbstractValidator<Admin GetUserFilter>.WhenAsync\(Func<Admin GetUserFilter, CancellationToken, Task<bool>>, Action\)](#) ,
[AbstractValidator<Admin GetUserFilter>.WhenAsync\(Func<Admin GetUserFilter, ValidationContext<Admin GetUserFilter>, CancellationToken, Task<bool>>, Action\)](#) ,
[AbstractValidator<Admin GetUserFilter>.UnlessAsync\(Func<Admin GetUserFilter, CancellationToken, Task<bool>>, Action\)](#) ,
[AbstractValidator<Admin GetUserFilter>.UnlessAsync\(Func<Admin GetUserFilter, ValidationContext<Admin GetUserFilter>, CancellationToken, Task<bool>>, Action\)](#) ,
AbstractValidator<Admin GetUserFilter>.Include(IValidator<Admin GetUserFilter>) ,
[AbstractValidator<Admin GetUserFilter>.Include<TValidator>\(Func<Admin GetUserFilter, TValidator>\)](#) ,
AbstractValidator<Admin GetUserFilter>.GetEnumerator() ,
[AbstractValidator<Admin GetUserFilter>.EnsureInstanceNotNull\(object\)](#) ,
AbstractValidator<Admin GetUserFilter>.PreValidate(ValidationContext<Admin GetUserFilter>, ValidationResult) ,
AbstractValidator<Admin GetUserFilter>.RaiseValidationException(ValidationContext<Admin GetUserFilter>, ValidationResult) ,
AbstractValidator<Admin GetUserFilter>.CascadeMode ,
AbstractValidator<Admin GetUserFilter>.ClassLevelCascadeMode ,
AbstractValidator<Admin GetUserFilter>.RuleLevelCascadeMode , [object.Equals\(object\)](#) ,
[object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Constructors

Admin GetUserFilterValidator(PaginationOptions)

```
public Admin GetUserFilterValidator(PaginationOptions paginationConfiguration)
```

Parameters

paginationConfiguration [PaginationOptions](#)

Class AdminUserRegistrationRequestValidator

Namespace: [UserApiValidators](#)

Assembly: UserApi.dll

```
public class AdminUserRegistrationRequestValidator
: AbstractValidator<AdminUserRegistrationRequest>,
IValidator<AdminUserRegistrationRequest>, IValidator, IEnumerable<IValidationRule>,
IEnumerable
```

Inheritance

[object](#) ← AbstractValidator<[AdminUserRegistrationRequest](#)> ←
AdminUserRegistrationRequestValidator

Implements

IValidator<[AdminUserRegistrationRequest](#)>, IValidator, [IEnumerable](#)<IValidationRule>,
[IEnumerable](#)

Inherited Members

AbstractValidator<AdminUserRegistrationRequest>.Validate(AdminUserRegistrationRequest),

[AbstractValidator<AdminUserRegistrationRequest>.ValidateAsync\(AdminUserRegistrationRequest, CancellationToken\)](#),

AbstractValidator<AdminUserRegistrationRequest>.Validate(ValidationContext<AdminUserRegistrationRequest>),

[AbstractValidator<AdminUserRegistrationRequest>.ValidateAsync\(ValidationContext<AdminUserRegistrationRequest>, CancellationToken\)](#),

AbstractValidator<AdminUserRegistrationRequest>.CreateDescriptor(),

[AbstractValidator<AdminUserRegistrationRequest>.RuleFor<TPROPERTY>\(Expression<Func<AdminUserRegistrationRequest, TPROPERTY>>\)](#),

[AbstractValidator<AdminUserRegistrationRequest>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<AdminUserRegistrationRequest, TPROPERTY>>, Func<TPROPERTY, TTRANSFORMED>\)](#),

[AbstractValidator<AdminUserRegistrationRequest>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<AdminUserRegistrationRequest, TPROPERTY>>, Func<AdminUserRegistrationRequest, TPROPERTY, TTRANSFORMED>\)](#),

[AbstractValidator<AdminUserRegistrationRequest>.RuleForEach<TELEMENT>\(Expression<Func<AdminUserRegistrationRequest, IEnumerable<TELEMENT>>\)](#),

[AbstractValidator<AdminUserRegistrationRequest>.RuleForEach<TELEMENT>\(Expression<Func<AdminUserRegistrationRequest, IEnumerable<TELEMENT>>\)](#),

```
AbstractValidator<AdminUserRegistrationRequest>.TransformForEach<TElement,
TTransformed>\(Expression<Func<AdminUserRegistrationRequest,
IEnumerable<TElement>>>, Func<TElement, TTransformed>\) ↴ ,
AbstractValidator<AdminUserRegistrationRequest>.TransformForEach<TElement,
TTransformed>\(Expression<Func<AdminUserRegistrationRequest,
IEnumerable<TElement>>>, Func<AdminUserRegistrationRequest, TElement,
TTransformed>\) ↴ ,
AbstractValidator<AdminUserRegistrationRequest>.RuleSet\(string, Action\) ↴ ,
AbstractValidator<AdminUserRegistrationRequest>.When\(Func<AdminUserRegistrationReq
uest, bool>, Action\) ↴ ,
AbstractValidator<AdminUserRegistrationRequest>.When\(Func<AdminUserRegistrationReq
uest, ValidationContext<AdminUserRegistrationRequest>, bool>, Action\) ↴ ,
AbstractValidator<AdminUserRegistrationRequest>.Unless\(Func<AdminUserRegistrationRe
quest, bool>, Action\) ↴ ,
AbstractValidator<AdminUserRegistrationRequest>.Unless\(Func<AdminUserRegistrationRe
quest, ValidationContext<AdminUserRegistrationRequest>, bool>, Action\) ↴ ,
AbstractValidator<AdminUserRegistrationRequest>.WhenAsync\(Func<AdminUserRegistrati
onRequest, CancellationToken, Task<bool>>, Action\) ↴ ,
AbstractValidator<AdminUserRegistrationRequest>.WhenAsync\(Func<AdminUserRegistrati
onRequest, ValidationContext<AdminUserRegistrationRequest>, CancellationToken,
Task<bool>>, Action\) ↴ ,
AbstractValidator<AdminUserRegistrationRequest>.UnlessAsync\(Func<AdminUserRegistrat
ionRequest, CancellationToken, Task<bool>>, Action\) ↴ ,
AbstractValidator<AdminUserRegistrationRequest>.UnlessAsync\(Func<AdminUserRegistrat
ionRequest, ValidationContext<AdminUserRegistrationRequest>, CancellationToken,
Task<bool>>, Action\) ↴ ,
AbstractValidator<AdminUserRegistrationRequest>.Include(IValidator<AdminUserRegistrati
onRequest>\) ,
AbstractValidator<AdminUserRegistrationRequest>.Include<TValidator>
\(Func<AdminUserRegistrationRequest, TValidator>\) ↴ ,
AbstractValidator<AdminUserRegistrationRequest>.GetEnumerator() ,
AbstractValidator<AdminUserRegistrationRequest>.EnsureInstanceNotNull\(object\) ↴ ,
AbstractValidator<AdminUserRegistrationRequest>.PreValidate(ValidationContext<AdminU
serRegistrationRequest>, ValidationResult\) ,
AbstractValidator<AdminUserRegistrationRequest>.RaiseValidationException(ValidationCon
text<AdminUserRegistrationRequest>, ValidationResult\) ,
AbstractValidator<AdminUserRegistrationRequest>.CascadeMode ,
AbstractValidator<AdminUserRegistrationRequest>.ClassLevelCascadeMode ,
AbstractValidator<AdminUserRegistrationRequest>.RuleLevelCascadeMode ,
object.Equals(object) ↴ , object.Equals(object, object) ↴ , object.GetHashCode() ↴ ,
```

