

Namespace Quickie.Apis.Crud

Classes

[CrudController<TViewModel, TRequestHandler, TIdType>](#)

Base class providing CRUD apis.

[CrudForCollectionController<TViewModel, TRequestHandler, TIdType>](#)

Base class providing CRUD apis in collection.

Class CrudController<TViewModel, TRequestHandler, TIdType>

Namespace: [Quickie.Apis.Crud](#)

Assembly: Quickie.dll

Base class providing CRUD apis.

```
public class CrudController<TViewModel, TRequestHandler, TIdType> : QuickieBaseApi where
    TViewModel : CrudDto where TRequestHandler : ICrudRequestHandler<TViewModel, TIdType> where
    TIdType : IComparable
```

Type Parameters

TViewModel

Dto.

TRequestHandler

Request handler (Service layer).

TIdType

Type of your primary key.

Inheritance

```
object ↵ ← ControllerBase ↵ ← QuickieBaseApi ←
CrudController<TViewModel, TRequestHandler, TIdType>
```

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\(string\)](#) ,
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 [ControllerBase.Forbid\(params string\[\]\) ↴](#) , [ControllerBase.Forbid\(AuthenticationProperties\) ↴](#) ,
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 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, Func<ModelMetadata, bool>\) ↴](#) ,
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 [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

CrudController(TRequestHandler)

Base class providing CRUD apis.

```
public CrudController(TRequestHandler requestHandler)
```

Parameters

`requestHandler` TRequestHandler

Request handler (Service layer)

Methods

CreateAsync(string?, TViewModel, CancellationToken)

Create data.

```
[HttpPost]
public Task<ActionResult<ResponseObj<TViewModel>>> CreateAsync(string? idempotencyKey,
TViewModel request, CancellationToken cancellationToken = default)
```

Parameters

`idempotencyKey` [string](#)

Idempotency key

`request` TViewModel

Requested data to create

`cancellationToken` [CancellationToken](#)

Cancellation token

Returns

[Task](#)<[ActionResult](#)<[ResponseObj](#)<TViewModel>>>

HTTP 201 Created, or 400 BadRequest.

DeleteAsync(TIdType, CancellationToken)

Delete data

```
[HttpDelete("{id}")]
public Task<ActionResult<ResponseObj>> DeleteAsync(TIdType id, CancellationToken
cancellationToken = default)
```

Parameters

id TIdType

Identifier of data

cancellationToken [CancellationToken](#)

Cancellation token

Returns

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

HTTP 204 NoContent or 400 BadRequest.

GetByIdAsync(TIdType, CancellationToken)

Get data by id.

```
[HttpGet("{id}")]
public Task<ActionResult<ResponseObj<TViewModel>>> GetByIdAsync(TIdType id,
cancellationToken cancellationToken = default)
```

Parameters

id TIdType

Identifier

`cancellationToken` [CancellationToken](#)

Cancellation token

Returns

`Task` <[ActionResult](#)<[ResponseObj](#)<TViewModel>>>

HTTP 200 Ok, 404 NotFound, or 400 BadRequest.

UpdateAsync(TIdType, TViewModel, CancellationToken)

Update data.

```
[HttpPut("{id}")]
public Task<ActionResult<ResponseObj<TViewModel>>> UpdateAsync(TIdType id, TViewModel
request, CancellationToken cancellationToken = default)
```

Parameters

`id` TIdType

Identifier of data

`request` TViewModel

Requested data to update

`cancellationToken` [CancellationToken](#)

Cancellation token

Returns

`Task` <[ActionResult](#)<[ResponseObj](#)<TViewModel>>>

HTTP 200 Ok, or 400 BadRequest.

Class

CrudForCollectionController<TViewModel, TRequestHandler, TIdType>

Namespace: [Quickie.Apis.Crud](#)

Assembly: Quickie.dll

Base class providing CRUD apis in collection.

```
public class CrudForCollectionController<TViewModel, TRequestHandler, TIdType> :  
    QuickieBaseApi where TViewModel : CrudDto where TRequestHandler :  
        ICrudForCollectionRequestHandler<TViewModel, TIdType> where TIdType : IComparable
```

Type Parameters

TViewModel

Dto

TRequestHandler

Request handler (Service layer)

TIdType

Type of your primary key.

Inheritance

```
object ← ControllerBase ← QuickieBaseApi ←  
CrudForCollectionController<TViewModel, TRequestHandler, TIdType>
```

Inherited Members

[ControllerBase.StatusCode\(int\)](#) , [ControllerBase.StatusCode\(int, object\)](#) ,
[ControllerBase.Content\(string\)](#) , [ControllerBase.Content\(string, string\)](#) ,
[ControllerBase.Content\(string, string, Encoding\)](#) ,
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 [ControllerBase.Empty](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,
 [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) ,
 [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Constructors

CrudForCollectionController(TRequestHandler)

Base class providing CRUD apis in collection.

```
public CrudForCollectionController(TRequestHandler requestHandler)
```

Parameters

`requestHandler` TRequestHandler

Methods

CountAsync(CancellationToken)

Total count of data.

```
[HttpGet("items/count")]
public Task<ActionResult<ResponseObj<int>>> CountAsync(CancellationToken cancellationToken
= default)
```

Parameters

`cancellationToken` [CancellationToken](#)

Cancellation token

Returns

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

HTTP 200 Ok or 400 BadRequest.

CreateAsync(string?, ICollection<TViewModel>, CancellationToken)

Create collection of data.

```
[HttpPost("items")]
public Task<ActionResult<ResponseObj<ICollection<TViewModel>>> CreateAsync(string?
idempotencyKey, ICollection<TViewModel> request, CancellationToken cancellationToken
= default)
```

Parameters

idempotencyKey [string](#)

Idempotency key.

request [ICollection](#)<TViewModel>

Requested data to create.

cancellationToken [CancellationToken](#)

Cancellation token

Returns

[Task](#)<[ActionResult](#)<[ResponseObj](#)<[ICollection](#)<TViewModel>>>>

HTTP 201 Created, or 400 BadRequest.

DeleteAsync(ICollection<TIdType>, CancellationToken)

DELETE request for collection of data.

```
[HttpDelete("items")]
public Task<ActionResult<ResponseObj>> DeleteAsync(ICollection<TIdType> ids,
CancellationToken cancellationToken = default)
```

Parameters

ids [ICollection](#)<TIdType>

Collection of id.

cancellationToken [CancellationToken](#)

Cancellation token

Returns

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

HTTP 204 NoContent or 400 BadRequest.

GetAllAsync(RequestForDataObj, CancellationToken)

Get all data. (Paginated)

```
[HttpGet("items")]
public Task<ActionResult<ResponseObj<PaginatedDataObj<TViewModel>>>>
    GetAllAsync(RequestForDataObj request, CancellationToken cancellationToken = default)
```

Parameters

request [RequestForDataObj](#)

Request object.

cancellationToken [CancellationToken](#)

Cancellation token

Returns

[Task](#) <[ActionResult](#) <[ResponseObj](#)<[PaginatedDataObj](#)<[TViewModel](#)>>>>

HTTP 200 Ok, 404 NotFound, or 400 BadRequest.

UpdateAsync(ICollection<TViewModel>, CancellationToken)

Update collection of data.

```
[HttpPut("items")]
public Task<ActionResult<ResponseObj<ICollection<TViewModel>>>>
    UpdateAsync(ICollection<TViewModel> request, CancellationToken cancellationToken = default)
```

Parameters

`request` [ICollection](#)<TViewModel>

Requested data to update

`cancellationToken` [CancellationToken](#)

Cancellation token

Returns

[Task](#)<[ActionResult](#)<[ResponseObj](#)<[ICollection](#)<TViewModel>>>

HTTP 200 Ok, or 400 BadRequest.