[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Constructors

AdminUserRegistrationRequestValidator()

```
public AdminUserRegistrationRequestValidator()
```

Class AdminUserUpdateDataRequestValidator

Namespace: [UserApiValidators](#)

Assembly: UserApi.dll

```
public class AdminUserUpdateDataRequestValidator
: AbstractValidator<AdminUserUpdateDataRequest>,
IValidator<AdminUserUpdateDataRequest>, IValidator, IEnumerable<IValidationRule>,
IEnumerable
```

Inheritance

[object](#) ↵ AbstractValidator<[AdminUserUpdateDataRequest](#)> ↵
AdminUserUpdateDataRequestValidator

Implements

IValidator<[AdminUserUpdateDataRequest](#)>, IValidator, [IEnumerable](#)<IValidationRule>,
[IEnumerable](#)

Inherited Members

AbstractValidator<AdminUserUpdateDataRequest>.Validate(AdminUserUpdateDataRequest),
[AbstractValidator<AdminUserUpdateDataRequest>.ValidateAsync\(AdminUserUpdateDataRequest, CancellationToken\)](#),
AbstractValidator<AdminUserUpdateDataRequest>.Validate(ValidationContext<AdminUserUpdateDataRequest>),
[AbstractValidator<AdminUserUpdateDataRequest>.ValidateAsync\(ValidationContext<AdminUserUpdateDataRequest>, CancellationToken\)](#),
AbstractValidator<AdminUserUpdateDataRequest>.CreateDescriptor(),
[AbstractValidator<AdminUserUpdateDataRequest>.RuleFor<TPROPERTY>\(Expression<Func<AdminUserUpdateDataRequest, TPROPERTY>>\)](#),
[AbstractValidator<AdminUserUpdateDataRequest>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<AdminUserUpdateDataRequest, TPROPERTY>>, Func<TPROPERTY, TTRANSFORMED>\)](#),
[AbstractValidator<AdminUserUpdateDataRequest>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<AdminUserUpdateDataRequest, TPROPERTY>>, Func<AdminUserUpdateDataRequest, TPROPERTY, TTRANSFORMED>\)](#),
[AbstractValidator<AdminUserUpdateDataRequest>.RuleForEach<TELEMENT>\(Expression<Func<AdminUserUpdateDataRequest, IEnumerable<TELEMENT>>\)](#),

[AbstractValidator<AdminUserUpdateDataRequest>.TransformForEach<TElement,](#)
[TTransformed>\(Expression<Func<AdminUserUpdateDataRequest,](#)
[IEnumerable<TElement>>>, Func<TElement, TTransformed>\) ↴ ,](#)
[AbstractValidator<AdminUserUpdateDataRequest>.TransformForEach<TElement,](#)
[TTransformed>\(Expression<Func<AdminUserUpdateDataRequest,](#)
[IEnumerable<TElement>>>, Func<AdminUserUpdateDataRequest, TElement,](#)
[TTransformed>\) ↴ ,](#)
[AbstractValidator<AdminUserUpdateDataRequest>.RuleSet\(string, Action\) ↴ ,](#)
[AbstractValidator<AdminUserUpdateDataRequest>.When\(Func<AdminUserUpdateDataReq](#)
[uest, bool>, Action\) ↴ ,](#)
[AbstractValidator<AdminUserUpdateDataRequest>.When\(Func<AdminUserUpdateDataReq](#)
[uest, ValidationContext<AdminUserUpdateDataRequest>, bool>, Action\) ↴ ,](#)
[AbstractValidator<AdminUserUpdateDataRequest>.Unless\(Func<AdminUserUpdateDataRe](#)
[quest, bool>, Action\) ↴ ,](#)
[AbstractValidator<AdminUserUpdateDataRequest>.Unless\(Func<AdminUserUpdateDataRe](#)
[quest, ValidationContext<AdminUserUpdateDataRequest>, bool>, Action\) ↴ ,](#)
[AbstractValidator<AdminUserUpdateDataRequest>.WhenAsync\(Func<AdminUserUpdateDa](#)
[taRequest, CancellationToken, Task<bool>>, Action\) ↴ ,](#)
[AbstractValidator<AdminUserUpdateDataRequest>.WhenAsync\(Func<AdminUserUpdateDa](#)
[taRequest, ValidationContext<AdminUserUpdateDataRequest>, CancellationToken,](#)
[Task<bool>>, Action\) ↴ ,](#)
[AbstractValidator<AdminUserUpdateDataRequest>.UnlessAsync\(Func<AdminUserUpdateD](#)
[ataRequest, CancellationToken, Task<bool>>, Action\) ↴ ,](#)
[AbstractValidator<AdminUserUpdateDataRequest>.UnlessAsync\(Func<AdminUserUpdateD](#)
[ataRequest, ValidationContext<AdminUserUpdateDataRequest>, CancellationToken,](#)
[Task<bool>>, Action\) ↴ ,](#)
AbstractValidator<AdminUserUpdateDataRequest>.Include(IValidator<AdminUserUpdateDa
taRequest>),
[AbstractValidator<AdminUserUpdateDataRequest>.Include<TValidator>](#)
(Func<AdminUserUpdateDataRequest, TValidator>) ↴ ,
AbstractValidator<AdminUserUpdateDataRequest>.GetEnumerator() ,
[AbstractValidator<AdminUserUpdateDataRequest>.EnsureInstanceNotNull\(object\) ↴ ,](#)
AbstractValidator<AdminUserUpdateDataRequest>.PreValidate(ValidationContext<AdminU
serUpdateDataRequest>, ValidationResult) ,
AbstractValidator<AdminUserUpdateDataRequest>.RaiseValidationException(ValidationCon
text<AdminUserUpdateDataRequest>, ValidationResult) ,
AbstractValidator<AdminUserUpdateDataRequest>.CascadeMode ,
AbstractValidator<AdminUserUpdateDataRequest>.ClassLevelCascadeMode ,
AbstractValidator<AdminUserUpdateDataRequest>.RuleLevelCascadeMode ,
[object.Equals\(object\) ↴ , object.Equals\(object, object\) ↴ , object.GetHashCode\(\) ↴ ,](#)