Namespace Quickie.Apis.Editonly

Classes

[EditOnlyController<TViewModel, TRequestHandler, TIdType>](#)

Base class providing Edit-Only APIs.

Class EditOnlyController<TViewModel, TRequestHandler, TIdType>

Namespace: [Quickie.Apis.Editonly](#)

Assembly: Quickie.dll

Base class providing Edit-Only APIs.

```
public class EditOnlyController<TViewModel, TRequestHandler, TIdType> : QuickieBaseApi where
    TViewModel : EditOnlyDto where TRequestHandler : IEditionRequestHandler<TViewModel,
    TIdType> where TIdType : IComparable
```

Type Parameters

TViewModel

Dto

TRequestHandler

Request handler (Service layer)

TIdType

Type of your primary key

Inheritance

```
object ↵ ← ControllerBase ↵ ← QuickieBaseApi ←
EditOnlyController<TViewModel, TRequestHandler, TIdType>
```

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\(string, string, string\)](#) ,
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 [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\(string, string, object, string\)](#) ,
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 [ControllerBase.File\(byte\[\], string, string\)](#) , [ControllerBase.File\(byte\[\], string, string, bool\)](#) ,
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 [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\(Stream, string, string, DateTimeOffset?, EntityTagHeaderValue\) ↗](#),
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 [ControllerBase.File\(string, string, string\) ↗](#), [ControllerBase.File\(string, string, string, bool\) ↗](#),
 [ControllerBase.File\(string, string, DateTimeOffset?\) ↗](#), [ControllerBase.EntityTagHeaderValue\) ↗](#),
 [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\(string, string, DateTimeOffset?\) ↗](#), [ControllerBase.EntityTagHeaderValue\) ↗](#),
 [ControllerBase.PhysicalFile\(string, string, DateTimeOffset?, EntityTagHeaderValue, bool\) ↗](#),
 [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.Problem\(string, string, int?, string, string, IDictionary<string, object>\) ↗](#),
 [ControllerBase.ValidationProblem\(ValidationProblemDetails\) ↗](#),
 [ControllerBase.ValidationProblem\(ModelStateDictionary\) ↗](#), [ControllerBase.ValidationProblem\(\) ↗](#),
 [ControllerBase.ValidationProblem\(string, string, int?, string, string, ModelStateDictionary\) ↗](#),
 [ControllerBase.ValidationProblem\(string, string, int?, string, string, ModelStateDictionary, IDictionary<string, object>\) ↗](#),
 [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

EditOnlyController(IEditOnlyRequestHandler<TViewModel, TIdType>)

Base class providing Edit-Only APIs.

```
public EditOnlyController(IEditOnlyRequestHandler<TViewModel, TIdType> requestHandler)
```

Parameters

requestHandler [IEditOnlyRequestHandler<TViewModel, TIdType>](#)

Methods

EditAsync(TIdType, TViewModel, CancellationToken)

Edit a single item.

```
[HttpPut("{id}")]
public Task<ActionResult<ResponseObj<TViewModel>>> EditAsync(TIdType id, TViewModel
requestModel, CancellationToken cancellationToken = default)
```

Parameters

id TIdType

Identifier of the item

requestModel TViewModel

Data for editing

cancellationToken [CancellationToken](#)

Cancellation token

Returns

[Task](#) <[ActionResult](#) <[ResponseObj](#)<TViewModel>>>

HTTP 200 Ok, or 400 BadRequest.

EditCollectionAsync(ICollection<TViewModel>, CancellationToken)

Edit a collection of items.

```
[HttpPut("items")]
public Task<ActionResult<ResponseObj<ICollection<TViewModel>>>>
EditCollectionAsync(ICollection<TViewModel> requestModels, CancellationToken
cancellationToken = default)
```

Parameters

requestModels [ICollection](#)<TViewModel>

Collection of items to edit

cancellationToken [CancellationToken](#)

Cancellation token

Returns

[Task](#)<[ActionResult](#)<[ResponseObj](#)<[ICollection](#)<TViewModel>>>>

HTTP 200 Ok, or 400 BadRequest.

Namespace Quickie.Apis.Readonly

Classes

[ReadOnlyCollectionController<TViewModel, TRequestHandler, TRequestForDataModel, TIdType>](#)

Abstract base class for read-only (GET) operations on data collections, utilizing a request handler to manage read operations.

[ReadOnlyController<TViewModel, TRequestHandler, TIdType>](#)

Abstract base class for read-only (GETs) operations that utilize a request handler for managing read operations.

Class

ReadOnlyCollectionController<TViewModel, TRequestHandler, TRequestForDataModel, TIdType>

Namespace: [Quickie.Apis.Readonly](#)

Assembly: Quickie.dll

Abstract base class for read-only (GET) operations on data collections, utilizing a request handler to manage read operations.

```
public class ReadOnlyCollectionController<TViewModel, TRequestHandler, TRequestForDataModel,
TIdType> : QuickieBaseApi where TViewModel : ReadOnlyDto where TRequestHandler :
IReadOnlyCollectionRequestHandler<TViewModel, TIdType> where TRequestForDataModel :
RequestForDataObj where TIdType : IComparable
```

Type Parameters

TViewModel

The type of the view model that represents the data transfer object.

TRequestHandler

The type of the request handler that processes the read-only operations.

TRequestForDataModel

The type to provide request for collection of data.

TIdType

Type of identifier (string, int, double, Guid, ...)

Inheritance

[object](#) ↴ ← [ControllerBase](#) ↴ ← [QuickieBaseApi](#) ←

ReadOnlyCollectionController<TViewModel, TRequestHandler, TRequestForDataModel, TIdType>

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\(Stream, string, DateTimeOffset?\)](#) ,
 [ControllerBase.File\(Stream, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
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 [ControllerBase.File\(string, string, string\)](#) , [ControllerBase.File\(string, string, string, bool\)](#) ,
 [ControllerBase.File\(string, string, DateTimeOffset?\)](#) ,
 [ControllerBase.File\(string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(string, string, string, DateTimeOffset?\)](#) ,
 [ControllerBase.File\(string, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(string, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
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 [ControllerBase.PhysicalFile\(string, string, string\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, string, bool\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, DateTimeOffset?\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, string, DateTimeOffset?\)](#) ,
 [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.Problem\(string, string, int?, string, string, IDictionary<string, object>\)](#) ,
 [ControllerBase.ValidationProblem\(ValidationProblemDetails\)](#) ,
 [ControllerBase.ValidationProblem\(ModelStateDictionary\)](#) , [ControllerBase.ValidationProblem\(\)](#) ,
 [ControllerBase.ValidationProblem\(string, string, int?, string, string, ModelStateDictionary\)](#) ,

[ControllerBase.ValidationProblem\(string, string, int?, string, string, ModelStateDictionary, IDictionary<string, object>\)](#) ,
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 [ControllerBase.CreatedAtAction\(string, object, object\)](#) ,
 [ControllerBase.CreatedAtAction\(string, string, object, object\)](#) ,
 [ControllerBase.CreatedAtRoute\(string, object\)](#) , [ControllerBase.CreatedAtRoute\(object, object\)](#) ,
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 [ControllerBase.Accepted\(string, object\)](#) , [ControllerBase.Accepted\(Uri, object\)](#) ,
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 [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\(\)](#) ,
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 [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

ReadOnlyCollectionController(TRequestHandler)

Abstract base class for read-only (GET) operations on data collections, utilizing a request handler to manage read operations.

```
public ReadOnlyCollectionController(TRequestHandler requestHandler)
```

Parameters

requestHandler TRequestHandler

Methods

GetAsync(TRequestForDataModel, CancellationToken)

GET request based on some request.

```
[HttpGet("items")]
public Task<ActionResult<PaginatedDataObj<TViewModel>>> GetAsync(TRequestForDataModel
request, CancellationToken cancellationToken = default)
```

Parameters

request TRequestForDataModel

Data filtration and pagination request object.