[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Constructors

AdminUserUpdateDataRequestValidator()

```
public AdminUserUpdateDataRequestValidator()
```

Class LoginOAuthRequestValidator

Namespace: [UserApi.Validators](#)

Assembly: UserApi.dll

```
public class LoginOAuthRequestValidator : AbstractValidator<LoginOAuthRequest>,  
IValidator<LoginOAuthRequest>, IValidator, IEnumerable<IValidationRule>, IEnumerable
```

Inheritance

[object](#) ← AbstractValidator<[LoginOAuthRequest](#)> ← LoginOAuthRequestValidator

Implements

IValidator<[LoginOAuthRequest](#)>, IValidator, [IEnumerable](#)<IValidationRule>, [IEnumerable](#)

Inherited Members

AbstractValidator<LoginOAuthRequest>.Validate(LoginOAuthRequest) ,
[AbstractValidator<LoginOAuthRequest>.ValidateAsync\(LoginOAuthRequest, CancellationToken\)](#) ,
AbstractValidator<LoginOAuthRequest>.Validate(ValidationContext<LoginOAuthRequest>) ,
[AbstractValidator<LoginOAuthRequest>.ValidateAsync\(ValidationContext<LoginOAuthRequest>, CancellationToken\)](#) ,
AbstractValidator<LoginOAuthRequest>.CreateDescriptor() ,
[AbstractValidator<LoginOAuthRequest>.RuleFor<TPROPERTY>\(Expression<Func<LoginOAuthRequest, TPROPERTY>>\)](#) ,
[AbstractValidator<LoginOAuthRequest>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<LoginOAuthRequest, TPROPERTY>>, Func<TPROPERTY, TTRANSFORMED>\)](#) ,
[AbstractValidator<LoginOAuthRequest>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<LoginOAuthRequest, TPROPERTY>>, Func<LoginOAuthRequest, TPROPERTY, TTRANSFORMED>\)](#) ,
[AbstractValidator<LoginOAuthRequest>.RuleForEach<TELEMENT>\(Expression<Func<LoginOAuthRequest, IEnumerable<TELEMENT>>\)](#) ,
[AbstractValidator<LoginOAuthRequest>.TransformForEach<TELEMENT, TTRANSFORMED>\(Expression<Func<LoginOAuthRequest, IEnumerable<TELEMENT>>, Func<TELEMENT, TTRANSFORMED>\)](#) ,
[AbstractValidator<LoginOAuthRequest>.TransformForEach<TELEMENT, TTRANSFORMED>\(Expression<Func<LoginOAuthRequest, IEnumerable<TELEMENT>>, Func<LoginOAuthRequest, TELEMENT, TTRANSFORMED>\)](#) ,

[AbstractValidator<LoginOAuthRequest>.RuleSet\(string, Action\)](#) ,
[AbstractValidator<LoginOAuthRequest>.When\(Func<LoginOAuthRequest, bool>, Action\)](#) ,
[AbstractValidator<LoginOAuthRequest>.When\(Func<LoginOAuthRequest, ValidationContext<LoginOAuthRequest>, bool>, Action\)](#) ,
[AbstractValidator<LoginOAuthRequest>.Unless\(Func<LoginOAuthRequest, bool>, Action\)](#) ,

,
[AbstractValidator<LoginOAuthRequest>.Unless\(Func<LoginOAuthRequest, ValidationContext<LoginOAuthRequest>, bool>, Action\)](#) ,
[AbstractValidator<LoginOAuthRequest>.WhenAsync\(Func<LoginOAuthRequest, CancellationToken, Task<bool>>, Action\)](#) ,
[AbstractValidator<LoginOAuthRequest>.WhenAsync\(Func<LoginOAuthRequest, ValidationContext<LoginOAuthRequest>, CancellationToken, Task<bool>>, Action\)](#) ,
[AbstractValidator<LoginOAuthRequest>.UnlessAsync\(Func<LoginOAuthRequest, CancellationToken, Task<bool>>, Action\)](#) ,
[AbstractValidator<LoginOAuthRequest>.UnlessAsync\(Func<LoginOAuthRequest, ValidationContext<LoginOAuthRequest>, CancellationToken, Task<bool>>, Action\)](#) ,
AbstractValidator<LoginOAuthRequest>.Include(IValidator<LoginOAuthRequest>) ,
[AbstractValidator<LoginOAuthRequest>.Include<TValidator>\(Func<LoginOAuthRequest, TValidator>\)](#) ,
AbstractValidator<LoginOAuthRequest>.GetEnumerator() ,
[AbstractValidator<LoginOAuthRequest>.EnsureInstanceNotNull\(object\)](#) ,
AbstractValidator<LoginOAuthRequest>.PreValidate(ValidationContext<LoginOAuthRequest>, ValidationResult) ,
AbstractValidator<LoginOAuthRequest>.RaiseValidationException(ValidationContext<LoginOAuthRequest>, ValidationResult) ,
AbstractValidator<LoginOAuthRequest>.CascadeMode ,
AbstractValidator<LoginOAuthRequest>.ClassLevelCascadeMode ,
AbstractValidator<LoginOAuthRequest>.RuleLevelCascadeMode , [object.Equals\(object\)](#) ,
[object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Constructors

LoginOAuthRequestValidator()

```
public LoginOAuthRequestValidator()
```

Class OAuthGetUrlQueryParamsValidator

Namespace: [UserApi.Validators](#)

Assembly: UserApi.dll

```
public class OAuthGetUrlQueryParamsValidator :  
AbstractValidator<GetOAuthUrlQueryParams>, IValidator<GetOAuthUrlQueryParams>,  
IValidator, IEnumerable<IValidationRule>, IEnumerable
```

Inheritance

[object](#) ← AbstractValidator<[GetOAuthUrlQueryParams](#)> ←
OAuthGetUrlQueryParamsValidator