`cancellationToken` [CancellationToken](#)

Cancellation token.

Returns

[Task](#) <[ActionResult](#) <[PaginatedDataObj](#)<TViewModel>>>

Paginated data with appropriate HTTP status codes.

Class ReadOnlyController<TViewModel, TRequestHandler, TIdType>

Namespace: [Quickie.Apis.Readonly](#)

Assembly: Quickie.dll

Abstract base class for read-only (GETs) operations that utilize a request handler for managing read operations.

```
public class ReadOnlyController<TViewModel, TRequestHandler, TIdType> : QuickieBaseApi where
    TViewModel : ReadOnlyDto where TRequestHandler : IReadOnlyRequestHandler<TViewModel,
    TIdType> where TIdType : IComparable
```

Type Parameters

TViewModel

The type of the view model that represents the data transfer object.

TRequestHandler

The type of the request handler that processes the read-only operations.

TIdType

Type of identifier (string, int, double, Guid, ...).

Inheritance

[object](#) ↗ ← [ControllerBase](#) ↗ ← [QuickieBaseApi](#) ←

ReadOnlyController<TViewModel, TRequestHandler, TIdType>

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\(\)](#) ,
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 [ControllerBase.RedirectToAction\(string, string\)](#) ,
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 [ControllerBase.RedirectToAction\(string, string, object, string\)](#) ,
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 [ControllerBase.RedirectToPagePermanent\(string, string\)](#) ,
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 [ControllerBase.RedirectToPagePermanent\(string, string, object, string\)](#) ,
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 [ControllerBase.RedirectToPagePermanentPreserveMethod\(string, string, object, string\)](#) ,
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 [ControllerBase.NotFound\(object\)](#) , [ControllerBase.BadRequest\(\)](#) ,
 [ControllerBase.BadRequest\(object\)](#) , [ControllerBase.BadRequest\(ModelStateDictionary\)](#) ,
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 [ControllerBase.UnprocessableEntity\(ModelStateDictionary\)](#) , [ControllerBase.Conflict\(\)](#) ,
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 [ControllerBase.Problem\(string, string, int?, string, string, IDictionary<string, object>\)](#) ,
 [ControllerBase.ValidationProblem\(ValidationProblemDetails\)](#) ,
 [ControllerBase.ValidationProblem\(ModelStateDictionary\)](#) , [ControllerBase.ValidationProblem\(\)](#) ,
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 [ControllerBase.Forbid\(params string\[\]\)](#) , [ControllerBase.Forbid\(AuthenticationProperties\)](#) ,
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 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, Func<ModelMetadata, bool>\)](#) ,
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 [ControllerBase.Empty](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,
 [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) ,
 [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Constructors

ReadOnlyController(TRequestHandler)

Abstract base class for read-only (GETs) operations that utilize a request handler for managing read operations.

```
public ReadOnlyController(TRequestHandler requestHandler)
```

Parameters

requestHandler TRequestHandler

Methods

GetByIdAsync(TIdType, CancellationToken)

```
[HttpGet("{id}")]
public Task<ActionResult<ResponseObj<TViewModel>>> GetByIdAsync(TIdType id,
CancellationToken cancellationToken = default)
```

Parameters

id TIdType

cancellationToken [CancellationToken](#)

Returns

[Task](#) <[ActionResult](#) <[ResponseObj](#)<TViewModel>>>

Namespace Quickie.Apis.Writeonly

Classes

[WriteOnlyController<TViewModel, TRequestHandler>](#)

Class WriteOnlyController<TViewModel, TRequestHandler>

Namespace: [Quickie.Apis.Writeonly](#)

Assembly: Quickie.dll

```
public class WriteOnlyController<TViewModel, TRequestHandler> : QuickieBaseApi where
    TViewModel : WriteOnlyDto where TRequestHandler : IWriteOnlyRequestHandler<TViewModel>
```

Type Parameters

TViewModel

TRequestHandler

Inheritance

[object](#) ↗ ← [ControllerBase](#) ↗ ← [QuickieBaseApi](#) ← WriteOnlyController<TViewModel, TRequestHandler>

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\(\)](#) ↗ ,
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[ControllerBase.File\(string, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
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 [ControllerBase.ValidationProblem\(string, string, int?, string, string, ModelStateDictionary, IDictionary<string, object>\)](#) ,
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[ControllerBase.Forbid\(AuthenticationProperties, params string\[\]\)](#) ,
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 [ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties, string\)](#) , [ControllerBase.SignOut\(\)](#) ,
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 [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](#) ,
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 [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

WriteOnlyController(IWriteOnlyRequestHandler<TViewModel>)

```
public WriteOnlyController(IWriteOnlyRequestHandler<TViewModel> requestHandler)
```

Parameters

requestHandler [IWriteOnlyRequestHandler<TViewModel>](#)

Methods

CreateItemAsync(string?, TViewModel, CancellationToken)

Create a single item.

```
[HttpPost]  
public Task<ActionResult<ResponseObj<TViewModel>>> CreateItemAsync(string? idempotencyKey,  
TViewModel request, CancellationToken cancellationToken = default)
```

Parameters

idempotencyKey [string](#)

Idempotency key.

request TViewModel

Data to create

cancellationToken [CancellationToken](#)

Cancellation token

Returns

[Task](#) <[ActionResult](#) <[ResponseObj](#)<TViewModel>>>

Response indicating success or failure of the operation.

CreateItemsAsync(string?, ICollection<TViewModel>, CancellationToken)

Create multiple items in bulk.

```
[HttpPost("items")]  
public Task<ActionResult<ResponseObj<ICollection<TViewModel>>>> CreateItemsAsync(string?  
idempotencyKey, ICollection<TViewModel> requests, CancellationToken cancellationToken  
= default)
```

Parameters

idempotencyKey [string](#)

idempotency key

requests [ICollection](#)<TViewModel>

Requested data to create

cancellationToken [CancellationToken](#)

Cancellation token

Returns

[Task](#)<[ActionResult](#)<[ResponseObj](#)<[ICollection](#)<TViewModel>>>

Response indicating success or failure of the operation.

Namespace Quickie.Base

Classes

[QuickieBaseApi](#)

Ultimate base of quickie controllers (APIs)

Class QuickieBaseApi

Namespace: [Quickie.Base](#)

Assembly: Quickie.dll

Ultimate base of quickie controllers (APIs)

```
[EnableRateLimiting("Quickie-R1-Policy")]
[ApiController]
[Route("api/[controller]")]
[Produces("application/json", new string[] { })]
public abstract class QuickieBaseApi : ControllerBase
```

Inheritance

[object](#) ↗ ← [ControllerBase](#) ↗ ← QuickieBaseApi

Derived

[CrudController<TViewModel, TRequestHandler, TIdType>](#),
[CrudForCollectionController<TViewModel, TRequestHandler, TIdType>](#),
[EditOnlyController<TViewModel, TRequestHandler, TIdType>](#),
[ReadOnlyCollectionController<TViewModel, TRequestHandler, TRequestForDataModel, TIdType>](#),
[ReadOnlyController<TViewModel, TRequestHandler, TIdType>](#),
[WriteOnlyController<TViewModel, TRequestHandler>](#)

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\(string\)](#) ↗ ,
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[ControllerBase.RedirectPermanentPreserveMethod\(string\)](#) ↗ , [ControllerBase.LocalRedirect\(string\)](#) ↗ ,
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[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, 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\(Stream, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(Stream, string, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(Stream, string, string, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,

[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.Problem\(string, string, int?, string, string, IDictionary<string, object>\)](#) ,
 [ControllerBase.ValidationProblem\(ValidationProblemDetails\)](#) ,
 [ControllerBase.ValidationProblem\(ModelStateDictionary\)](#) , [ControllerBase.ValidationProblem\(\)](#) ,
 [ControllerBase.ValidationProblem\(string, string, int?, string, string, ModelStateDictionary\)](#) ,
 [ControllerBase.ValidationProblem\(string, string, int?, string, string, ModelStateDictionary, IDictionary<string, object>\)](#) ,
 [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.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\(\)](#)

Namespace Quickie.Configuration

Classes

[DependencyResolver](#)

Dependency resolver for data handlers.