Implements

IValidator<[GetOAuthUrlQueryParams](#)>, IValidator, [IEnumerable](#)<IValidationRule>,
[IEnumerable](#)

Inherited Members

AbstractValidator<GetOAuthUrlQueryParams>.Validate(GetOAuthUrlQueryParams) ,
[AbstractValidator<GetOAuthUrlQueryParams>.ValidateAsync\(GetOAuthUrlQueryParams, CancellationToken\)](#) ,
AbstractValidator<GetOAuthUrlQueryParams>.Validate(ValidationContext<GetOAuthUrlQueryParams>) ,
[AbstractValidator<GetOAuthUrlQueryParams>.ValidateAsync\(ValidationContext<GetOAuthUrlQueryParams>, CancellationToken\)](#) ,
AbstractValidator<GetOAuthUrlQueryParams>.CreateDescriptor() ,
[AbstractValidator<GetOAuthUrlQueryParams>.RuleFor<TPROPERTY>\(Expression<Func<GetOAuthUrlQueryParams, TPROPERTY>>\)](#) ,
[AbstractValidator<GetOAuthUrlQueryParams>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<GetOAuthUrlQueryParams, TPROPERTY>>, Func<TPROPERTY, TTRANSFORMED>\)](#) ,
[AbstractValidator<GetOAuthUrlQueryParams>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<GetOAuthUrlQueryParams, TPROPERTY>>, Func<GetOAuthUrlQueryParams, TPROPERTY, TTRANSFORMED>\)](#) ,
[AbstractValidator<GetOAuthUrlQueryParams>.RuleForEach<TELEMENT>\(Expression<Func<GetOAuthUrlQueryParams, IEnumerable<TELEMENT>>>\)](#) ,
[AbstractValidator<GetOAuthUrlQueryParams>.TransformForEach<TELEMENT, TTRANSFORMED>\(Expression<Func<GetOAuthUrlQueryParams, IEnumerable<TELEMENT>>>, Func<TELEMENT, TTRANSFORMED>\)](#) ,

[AbstractValidator<GetOAuthUrlQueryParams>.TransformForEach<TElement, TTransformed>\(Expression<Func<GetOAuthUrlQueryParams, IEnumerable<TElement>>>, Func<GetOAuthUrlQueryParams, TElement, TTransformed>\)](#) ,
[AbstractValidator<GetOAuthUrlQueryParams>.RuleSet\(string, Action\)](#) ,
[AbstractValidator<GetOAuthUrlQueryParams>.When\(Func<GetOAuthUrlQueryParams, bool>, Action\)](#) ,
[AbstractValidator<GetOAuthUrlQueryParams>.When\(Func<GetOAuthUrlQueryParams, ValidationContext<GetOAuthUrlQueryParams>, bool>, Action\)](#) ,
[AbstractValidator<GetOAuthUrlQueryParams>.Unless\(Func<GetOAuthUrlQueryParams, bool>, Action\)](#) ,
[AbstractValidator<GetOAuthUrlQueryParams>.Unless\(Func<GetOAuthUrlQueryParams, ValidationContext<GetOAuthUrlQueryParams>, bool>, Action\)](#) ,
[AbstractValidator<GetOAuthUrlQueryParams>.WhenAsync\(Func<GetOAuthUrlQueryParams, CancellationToken, Task<bool>>, Action\)](#) ,
[AbstractValidator<GetOAuthUrlQueryParams>.WhenAsync\(Func<GetOAuthUrlQueryParams, ValidationContext<GetOAuthUrlQueryParams>, CancellationToken, Task<bool>>, Action\)](#) ,
[AbstractValidator<GetOAuthUrlQueryParams>.UnlessAsync\(Func<GetOAuthUrlQueryParams, CancellationToken, Task<bool>>, Action\)](#) ,
[AbstractValidator<GetOAuthUrlQueryParams>.UnlessAsync\(Func<GetOAuthUrlQueryParams, ValidationContext<GetOAuthUrlQueryParams>, CancellationToken, Task<bool>>, Action\)](#) ,
AbstractValidator<GetOAuthUrlQueryParams>.Include(IValidator<GetOAuthUrlQueryParams>) ,
[AbstractValidator<GetOAuthUrlQueryParams>.Include<TValidator>\(Func<GetOAuthUrlQueryParams, TValidator>\)](#) ,
AbstractValidator<GetOAuthUrlQueryParams>.GetEnumerator() ,
[AbstractValidator<GetOAuthUrlQueryParams>.EnsureInstanceNotNull\(object\)](#) ,
AbstractValidator<GetOAuthUrlQueryParams>.PreValidate(ValidationContext<GetOAuthUrlQueryParams>, ValidationResult) ,
AbstractValidator<GetOAuthUrlQueryParams>.RaiseValidationException(ValidationContext<GetOAuthUrlQueryParams>, ValidationResult) ,
AbstractValidator<GetOAuthUrlQueryParams>.CascadeMode ,
AbstractValidator<GetOAuthUrlQueryParams>.ClassLevelCascadeMode ,
AbstractValidator<GetOAuthUrlQueryParams>.RuleLevelCascadeMode ,
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

OAuthGetUrlQueryParamsValidator()

```
public OAuthGetUrlQueryParamsValidator()
```

Class UserAuthenticationRequestValidator

Namespace: [UserApi](#).[Validators](#)

Assembly: UserApi.dll

```
public class UserAuthenticationRequestValidator :  
AbstractValidator<UserAuthenticationRequest>, IValidator<UserAuthenticationRequest>,  
IValidator, IEnumerable<IValidationRule>, IEnumerable
```

Inheritance

```
object ↵ AbstractValidator<UserAuthenticationRequest> ↵  
UserAuthenticationRequestValidator
```

Implements

`IValidator<UserAuthenticationRequest>, IValidator, IEnumerable ↴<IValidationRule>, IEnumerable ↴`