[QuickieExtension](#)

Quickie extensions

[QuickieOptions](#)

Quickie options.

Class DependencyResolver

Namespace: [Quickie.Configuration](#)

Assembly: Quickie.dll

Dependency resolver for data handlers.

```
public static class DependencyResolver
```

Inheritance

[object](#) ← DependencyResolver

Inherited Members

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

Methods

AddDataHandlersDependency(IServiceCollection)

Add data handlers dependency.

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

Parameters

services [IServiceCollection](#)

Service collection

Returns

[IServiceCollection](#)

Class QuickieExtension

Namespace: [Quickie.Configuration](#)

Assembly: Quickie.dll

Quickie extensions

```
public static class QuickieExtension
```

Inheritance

[object](#) ← QuickieExtension

Inherited Members

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

Methods

AddQuickie(IApplicationBuilder)

Configures the application to use Quickie services and middleware based on provided options.

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

Parameters

app [IApplicationBuilder](#)

Application request pipeline builder.

Returns

[IApplicationBuilder](#)

IApplicationBuilder

QuickieConfig(IServiceCollection, Action<QuickieOptions>?)

Registers Quickie services in the DI container, including all custom services.

```
public static IServiceCollection QuickieConfig(this IServiceCollection services,  
Action<QuickieOptions>? configureOptions = null)
```

Parameters

`services` [IServiceCollection](#)

DI register and resolver.

`configureOptions` [Action](#)<[QuickieOptions](#)>

Delegate to configure quickie option.

Returns

[IServiceCollection](#)

IServiceCollection

Class QuickieOptions

Namespace: [Quickie.Configuration](#)

Assembly: Quickie.dll

Quickie options.

```
public class QuickieOptions
```

Inheritance

[object](#) ← QuickieOptions

Inherited Members

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

Properties

IdempotencyConfiguration

Idempotency configuration

```
public IdempotentConfiguration? IdempotencyConfiguration { get; set; }
```

Property Value

[IdempotentConfiguration](#)

RateLimitingConfiguration

Rate limit configuration

```
public RateLimitConfiguration? RateLimitingConfiguration { get; set; }
```

Property Value

ShowCustomErrorMessage

Instead of exception message, `ResponseObj` will be returning custom message.

```
public bool ShowCustomErrorMessage { get; set; }
```

Property Value

[bool](#)

Namespace Quickie.Configuration.Idempotency

Classes

[IdempotencyBackgroundService](#)

Background service to remove expired idempotency key.

[IdempotentConfiguration](#)

Interfaces

[IIdempotencyProvider](#)

Idempotency provider contract

Interface IIdempotencyProvider

Namespace: [Quickie.Configuration.Idempotency](#)

Assembly: Quickie.dll

Idempotency provider contract

```
public interface IIdempotencyProvider
```

Methods

ExistsAsync(string)

Check if the **key** is already used.

```
ValueTask<bool> ExistsAsync(string key)
```

Parameters

key [string](#)

Unique key

Returns

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

whether the key is used or not.

MarkAsync(string)

Add and mark **key** as used.

```
ValueTask MarkAsync(string key)
```

Parameters

key [string](#)

Unique key

Returns

[ValueTask](#)

a Task

RemoveExpiredKeys()

Remove idempotency keys.

[ValueTask](#) **RemoveExpiredKeys()**

Returns

[ValueTask](#)

Class IdempotencyBackgroundService

Namespace: [Quickie.Configuration.Idempotency](#)

Assembly: Quickie.dll

Background service to remove expired idempotency key.

```
public class IdempotencyBackgroundService : BackgroundService, IHostedService, IDisposable
```

Inheritance

[object](#) ← [BackgroundService](#) ← IdempotencyBackgroundService

Implements

[IHostedService](#), [IDisposable](#)

Inherited Members

[BackgroundService.Dispose\(\)](#), [BackgroundService.StartAsync\(CancellationToken\)](#),
[BackgroundService.StopAsync\(CancellationToken\)](#), [BackgroundService.ExecuteTask](#),
[object.Equals\(object\)](#), [object.Equals\(object, object\)](#), [object.GetHashCode\(\)](#), [object.GetType\(\)](#),
[object.MemberwiseClone\(\)](#), [object.ReferenceEquals\(object, object\)](#), [object.ToString\(\)](#)

Constructors

IdempotencyBackgroundService(IIdempotencyProvider)

Background service to remove expired idempotency key.

```
public IdempotencyBackgroundService(IIdempotencyProvider idempotencyProvider)
```

Parameters

idempotencyProvider [IIdempotencyProvider](#)

Methods

ExecuteAsync(CancellationToken)

This method is called when the [IHostedService](#) starts. The implementation should return a task that represents the lifetime of the long running operation(s) being performed.

```
protected override Task ExecuteAsync(CancellationToken stoppingToken)
```

Parameters

stoppingToken [CancellationToken](#)

Triggered when [StopAsync\(CancellationToken\)](#) is called.

Returns

[Task](#)

A [Task](#) that represents the long running operations.

Remarks

See [Worker Services in .NET](#) for implementation guidelines.

Class IdempotentConfiguration

Namespace: [Quickie.Configuration.Idempotency](#)

Assembly: Quickie.dll

```
public class IdempotentConfiguration
```

Inheritance

[object](#) ← IdempotentConfiguration

Inherited Members

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

Properties

Enable

Enable idempotency. By default, idempotency is [false](#)

```
public bool Enable { get; set; }
```

Property Value

[bool](#)

IdempotencyLifespan

Lifespan of keys. By default, its 1 hour

```
public TimeSpan IdempotencyLifespan { get; set; }
```

Property Value

[TimeSpan](#)

Provider

Your custom idempotency provider

```
public IIDemotencyProvider? Provider { get; set; }
```

Property Value

[IIdemotencyProvider](#)

RunBackgroundServiceEveryHour

Run background service every x hour? By default, 1 hour

```
[Range(0, 24)]  
public int RunBackgroundServiceEveryHour { get; set; }
```

Property Value

[int](#)

Namespace Quickie.Configuration.Idempotency.DefaultProvider

Classes

[InMemoryIdempotencyProvider](#)

Default InMemory idempotency provider

Class InMemoryIdempotencyProvider

Namespace: [Quickie.Configuration.Idempotency.DefaultProvider](#)

Assembly: Quickie.dll

Default InMemory idempotency provider

```
public class InMemoryIdempotencyProvider : IIdempotencyProvider
```

Inheritance

[object](#) ← InMemoryIdempotencyProvider

Implements

[IIdempotencyProvider](#)

Inherited Members

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

Methods

ExistsAsync(string)

Asynchronous method synchronous operation(check in dictionary).

```
public ValueTask<bool> ExistsAsync(string key)
```

Parameters

key [string](#)

Key

Returns

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

bool

MarkAsync(string)