Inherited Members

AbstractValidator<UserAuthenticationRequest>.Validate(UserAuthenticationRequest) ,
[AbstractValidator<UserAuthenticationRequest>.ValidateAsync\(UserAuthenticationRequest, CancellationToken\)](#) ,
AbstractValidator<UserAuthenticationRequest>.Validate(ValidationContext<UserAuthenticationRequest>) ,
[AbstractValidator<UserAuthenticationRequest>.ValidateAsync\(ValidationContext<UserAuthenticationRequest>, CancellationToken\)](#) ,
AbstractValidator<UserAuthenticationRequest>.CreateDescriptor() ,
[AbstractValidator<UserAuthenticationRequest>.RuleFor<TPROPERTY>\(Expression<Func<UserAuthenticationRequest, TPROPERTY>>\)](#) ,
[AbstractValidator<UserAuthenticationRequest>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<UserAuthenticationRequest, TPROPERTY>>, Func<TPROPERTY, TTRANSFORMED>\)](#) ,
[AbstractValidator<UserAuthenticationRequest>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<UserAuthenticationRequest, TPROPERTY>>, Func<UserAuthenticationRequest, TPROPERTY, TTRANSFORMED>\)](#) ,
[AbstractValidator<UserAuthenticationRequest>.RuleForEach<TELEMENT>\(Expression<Func<UserAuthenticationRequest, Ienumerable<TELEMENT>>>\)](#) ,
[AbstractValidator<UserAuthenticationRequest>.TransformForEach<TELEMENT, TTRANSFORMED>\(Expression<Func<UserAuthenticationRequest, Ienumerable<TELEMENT>>>, Func<TELEMENT, TTRANSFORMED>\)](#) ,

[AbstractValidator<UserAuthenticationRequest>.TransformForEach<TElement, TTransformed>\(Expression<Func<UserAuthenticationRequest, IEnumerable<TElement>>>, Func<UserAuthenticationRequest, TElement, TTransformed>\)](#)
↗ ,
[AbstractValidator<UserAuthenticationRequest>.RuleSet\(string, Action\)](#) ↗ ,
[AbstractValidator<UserAuthenticationRequest>.When\(Func<UserAuthenticationRequest, bool>, Action\)](#) ↗ ,
[AbstractValidator<UserAuthenticationRequest>.When\(Func<UserAuthenticationRequest, ValidationContext<UserAuthenticationRequest>, bool>, Action\)](#) ↗ ,
[AbstractValidator<UserAuthenticationRequest>.Unless\(Func<UserAuthenticationRequest, bool>, Action\)](#) ↗ ,
[AbstractValidator<UserAuthenticationRequest>.Unless\(Func<UserAuthenticationRequest, ValidationContext<UserAuthenticationRequest>, bool>, Action\)](#) ↗ ,
[AbstractValidator<UserAuthenticationRequest>.WhenAsync\(Func<UserAuthenticationRequest, CancellationToken, Task<bool>>, Action\)](#) ↗ ,
[AbstractValidator<UserAuthenticationRequest>.WhenAsync\(Func<UserAuthenticationRequest, ValidationContext<UserAuthenticationRequest>, CancellationToken, Task<bool>>, Action\)](#) ↗ ,
[AbstractValidator<UserAuthenticationRequest>.UnlessAsync\(Func<UserAuthenticationRequest, CancellationToken, Task<bool>>, Action\)](#) ↗ ,
[AbstractValidator<UserAuthenticationRequest>.UnlessAsync\(Func<UserAuthenticationRequest, ValidationContext<UserAuthenticationRequest>, CancellationToken, Task<bool>>, Action\)](#) ↗ ,
[AbstractValidator<UserAuthenticationRequest>.Include\(IValidator<UserAuthenticationRequest>\)](#) ,
[AbstractValidator<UserAuthenticationRequest>.Include<TValidator>\(Func<UserAuthenticationRequest, TValidator>\)](#) ↗ ,
[AbstractValidator<UserAuthenticationRequest>.GetEnumerator\(\)](#) ,
[AbstractValidator<UserAuthenticationRequest>.EnsureInstanceNotNull\(object\)](#) ↗ ,
[AbstractValidator<UserAuthenticationRequest>.PreValidate\(ValidationContext<UserAuthenticationRequest>, ValidationResult\)](#) ,
[AbstractValidator<UserAuthenticationRequest>.RaiseValidationException\(ValidationContext<UserAuthenticationRequest>, ValidationResult\)](#) ,
[AbstractValidator<UserAuthenticationRequest>.CascadeMode](#) ,
[AbstractValidator<UserAuthenticationRequest>.ClassLevelCascadeMode](#) ,
[AbstractValidator<UserAuthenticationRequest>.RuleLevelCascadeMode](#) ,
[object.Equals\(object\)](#) ↗ , [object.Equals\(object, object\)](#) ↗ , [object.GetHashCode\(\)](#) ↗ ,
[object.GetType\(\)](#) ↗ , [object.MemberwiseClone\(\)](#) ↗ , [object.ReferenceEquals\(object, object\)](#) ↗ ,
[object.ToString\(\)](#) ↗

Constructors

UserAuthenticationRequestValidator()

```
public UserAuthenticationRequestValidator()
```

Class UserRegistrationRequestValidator

Namespace: [UserApi.Validators](#)

Assembly: UserApi.dll

```
public class UserRegistrationRequestValidator :  
AbstractValidator<UserRegistrationRequest>, IValidator<UserRegistrationRequest>,  
IValidator, IEnumerable<IValidationRule>, IEnumerable
```

Inheritance

[object](#) ↳ AbstractValidator<[UserRegistrationRequest](#)> ↳ UserRegistrationRequestValidator

Implements

IValidator<[UserRegistrationRequest](#)>, IValidator, [IEnumerable](#)<IValidationRule>,
[IEnumerable](#)