Asynchronous method synchronous operation (add in dictionary).

```
public ValueTask MarkAsync(string key)
```

Parameters

key [string](#)

Returns

[ValueTask](#)

RemoveExpiredKeys()

Remove expired api idempotency keys

```
public ValueTask RemoveExpiredKeys()
```

Returns

[ValueTask](#)

Namespace Quickie.Configuration.Middleware Classes

[IdempotencyMiddleware](#)

Idempotency implementer middleware

Class IdempotencyMiddleware

Namespace: [Quickie.Configuration.Middleware](#)

Assembly: Quickie.dll

Idempotency implementer middleware

```
public class IdempotencyMiddleware
```

Inheritance

[object](#) ← IdempotencyMiddleware

Inherited Members

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

Constructors

IdempotencyMiddleware(IIdempotencyProvider,
RequestDelegate)

Idempotency implementer middleware

```
public IdempotencyMiddleware(IIdempotencyProvider idempotencyProvider, RequestDelegate next)
```

Parameters

idempotencyProvider [IIdempotencyProvider](#)

Idempotency provider

next [RequestDelegate](#)

Methods

InvokeAsync(HttpContext)

```
public Task InvokeAsync(HttpContext context)
```

Parameters

context [HttpContext](#)

Returns

[Task](#)

Namespace Quickie.Configuration.Options

Classes

[GlobalQuickieConfigData](#)

Global configuration for Quickie library. Must be initialized once during application startup before any Quickie features are used.

[RateLimitConfiguration](#)

Rate limit configuration. (ip based)

Class GlobalQuickieConfigData

Namespace: [Quickie.Configuration.Options](#)

Assembly: Quickie.dll

Global configuration for Quickie library. Must be initialized once during application startup before any Quickie features are used.

```
public static class GlobalQuickieConfigData
```

Inheritance

[object](#) ← GlobalQuickieConfigData

Inherited Members

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

Properties

Options

Configured Quickie options.

```
public static QuickieOptions Options { get; }
```

Property Value

[QuickieOptions](#)

Exceptions

[InvalidOperationException](#)

Methods

Initialize(QuickieOptions)

Initializes Quickie configuration. This method must be called once during application startup.

```
public static void Initialize(QuickieOptions options)
```

Parameters

options [QuickieOptions](#)

Configuration options

Exceptions

[ArgumentNullException](#)

Class RateLimitConfiguration

Namespace: [Quickie.Configuration.Options](#)

Assembly: Quickie.dll

Rate limit configuration. (ip based)

```
public class RateLimitConfiguration
```

Inheritance

[object](#) ← RateLimitConfiguration

Inherited Members

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

Properties

DisableRateLimiting

Disable rate limiting. By default, rate limiting is [true](#).

```
public bool DisableRateLimiting { get; set; }
```

Property Value

[bool](#)

FromSeconds

Duration (seconds) to block. Default is: 6

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

Property Value

[int](#)?

PermitLimit

Number of request. Default is: 1 request every 'FromSeconds'

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

Property Value

[int](#)?

PolicyName

Name of rate limit policy. Default is "Quickie-Rl-Policy"

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

Property Value

[string](#)?

Namespace Quickie.DataHandlers.Crud. Definition

Interfaces

[ICrudDataHandler< TEntity, TIdType >](#)

[ICrudForCollectionDataHandler< TEntity, TIdType >](#)

Interface ICrudDataHandler< TEntity, TIdType >

Namespace: [Quickie.DataHandlers.Crud.Definition](#)

Assembly: Quickie.dll

```
public interface ICrudDataHandler< TEntity, in TIdType > where TEntity : CrudEntity where  
TIdType : IComparable
```

Type Parameters

TEntity

TIdType

Methods

CreateAsync(TEntity, CancellationToken?)

```
Task<ResponseObj< TEntity >> CreateAsync(TEntity request, CancellationToken?  
cancellationToken)
```

Parameters

request TEntity

cancellationToken [CancellationToken](#)?

Returns

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

DeleteAsync(TIdType, CancellationToken?)

```
Task<ResponseObj> DeleteAsync(TIdType id, CancellationToken? cancellationToken = null)
```

Parameters

id TIdType

cancellationToken [CancellationToken](#)?

Returns

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

GetByIdAsync(TIdType, CancellationToken?)

```
Task<ResponseObj< TEntity>> GetByIdAsync(TIdType id, CancellationToken? cancellationToken  
= null)
```

Parameters

id TIdType

cancellationToken [CancellationToken](#)?

Returns

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

UpdateAsync(TIdType, TEntity, CancellationToken?)

```
Task<ResponseObj< TEntity>> UpdateAsync(TIdType id, TEntity request, CancellationToken?  
cancellationToken = null)
```

Parameters

id TIdType

request TEntity

cancellationToken [CancellationToken](#)?

Returns

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

Interface

ICrudForCollectionDataHandler< TEntity, TIdType >

Namespace: [Quickie.DataHandlers.Crud.Definition](#)

Assembly: Quickie.dll

```
public interface ICrudForCollectionDataHandler< TEntity, TIdType > where TEntity : CrudEntity  
where TIdType : IComparable
```

Type Parameters

TEntity

TIdType

Methods

CountAsync(CancellationToken?)

```
Task<ResponseObj<int>> CountAsync(CancellationToken? cancellationToken = null)
```

Parameters

cancellationToken [CancellationToken](#)?

Returns

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

CreateRangeAsync(IICollection< TEntity >, CancellationToken?)

```
Task<ResponseObj<IICollection< TEntity >>> CreateRangeAsync(IICollection< TEntity > entities,  
CancellationToken? cancellationToken = null)
```

Parameters

`entities ICollection< TEntity >`

`cancellationToken CancellationToken?`

Returns

`Task<ResponseObj<ICollection< TEntity >>>`

DeleteRangeAsync(ICollection< TIdType >, CancellationToken?)

```
Task<ResponseObj> DeleteRangeAsync(ICollection< TIdType > ids, CancellationToken?  
cancellationToken = null)
```

Parameters

`ids ICollection< TIdType >`

`cancellationToken CancellationToken?`

Returns

`Task<ResponseObj>`

GetAllAsync(RequestForDataObj, CancellationToken?)

```
Task<ResponseObj< PaginatedDataObj< TEntity >>> GetAllAsync(RequestForDataObj request,  
cancellationToken? cancellationToken = null)
```

Parameters

`request RequestForDataObj`

`cancellationToken CancellationToken?`

Returns

`Task<ResponseObj<PaginatedDataObj< TEntity >>>`

UpdateRangeAsync(IICollection< TEntity >, CancellationToken?)

```
Task<ResponseObj<IICollection< TEntity >>> UpdateRangeAsync(IICollection< TEntity > entities,  
CancellationToken? cancellationToken = null)
```

Parameters

entities [IICollection](#)< TEntity >

cancellationToken [CancellationToken](#)?

Returns

[Task](#)<[ResponseObj](#)<[IICollection](#)< TEntity >>>

Namespace Quickie.DataHandlers.Crud.

Implementation

Classes

[CrudDataHandler< TEntity, TDbContext, TIdType >](#)

Abstract class serving as CRUD data handler (Repository layer).

[CrudForCollectionDataHandler< TEntity, TIdType, TDbContext >](#)

Abstract class serving as CRUD for collection request handler.

Class CrudDataHandler< TEntity, TDbContext, TIdType >

Namespace: [Quickie.DataHandlers.Crud.Implementation](#)

Assembly: Quickie.dll

Abstract class serving as CRUD data handler (Repository layer).

```
public abstract class CrudDataHandler< TEntity, TDbContext, TIdType > :  
    ICrudDataHandler< TEntity, TIdType > where TEntity : CrudEntity where TDbContext : DbContext  
    where TIdType : IComparable
```

Type Parameters

TEntity

Entity

TDbContext

Db context

TIdType

Type of identifier. eg: int, string, ...