Inherited Members

AbstractValidator<UserRegistrationRequest>.Validate(UserRegistrationRequest) ,
[AbstractValidator<UserRegistrationRequest>.ValidateAsync\(UserRegistrationRequest, CancellationToken\)](#) ,
AbstractValidator<UserRegistrationRequest>.Validate(ValidationContext<UserRegistrationRequest>) ,
[AbstractValidator<UserRegistrationRequest>.ValidateAsync\(ValidationContext<UserRegistrationRequest>, CancellationToken\)](#) ,
AbstractValidator<UserRegistrationRequest>.CreateDescriptor() ,
[AbstractValidator<UserRegistrationRequest>.RuleFor<TPROPERTY>\(Expression<Func<UserRegistrationRequest, TPROPERTY>>\)](#) ,
[AbstractValidator<UserRegistrationRequest>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<UserRegistrationRequest, TPROPERTY>>, Func<TPROPERTY, TTRANSFORMED>\)](#) ,
[AbstractValidator<UserRegistrationRequest>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<UserRegistrationRequest, TPROPERTY>>, Func<UserRegistrationRequest, TPROPERTY, TTRANSFORMED>\)](#) ,
[AbstractValidator<UserRegistrationRequest>.RuleForEach<TELEMENT>\(Expression<Func<UserRegistrationRequest, IEnumerable<TELEMENT>>\)](#) ,
[AbstractValidator<UserRegistrationRequest>.TransformForEach<TELEMENT, TTRANSFORMED>\(Expression<Func<UserRegistrationRequest, IEnumerable<TELEMENT>>, Func<TELEMENT, TTRANSFORMED>\)](#) ,

```
AbstractValidator<UserRegistrationRequest>.TransformForEach<TElement, TTransformed>\(Expression<Func<UserRegistrationRequest, IEnumerable<TElement>>>, Func<UserRegistrationRequest, TElement, TTransformed>\) ,
AbstractValidator<UserRegistrationRequest>.RuleSet\(string, Action\) ,
AbstractValidator<UserRegistrationRequest>.When\(Func<UserRegistrationRequest, bool>, Action\) ,
AbstractValidator<UserRegistrationRequest>.When\(Func<UserRegistrationRequest, ValidationContext<UserRegistrationRequest>, bool>, Action\) ,
AbstractValidator<UserRegistrationRequest>.Unless\(Func<UserRegistrationRequest, bool>, Action\) ,
AbstractValidator<UserRegistrationRequest>.Unless\(Func<UserRegistrationRequest, ValidationContext<UserRegistrationRequest>, bool>, Action\) ,
AbstractValidator<UserRegistrationRequest>.WhenAsync\(Func<UserRegistrationRequest, CancellationToken, Task<bool>>, Action\) ,
AbstractValidator<UserRegistrationRequest>.WhenAsync\(Func<UserRegistrationRequest, ValidationContext<UserRegistrationRequest>, CancellationToken, Task<bool>>, Action\) ,
AbstractValidator<UserRegistrationRequest>.UnlessAsync\(Func<UserRegistrationRequest, CancellationToken, Task<bool>>, Action\) ,
AbstractValidator<UserRegistrationRequest>.UnlessAsync\(Func<UserRegistrationRequest, ValidationContext<UserRegistrationRequest>, CancellationToken, Task<bool>>, Action\) ,
AbstractValidator<UserRegistrationRequest>.Include(IValidator<UserRegistrationRequest>)

,
AbstractValidator<UserRegistrationRequest>.Include<TValidator>(Func<UserRegistrationRequest, TValidator>)
AbstractValidator<UserRegistrationRequest>.GetEnumerator()
AbstractValidator<UserRegistrationRequest>.EnsureInstanceNotNull(object)
AbstractValidator<UserRegistrationRequest>.PreValidate(ValidationContext<UserRegistrationRequest>, ValidationResult)
AbstractValidator<UserRegistrationRequest>.RaiseValidationException(ValidationContext<UserRegistrationRequest>, ValidationResult)
AbstractValidator<UserRegistrationRequest>.CascadeMode
AbstractValidator<UserRegistrationRequest>.ClassLevelCascadeMode
AbstractValidator<UserRegistrationRequest>.RuleLevelCascadeMode
object.Equals(object) , object.Equals(object, object) , object.GetHashCode() ,
object.GetType() , object.MemberwiseClone() , object.ReferenceEquals(object, object) ,
object.ToString()
```

Constructors

UserRegistrationRequestValidator()

```
public UserRegistrationRequestValidator()
```

Class UserUpdateDataRequestValidator

Namespace: [UserApi.Validators](#)

Assembly: UserApi.dll

```
public class UserUpdateDataRequestValidator :  
AbstractValidator<UserUpdateDataRequest>, IValidator<UserUpdateDataRequest>,  
IValidator, IEnumerable<IValidationRule>, IEnumerable
```

Inheritance

[object](#) ← AbstractValidator<[UserUpdateDataRequest](#)> ← UserUpdateDataRequestValidator

Implements

IValidator<[UserUpdateDataRequest](#)>, IValidator, [IEnumerable](#)<IValidationRule>,
[IEnumerable](#)

Inherited Members

AbstractValidator<UserUpdateDataRequest>.Validate(UserUpdateDataRequest) ,
[AbstractValidator<UserUpdateDataRequest>.ValidateAsync\(UserUpdateDataRequest, CancellationToken\)](#) ,
AbstractValidator<UserUpdateDataRequest>.Validate(ValidationContext<UserUpdateDataRequest>) ,
[AbstractValidator<UserUpdateDataRequest>.ValidateAsync\(ValidationContext<UserUpdateDataRequest>, CancellationToken\)](#) ,
AbstractValidator<UserUpdateDataRequest>.CreateDescriptor() ,
[AbstractValidator<UserUpdateDataRequest>.RuleFor<TPROPERTY>\(Expression<Func<UserUpdateDataRequest, TPROPERTY>>\)](#) ,
[AbstractValidator<UserUpdateDataRequest>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<UserUpdateDataRequest, TPROPERTY>>, Func<TPROPERTY, TTRANSFORMED>\)](#) ,
[AbstractValidator<UserUpdateDataRequest>.Transform<TPROPERTY, TTRANSFORMED>\(Expression<Func<UserUpdateDataRequest, TPROPERTY>>, Func<UserUpdateDataRequest, TPROPERTY, TTRANSFORMED>\)](#) ,
[AbstractValidator<UserUpdateDataRequest>.RuleForEach<TELEMENT>\(Expression<Func<UserUpdateDataRequest, IEnumerable<TELEMENT>>\)](#) ,
[AbstractValidator<UserUpdateDataRequest>.TransformForEach<TELEMENT, TTRANSFORMED>\(Expression<Func<UserUpdateDataRequest, IEnumerable<TELEMENT>>, Func<TELEMENT, TTRANSFORMED>\)](#) ,

```
AbstractValidator<UserUpdateDataRequest>.TransformForEach<TElement, TTransformed>\(Expression<Func<UserUpdateDataRequest, IEnumerable<TElement>>>, Func<UserUpdateDataRequest, TElement, TTransformed>\) ,  
AbstractValidator<UserUpdateDataRequest>.RuleSet\(string, Action\) ,  
AbstractValidator<UserUpdateDataRequest>.When\(Func<UserUpdateDataRequest, bool>, Action\) ,  
AbstractValidator<UserUpdateDataRequest>.When\(Func<UserUpdateDataRequest, ValidationContext<UserUpdateDataRequest>, bool>, Action\) ,  
AbstractValidator<UserUpdateDataRequest>.Unless\(Func<UserUpdateDataRequest, bool>, Action\) ,  
AbstractValidator<UserUpdateDataRequest>.Unless\(Func<UserUpdateDataRequest, ValidationContext<UserUpdateDataRequest>, bool>, Action\) ,  
AbstractValidator<UserUpdateDataRequest>.WhenAsync\(Func<UserUpdateDataRequest, CancellationToken, Task<bool>>, Action\) ,  
AbstractValidator<UserUpdateDataRequest>.WhenAsync\(Func<UserUpdateDataRequest, ValidationContext<UserUpdateDataRequest>, CancellationToken, Task<bool>>, Action\) ,  
AbstractValidator<UserUpdateDataRequest>.UnlessAsync\(Func<UserUpdateDataRequest, CancellationToken, Task<bool>>, Action\) ,  
AbstractValidator<UserUpdateDataRequest>.UnlessAsync\(Func<UserUpdateDataRequest, ValidationContext<UserUpdateDataRequest>, CancellationToken, Task<bool>>, Action\) ,  
AbstractValidator<UserUpdateDataRequest>.Include(IValidator<UserUpdateDataRequest>)  
,  
AbstractValidator<UserUpdateDataRequest>.Include<TValidator>\(Func<UserUpdateDataRequest, TValidator>\) ,  
AbstractValidator<UserUpdateDataRequest>.GetEnumerator() ,  
AbstractValidator<UserUpdateDataRequest>.EnsureInstanceNotNull\(object\) ,  
AbstractValidator<UserUpdateDataRequest>.PreValidate(ValidationContext<UserUpdateDataRequest>, ValidationResult) ,  
AbstractValidator<UserUpdateDataRequest>.RaiseValidationException(ValidationContext<UserUpdateDataRequest>, ValidationResult) ,  
AbstractValidator<UserUpdateDataRequest>.CascadeMode ,  
AbstractValidator<UserUpdateDataRequest>.ClassLevelCascadeMode ,  
AbstractValidator<UserUpdateDataRequest>.RuleLevelCascadeMode ,  
object.Equals\(object\) , object.Equals\(object, object\) , object.GetHashCode\(\) ,  
object.GetType\(\) , object.MemberwiseClone\(\) , object.ReferenceEquals\(object, object\) ,  
object.ToString\(\)
```