Inheritance

[object](#) ← CrudDataHandler< TEntity, TDbContext, TIdType >

Implements

[ICrudDataHandler](#)< TEntity, TIdType >

Inherited Members

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

Constructors

CrudDataHandler(TDbContext)

Abstract class serving as CRUD data handler (Repository layer).

```
protected CrudDataHandler(TDbContext dbContext)
```

Parameters

dbContext TDbContext

Db context

Methods

CreateAsync(TEntity, CancellationToken?)

Data create request.

```
public Task<ResponseObj< TEntity>> CreateAsync(TEntity request, CancellationToken?  
cancellationToken = null)
```

Parameters

request TEntity

Data requested to create.

cancellationToken [CancellationToken](#)?

Cancellation token

Returns

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

DeleteAsync(TIdType, CancellationToken?)

Delete request.

```
public Task<ResponseObj> DeleteAsync(TIdType id, CancellationToken? cancellationToken
```

```
= null)
```

Parameters

id TIdType

Identifier of the data to remove

cancellationToken [CancellationToken](#)?

Cancellation token

Returns

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

GetByIdAsync(TIdType, CancellationToken?)

Get data by providing an identifier

```
public Task<ResponseObj< TEntity>> GetByIdAsync(TIdType id, CancellationToken?  
cancellationToken = null)
```

Parameters

id TIdType

Identifier

cancellationToken [CancellationToken](#)?

Cancellation token

Returns

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

UpdateAsync(TIdType, TEntity, CancellationToken?)

Update request.

```
public Task<ResponseObj< TEntity>> UpdateAsync(TIdType id, TEntity request,  
CancellationToken? cancellationToken = null)
```

Parameters

id TIdType

Identifier

request TEntity

Requested data identifier.

cancellationToken [CancellationToken](#)?

Cancellation token

Returns

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

Class

CrudForCollectionDataHandler< TEntity, TIdType, TDbContext >

Namespace: [Quickie.DataHandlers.Crud.Implementation](#)

Assembly: Quickie.dll

Abstract class serving as CRUD for collection request handler.

```
public abstract class CrudForCollectionDataHandler< TEntity, TIdType, TDbContext > :  
    ICrudForCollectionDataHandler< TEntity, TIdType > where TEntity : CrudEntity where TIdType :  
    IComparable where TDbContext : DbContext
```

Type Parameters

TEntity

Entity

TIdType

Type of identifier. eg: int, string, ...

TDbContext

Db context

Inheritance

[object](#) ← CrudForCollectionDataHandler< TEntity, TIdType, TDbContext >

Implements

[ICrudForCollectionDataHandler](#)< TEntity, TIdType >

Inherited Members

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

Constructors

CrudForCollectionDataHandler(TDbContext)

Abstract class serving as CRUD for collection request handler.

```
protected CrudForCollectionDataHandler(TDbContext dbContext)
```

Parameters

`dbContext` TDbContext

Db context

Methods

CountAsync(CancellationToken?)

Count.

```
public Task<ResponseObj<int>> CountAsync(CancellationToken? cancellationToken = null)
```

Parameters

`cancellationToken` [CancellationToken](#)?

Cancellation token

Returns

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

CreateRangeAsync(ICollection< TEntity >, CancellationToken?)

Data create request.

```
public Task<ResponseObj<ICollection< TEntity >>> CreateRangeAsync(ICollection< TEntity > entities, CancellationToken? cancellationToken = null)
```

Parameters

`entities` [ICollection](#)< TEntity >

Collection of data requested to create.

`cancellationToken` [CancellationToken](#)?

Cancellation token

Returns

[Task](#)<[ResponseObj](#)<[ICollection](#)< TEntity >>>

DeleteRangeAsync(ICollection< TIdType >, CancellationToken?)

Delete request.

```
public Task<ResponseObj> DeleteRangeAsync(ICollection<TIdType> ids, CancellationToken?  
cancellationToken = null)
```

Parameters

`ids` [ICollection](#)< TIdType >

Identifiers of the data to remove.

`cancellationToken` [CancellationToken](#)?

Cancellation token

Returns

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

GetAllAsync(RequestForDataObj, CancellationToken?)

Get data.

```
public Task<ResponseObj<PaginatedDataObj< TEntity >>> GetAllAsync(RequestForDataObj request,  
cancellationToken? cancellationToken = null)
```

Parameters

`request` [RequestForDataObj](#)

Data request filter

`cancellationToken` [CancellationToken](#)?

Cancellation token

Returns

[Task](#) <[ResponseObj](#)<[PaginatedDataObj](#)< TEntity >>>

UpdateRangeAsync(IICollection< TEntity >, CancellationToken?)

Update request.

```
public Task<ResponseObj<IICollection< TEntity >>> UpdateRangeAsync(IICollection< TEntity > entities, CancellationToken? cancellationToken = null)
```

Parameters

`entities` [IICollection](#)< TEntity >

Requested collection data

`cancellationToken` [CancellationToken](#)?

Cancellation token

Returns

[Task](#) <[ResponseObj](#)<[IICollection](#)< TEntity >>>

Namespace Quickie.DataHandlers.Editonly. Definition

Interfaces

[IEditOnlyDataHandler< TEntity, TIdType >](#)

Defines operations to update entities

Interface IEditOnlyDataHandler< TEntity, TIdType >

Namespace: [Quickie.DataHandlers.Editonly.Definition](#)

Assembly: Quickie.dll

Defines operations to update entities

```
public interface IEditOnlyDataHandler< TEntity, in TIdType> where TEntity : EditOnlyEntity  
where TIdType : IComparable
```

Type Parameters

TEntity

Data to update.

TIdType

Type of id (int, Guid, string, ...)

Methods

EditAsync(TIdType, TEntity, CancellationToken?)

Update single data.

```
Task<ResponseObj< TEntity>> EditAsync(TIdType id, TEntity requestModel,  
CancellationToken? cancellationToken)
```

Parameters

id TIdType

Identifier.

requestModel TEntity

Data to be updated.

`cancellationToken` [CancellationToken](#)?

Cancellation token.

Returns

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

EditCollectionAsync(ICollection<TEntity>, CancellationToken?)

Update collection of data (bulk update).

```
Task<ResponseObj<ICollection<TEntity>>> EditCollectionAsync(ICollection<TEntity>
requestModels, CancellationToken? cancellationToken)
```

Parameters

`requestModels` [ICollection](#)<TEntity>

Collection of entity.

`cancellationToken` [CancellationToken](#)?

Cancellation token.

Returns

[Task](#) <[ResponseObj](#)<[ICollection](#)<TEntity>>>

Namespace Quickie.DataHandlers.Editonly. Implementation

Classes

[EditOnlyDataHandler< TEntity, TIdType >](#)

Abstract class serving as edit only data handler (Repository layer).

Class EditOnlyDataHandler<TEntity, TIdType>

Namespace: [Quickie.DataHandlers.Editonly.Implementation](#)

Assembly: Quickie.dll

Abstract class serving as edit only data handler (Repository layer).

```
public abstract class EditOnlyDataHandler<TEntity, TIdType> : IEditOnlyDataHandler<TEntity, TIdType> where TEntity : EditOnlyEntity where TIdType : IComparable
```

Type Parameters

TEntity

Entity

TIdType

Type of identifier. eg: int, string, ...

Inheritance

[object](#) ← EditOnlyDataHandler<TEntity, TIdType>

Implements

[IEditOnlyDataHandler](#)<TEntity, TIdType>

Inherited Members

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

Constructors

EditOnlyDataHandler(DbContext)

Abstract class serving as edit only data handler (Repository layer).

```
protected EditOnlyDataHandler(DbContext dbContext)
```

Parameters

dbContext [DbContext](#)

Db context

Methods

EditAsync(TIdType, TEntity, CancellationToken?)

Update request.

```
public Task<ResponseObj<TEntity>> EditAsync(TIdType id, TEntity requestModel,  
CancellationToken? cancellationToken = null)
```

Parameters

id TIdType

Identifier of the entity

requestModel TEntity

Requested data to update

cancellationToken [CancellationToken](#)?

Cancellation token

Returns

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

EditCollectionAsync(ICollection<TEntity>, CancellationToken?)

Update collection of data.

```
public Task<ResponseObj<ICollection<TEntity>>> EditCollectionAsync(ICollection<TEntity>  
requestModels, CancellationToken? cancellationToken = null)
```

Parameters

`requestModels` [ICollection](#)< TEntity >

Collection of requested data to update

`cancellationToken` [CancellationToken](#)?

Cancellation token

Returns

[Task](#)<[ResponseObj](#)<[ICollection](#)< TEntity >>>

Namespace Quickie.DataHandlers.ReadOnly. Definition

Interfaces

[IReadOnlyCollectionDataHandler< TEntity, TIdType >](#)

Defines read-only data access operations for collections of entities. Provides methods to retrieve data with optional filtering and pagination.

[IReadOnlyDataHandler< TEntity, TIdType >](#)

Read-only data handler (Repository).

Interface

IReadOnlyCollectionDataHandler< TEntity, TIdType >

Namespace: [Quickie.DataHandlers.Readonly.Definition](#)

Assembly: Quickie.dll

Defines read-only data access operations for collections of entities. Provides methods to retrieve data with optional filtering and pagination.

```
public interface IReadOnlyCollectionDataHandler< TEntity, in TIdType > where TEntity :  
    IReadOnlyEntity where TIdType : IComparable
```

Type Parameters

TEntity

The type of entity to do read-only operations.

TIdType

Type of id (int, Guid, string, ...)

Methods

GetByFilterAsync< TRequestModel >(Expression< Func< TEntity, bool > >?, TRequestModel?, bool?, CancellationToken?)

Get a paginated collection of entities that match the specified filter.

```
Task< PaginatedDataObj< TEntity > > GetByFilterAsync< TRequestModel >(Expression< Func< TEntity,  
    bool > >? filter, TRequestModel? request, bool? track = false, CancellationToken?  
    cancellationToken = null) where TRequestModel : RequestForDataObj
```

Parameters

filter [Expression< Func< TEntity, bool > >](#)

A predicate function to define your condition.

request TRequestModel

The pagination request object.

track [bool](#)?

A flag indicating whether to track changes for the retrieved entities. Set to [false](#) to disable change tracking for read-only queries. Default is [false](#).

cancellationToken [CancellationToken](#)?

Cancellation token.

Returns

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

Paginated data.

Type Parameters

TRequestModel

Interface IReadOnlyDataHandler< TEntity, TIdType >

Namespace: [Quickie.DataHandlers.Readonly.Definition](#)

Assembly: Quickie.dll

Read-only data handler (Repository).

```
public interface IReadOnlyDataHandler< TEntity, in TIdType> where TEntity : ReadOnlyEntity
```

Type Parameters

TEntity

Entity

TIdType

Type of id (int, Guid, string, ...)

Methods

GetByIdAsync(TIdType, CancellationToken?)

Get data by id. (ID must be primary key or composite key.)

```
Task< TEntity?> GetByIdAsync(TIdType id, CancellationToken? cancellationToken = null)
```

Parameters

id TIdType

Unique identifier.

cancellationToken [CancellationToken](#)?

Cancellation token.

Returns

[Task](#) < TEntity >

Entity object.

Namespace Quickie.DataHandlers.Readonly. Implementation

Classes

[ReadOnlyCollectionDataHandler< TEntity, TDbContext, TIdType >](#)

Abstract class serving as read only (collection) data handler (Repository layer).

[ReadOnlyDataHandler< TEntity, TDbContext, TIdType >](#)

Abstract base class for handling read-only data requests.

Class ReadOnlyCollectionDataHandler< TEntity, TDbContext, TIdType >

Namespace: [Quickie.DataHandlers.ReadOnly.Implementation](#)

Assembly: Quickie.dll

Abstract class serving as read only (collection) data handler (Repository layer).

```
public abstract class ReadOnlyCollectionDataHandler< TEntity, TDbContext, TIdType > :  
    IReadOnlyCollectionDataHandler< TEntity, TIdType > where TEntity : ReadOnlyEntity where  
    TDbContext : DbContext where TIdType : IComparable
```

Type Parameters

TEntity

Entity

TDbContext

Db Context

TIdType

Type of identifier. eg: int, string, ...

Inheritance

[object](#) ← ReadOnlyCollectionDataHandler< TEntity, TDbContext, TIdType >

Implements

[IReadOnlyCollectionDataHandler](#)< TEntity, TIdType >

Inherited Members

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

Constructors

ReadOnlyCollectionDataHandler(DbContext)

Abstract class serving as read only (collection) data handler (Repository layer).

```
protected ReadOnlyCollectionDataHandler(DbContext context)
```

Parameters

context [DbContext](#)

Db Context

Methods

GetByFilterAsync<TRequestModel>(Expression<Func< TEntity, bool>>?, TRequestModel?, bool?, CancellationToken?)

Get filtered collection of data.

```
public Task<PaginatedDataObj< TEntity>> GetByFilterAsync<TRequestModel>(Expression<Func< TEntity, bool>>? filter, TRequestModel? request, bool? track = false, CancellationToken? cancellationToken = null) where TRequestModel : RequestForDataObj
```

Parameters

filter [Expression](#)<[Func](#)< TEntity, [bool](#)>>

Data request filter

request TRequestModel

Data request filter

track [bool](#)?

Track entity? Default is false

cancellationToken [CancellationToken](#)?

Cancellation token

Returns

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

Type Parameters

TRequestModel

Type of data request filter

Class ReadOnlyDataHandler< TEntity, TDbContext, TIdType >

Namespace: [Quickie.DataHandlers.ReadOnly.Implementation](#)

Assembly: Quickie.dll

Abstract base class for handling read-only data requests.

```
public abstract class ReadOnlyDataHandler< TEntity, TDbContext, TIdType > :  
    IReadOnlyDataHandler< TEntity, TIdType > where TEntity : ReadOnlyEntity where TDbContext :  
        DbContext where TIdType : IComparable
```

Type Parameters

TEntity

Entity

TDbContext

Db context

TIdType

Type of identifier. eg: int, string, ...

Inheritance

[object](#) ← ReadOnlyDataHandler< TEntity, TDbContext, TIdType >

Implements

[IReadOnlyDataHandler](#)< TEntity, TIdType >

Inherited Members

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

Constructors

ReadOnlyDataHandler(DbContext)

Abstract base class for handling read-only data requests.

```
protected ReadOnlyDataHandler(DbContext context)
```

Parameters

context [DbContext](#)

Db context

Methods

GetByIdAsync(TIdType, CancellationToken?)

Get data by id.

```
public Task< TEntity?> GetByIdAsync(TIdType id, CancellationToken? cancellationToken = null)
```

Parameters

id TIdType

Identifier (unique key identifying your entity)

cancellationToken [CancellationToken](#)?