Constructors

UserUpdateDataRequestValidator()

```
public UserUpdateDataRequestValidator()
```

Namespace UserEntities.Data

Classes

[UserIdentityDbContext](#)

Class UserIdentityDbContext

Namespace: [UserEntities.Data](#)

Assembly: UserEntities.dll

```
public class UserIdentityDbContext : IdentityDbContext<User>,
IInfrastructure<IServiceProvider>, IDbContextDependencies, IDbSetCache,
IDbContextPoolable, IResettableService, IDisposable, IAsyncDisposable
```

Inheritance

```
object ↳ DbContext ↳
IdentityUserContext<User, string, IdentityUserClaim<string>, IdentityUserLogin<string>,
IdentityUserToken<string>> ↳
IdentityDbContext<User, IdentityRole, string, IdentityUserClaim<string>, IdentityUserRole<string>,
IdentityUserLogin<string>, IdentityRoleClaim<string>, IdentityUserToken<string>> ↳
IdentityDbContext<User, IdentityRole, string> ↳ IdentityDbContext<User> ↳
UserIdentityDbContext
```

Implements

```
IInfrastructure<IServiceProvider>, IDbContextDependencies, IDbSetCache,
IDbContextPoolable, IResettableService, IDisposable, IAsyncDisposable
```

Inherited Members

```
IdentityDbContext<User, IdentityRole, string, IdentityUserClaim<string>,
IdentityUserRole<string>, IdentityUserLogin<string>, IdentityRoleClaim<string>,
IdentityUserToken<string>>.OnModelCreating(ModelBuilder) ,
IdentityDbContext<User, IdentityRole, string, IdentityUserClaim<string>,
IdentityUserRole<string>, IdentityUserLogin<string>, IdentityRoleClaim<string>,
IdentityUserToken<string>>.UserRoles ,
IdentityDbContext<User, IdentityRole, string, IdentityUserClaim<string>,
IdentityUserRole<string>, IdentityUserLogin<string>, IdentityRoleClaim<string>,
IdentityUserToken<string>>.Roles ,
IdentityDbContext<User, IdentityRole, string, IdentityUserClaim<string>,
IdentityUserRole<string>, IdentityUserLogin<string>, IdentityRoleClaim<string>,
IdentityUserToken<string>>.RoleClaims ,
IdentityUserContext<User, string, IdentityUserClaim<string>, IdentityUserLogin<string>,
IdentityUserToken<string>>.OnModelCreating(ModelBuilder) ,
```

[IdentityUserContext<User, string, IdentityUserClaim<string>, IdentityUserLogin<string>, IdentityUserToken<string>>.Users](#) ,
[IdentityUserContext<User, string, IdentityUserClaim<string>, IdentityUserLogin<string>, IdentityUserToken<string>>.UserClaims](#) ,
[IdentityUserContext<User, string, IdentityUserClaim<string>, IdentityUserLogin<string>, IdentityUserToken<string>>.UserLogins](#) ,
[IdentityUserContext<User, string, IdentityUserClaim<string>, IdentityUserLogin<string>, IdentityUserToken<string>>.UserTokens](#) ,
[IdentityUserContext<User, string, IdentityUserClaim<string>, IdentityUserLogin<string>, IdentityUserToken<string>>.SchemaVersion](#) ,
[DbContext.Set< TEntity >\(\)](#) , [DbContext.Set< TEntity >\(string\)](#) ,
[DbContext.OnConfiguring\(DbContextOptionsBuilder\)](#) ,
[DbContext.ConfigureConventions\(ModelConfigurationBuilder\)](#) ,
[DbContext.SaveChanges\(\)](#) , [DbContext.SaveChanges\(bool\)](#) ,
[DbContext.SaveChangesAsync\(bool, CancellationToken\)](#) , [DbContext.Dispose\(\)](#) ,
[DbContext.DisposeAsync\(\)](#) , [DbContext.Entry< TEntity >\(TEntity\)](#) ,
[DbContext.Entry\(object\)](#) , [DbContext.Add< TEntity >\(TEntity\)](#) ,
[DbContext.AddAsync< TEntity >\(TEntity, CancellationToken\)](#) ,
[DbContext.Attach< TEntity >\(TEntity\)](#) , [DbContext.Update< TEntity >\(TEntity\)](#) ,
[DbContext.Remove< TEntity >\(TEntity\)](#) , [DbContext.Add\(object\)](#) ,
[DbContext.AddAsync\(object, CancellationToken\)](#) , [DbContext.Attach\(object\)](#) ,
[DbContext.Update\(object\)](#) , [DbContext.Remove\(object\)](#) ,
[DbContext.AddRange\(params object\[\]\)](#) , [DbContext.AddRangeAsync\(params object\[\]\)](#) ,
[DbContext.AttachRange\(params object\[\]\)](#) , [DbContext.UpdateRange\(params object\[\]\)](#) ,
[DbContext.RemoveRange\(params object\[\]\)](#) ,
[DbContext.AddRange\(IEnumerable< object >\)](#) ,
[DbContext.AddRangeAsync\(IEnumerable< object >, CancellationToken\)](#) ,
[DbContext.AttachRange\(IEnumerable< object >\)](#) ,
[DbContext.UpdateRange\(IEnumerable< object >\)](#) ,
[DbContext.RemoveRange\(IEnumerable< object >\)](#) ,
[DbContext.Find\(Type, params object\[\]\)](#) , [DbContext.FindAsync\(Type, params object\[\]\)](#) ,
[DbContext.FindAsync\(Type, object\[\], CancellationToken\)](#) ,
[DbContext.Find< TEntity >\(params object\[\]\)](#) ,
[DbContext.FindAsync< TEntity >\(params object\[\]\)](#) ,
[DbContext.FindAsync< TEntity >\(object\[\], CancellationToken\)](#) ,
[DbContext.FromExpression< TResult >\(Expression< Func< IQueryble< TResult > > \)](#) ,
[DbContext.Database](#) , [DbContext.ChangeTracker](#) , [DbContext.Model](#) ,
[DbContext.ContextId](#) , [DbContext.SavingChanges](#) , [DbContext.SavedChanges](#) ,
[DbContext.SaveChangesFailed](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,

[object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) ,
[object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Constructors

UserIdentityDbContext(DbContextOptions)

```
public UserIdentityDbContext(DbContextOptions options)
```

Parameters

options [DbContextOptions](#)

Properties

UserAuthenticationMethods

```
public virtual DbSet<UserAuthenticationMethod> UserAuthenticationMethods { get;  
set; }
```

Property Value

[DbSet](#)<UserAuthenticationMethod>

Methods

OnModelCreating(ModelBuilder)

Configures the schema needed for the identity framework.

```
protected override void OnModelCreating(ModelBuilder builder)
```

Parameters

builder [ModelBuilder](#)

The builder being used to construct the model for this context.

SaveChangesAsync(CancellationToken)

Saves all changes made in this context to the database.

```
public override Task<int> SaveChangesAsync(CancellationToken cancellationToken  
= default)
```

Parameters

`cancellationToken` [CancellationToken](#)

A [CancellationToken](#) to observe while waiting for the task to complete.

Returns

[Task](#)< [int](#)>

A task that represents the asynchronous save operation. The task result contains the number of state entries written to the database.

Remarks

This method will automatically call [DetectChanges\(\)](#) to discover any changes to entity instances before saving to the underlying database. This can be disabled via [AutoDetectChangesEnabled](#).

Entity Framework Core does not support multiple parallel operations being run on the same `DbContext` instance. This includes both parallel execution of async queries and any explicit concurrent use from multiple threads. Therefore, always await async calls immediately, or use separate `DbContext` instances for operations that execute in parallel. See [Avoiding DbContext threading issues](#) for more information and examples.

See [Saving data in EF Core](#) for more information and examples.

Exceptions

[DbUpdateException](#)

An error is encountered while saving to the database.

[DbUpdateConcurrencyException](#)

A concurrency violation is encountered while saving to the database. A concurrency violation occurs when an unexpected number of rows are affected during save. This is usually because the data in the database has been modified since it was loaded into memory.

[OperationCanceledException](#)

If the [CancellationToken](#) is canceled.

Namespace UserEntities.Domain.Entities

Classes

[User](#)

[UserAuthenticationMethod](#)

Enums

[AuthenticationMethod](#)

Enum AuthenticationMethod

Namespace: [UserEntities.Domain.Entities](#)

Assembly: UserEntities.dll

```
public enum AuthenticationMethod
```

Fields

BaseAuthentication = 0

GoogleOAuth = 1

Class User

Namespace: [UserEntities.Domain.Entities](#)

Assembly: UserEntities.dll

```
[Index("Email", new string[] { }, IsUnique = true)]
public class User : IdentityUser
```

Inheritance

[object](#) ← [IdentityUser<string>](#) ← [IdentityUser](#) ← [User](#)

Inherited Members

[IdentityUser<string>.ToString\(\)](#) , [IdentityUser<string>.Id](#) ,
[IdentityUser<string>.UserName](#) , [IdentityUser<string>.NormalizedUserName](#) ,
[IdentityUser<string>.Email](#) , [IdentityUser<string>.NormalizedEmail](#) ,
[IdentityUser<string>.EmailConfirmed](#) , [IdentityUser<string>.PasswordHash](#) ,
[IdentityUser<string>.SecurityStamp](#) , [IdentityUser<string>.ConcurrencyStamp](#) ,
[IdentityUser<string>.PhoneNumber](#) , [IdentityUser<string>.PhoneNumberConfirmed](#) ,
[IdentityUser<string>.TwoFactorEnabled](#) , [IdentityUser<string>.LockoutEnd](#) ,
[IdentityUser<string>.LockoutEnabled](#) , [IdentityUser<string>.AccessFailedCount](#) ,
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#)

Properties

AuthenticationMethods

```
[Required]
public List<UserAuthenticationMethod> AuthenticationMethods { get; set; }
```

Property Value

[List<UserAuthenticationMethod>](#)

RefreshToken

```
[MaxLength(100)]  
public string? RefreshToken { get; set; }
```

Property Value

[string](#) ↗

RefreshTokenExpiryTime

```
public DateTime? RefreshTokenExpiryTime { get; set; }
```

Property Value

[DateTime](#) ↗?

RegisteredAtUtc

```
[Required]  
public DateTime RegisteredAtUtc { get; set; }
```

Property Value

[DateTime](#) ↗

UpdatedAtUtc

```
[Required]  
public DateTime UpdatedAtUtc { get; set; }
```

Property Value

[DateTime](#) ↗

Class UserAuthenticationMethod

Namespace: [UserEntities.Domain.Entities](#)

Assembly: UserEntities.dll

```
[Index("UserId", new string[] { "AuthenticationMethod" }, IsUnique = true)]
public class UserAuthenticationMethod
```

Inheritance

[object](#) ← UserAuthenticationMethod

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

AuthenticationMethod

```
public AuthenticationMethod AuthenticationMethod { get; set; }
```

Property Value

[AuthenticationMethod](#)

User

```
public User User { get; set; }
```

Property Value

[User](#)

UserId

[Required]

```
public string UserId { get; set; }
```

Property Value

[string](#) ↗