Cancellation token

Returns

[Task](#) < TEntity >

Namespace Quickie.DataHandlers.Writeonly. Definition

Interfaces

[IWriteOnlyDataHandler< TEntity >](#)

Interface IWriteOnlyDataHandler< TEntity >

Namespace: [Quickie.DataHandlers.Writeonly.Definition](#)

Assembly: Quickie.dll

```
public interface IWriteOnlyDataHandler< TEntity > where TEntity : WriteOnlyEntity
```

Type Parameters

TEntity

Methods

CreateItemAsync(TEntity, CancellationToken?)

```
Task<ResponseObj< TEntity >> CreateItemAsync(TEntity item, CancellationToken? cancellationToken)
```

Parameters

item TEntity

cancellationToken [CancellationToken](#)?

Returns

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

CreateItemsAsync(ICollection< TEntity >, CancellationToken?)

```
Task<ResponseObj< ICollection< TEntity >>> CreateItemsAsync(ICollection< TEntity > items, CancellationToken? cancellationToken)
```

Parameters

`items` [ICollection](#)< TEntity >

`cancellationToken` [CancellationToken](#)?

Returns

[Task](#)<[ResponseObj](#)<[ICollection](#)< TEntity >>>

Namespace Quickie.DataHandlers.Writeonly. Implementation

Classes

[WriteOnlyDataHandler< TEntity, TDbContext >](#)

Abstract class serving as write only data handler (Repository layer).

Class WriteOnlyDataHandler< TEntity, TDbContext >

Namespace: [Quickie.DataHandlers.Writeonly.Implementation](#)

Assembly: Quickie.dll

Abstract class serving as write only data handler (Repository layer).

```
public abstract class WriteOnlyDataHandler< TEntity, TDbContext > :  
    IWriteOnlyDataHandler< TEntity > where TEntity : WriteOnlyEntity where TDbContext : DbContext
```

Type Parameters

TEntity

Entity

TDbContext

Db context

Inheritance

[object](#) ↗ ← WriteOnlyDataHandler< TEntity, TDbContext >

Implements

[IWriteOnlyDataHandler](#)< TEntity >

Inherited Members

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

Constructors

WriteOnlyDataHandler(TDbContext)

Abstract class serving as write only data handler (Repository layer).

```
protected WriteOnlyDataHandler(TDbContext dbContext)
```

Parameters

dbContext TDbContext

Db context

Methods

CreateItemAsync(TEntity, CancellationToken?)

Data create request.

```
public Task<ResponseObj<TEntity>> CreateItemAsync(TEntity item, CancellationToken?  
cancellationToken = null)
```

Parameters

item TEntity

Data requested to create

cancellationToken [CancellationToken](#)?

Cancellation token

Returns

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

CreateItemsAsync(ICollection<TEntity>, CancellationToken?)

Collection of data create request.

```
public Task<ResponseObj<ICollection<TEntity>>> CreateItemsAsync(ICollection<TEntity> items,  
cancellationToken? cancellationToken = null)
```

Parameters

items [ICollection](#)<TEntity>

Collection of data requested to create

cancellationToken [CancellationToken](#)?

Cancellation token

Returns

[Task](#) <[ResponseObj](#)<[ICollection](#) < TEntity >>>

Namespace Quickie.DataObj

Classes

[DetailedResponseObj](#)

Represents a detailed response object used to return results from an operation.

[PaginatedDataObj<TObject>](#)

Represents an object for paginated data and its metadata.

[RequestForDataObj](#)

Represents a request for data with pagination.

[ResponseObj](#)

Represents a basic response object that contains information about the success of an operation.

[ResponseObj<TData>](#)

Represents a response object that contains the result of an operation along with the data.

Class DetailedResponseObj

Namespace: [Quickie.DataObj](#)

Assembly: Quickie.dll

Represents a detailed response object used to return results from an operation.

```
public class DetailedResponseObj
```

Inheritance

[object](#) ← DetailedResponseObj

Inherited Members

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

Properties

Description

Detailed description that explains the response such as troubleshooting information or guidance.

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

Property Value

[string](#)

ErrorStatus

Status of the error or response, indicating the severity of the result.

```
public ErrorStatusEnum ErrorStatus { get; set; }
```

Property Value

Message

Short message that provides high-level information about the response. Can be used like "title" of your detailed error description.

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

Property Value

[string](#) ↗

Show

Value indicating whether to show the response.

```
public bool Show { get; set; }
```

Property Value

[bool](#) ↗

Class PaginatedDataObj<TObject>

Namespace: [Quickie.DataObj](#)

Assembly: Quickie.dll

Represents an object for paginated data and its metadata.

```
public class PaginatedDataObj<TObject> where TObject : class
```

Type Parameters

TObject

Inheritance

[object](#) ← PaginatedDataObj<TObject>

Inherited Members

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

Properties

Items

Collection of data

```
public IEnumerable<TObject> Items { get; set; }
```

Property Value

[IEnumerable](#)<TObject>

Total

Total no. of data.

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

Property Value

[int ↗](#)

Class RequestForDataObj

Namespace: [Quickie.DataObj](#)

Assembly: Quickie.dll

Represents a request for data with pagination.

```
public class RequestForDataObj
```

Inheritance

[object](#) ← RequestForDataObj

Inherited Members

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

Properties

PageNumber

The page number to retrieve. Default is [1](#).

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

Property Value

[int](#)

PageSize

The number of items to retrieve per page. Default is [10](#).

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

Property Value

Class ResponseObj

Namespace: [Quickie.DataObj](#)

Assembly: Quickie.dll

Represents a basic response object that contains information about the success of an operation.

```
public class ResponseObj
```

Inheritance

[object](#) ← ResponseObj

Inherited Members

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

Properties

IsSuccess

Value indicating whether the operation was successful. "true" meaning operation has succeeded and "false" meaning operation has failed.

```
public bool IsSuccess { get; set; }
```

Property Value

[bool](#)

Message

Message providing additional information about the operation's result.

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

Property Value

[string ↗](#)

Class ResponseObj<TData>

Namespace: [Quickie.DataObj](#)

Assembly: Quickie.dll

Represents a response object that contains the result of an operation along with the data.

```
public class ResponseObj<TData>
```

Type Parameters

TData

Data.

Inheritance

[object](#) ← ResponseObj<TData>

Inherited Members

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

Properties

Data

Data returned as a result of the operation.

```
public TData Data { get; set; }
```

Property Value

TData

IsSuccess

Value indicating whether the operation was successful. "true" meaning operation has succeeded and "false" meaning operation has failed.

```
public bool IsSuccess { get; set; }
```

Property Value

[bool](#)

Message

Message providing additional information about the operation's result.

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

Property Value

[string](#)

Namespace Quickie.Handlers.Crud.Definition

Interfaces

[ICrudForCollectionRequestHandler<TViewModel, TIdType>](#)

[ICrudRequestHandler<TViewModel, TIdType>](#)

Abstract base class for CRUD operation. Contains method to: Create, Update, Read (GET), and Delete.

Interface

ICrudForCollectionRequestHandler<TViewModel, TIdType>

Namespace: [Quickie.Handlers.Crud.Definition](#)

Assembly: Quickie.dll

```
public interface ICrudForCollectionRequestHandler<TViewModel, TIdType> where TViewModel :  
    CrudDto where TIdType : IComparable
```

Type Parameters

TViewModel

TIdType

Methods

CountAsync(CancellationToken?)

```
Task<ResponseObj<int>> CountAsync(CancellationToken? cancellationToken = null)
```

Parameters

cancellationToken [CancellationToken](#)?

Returns

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

CreateRangeAsync(ICollection<TViewModel>, CancellationToken?)

```
Task<ResponseObj<ICollection<TViewModel>>> CreateRangeAsync(ICollection<TViewModel>  
entities, CancellationToken? cancellationToken = null)
```

Parameters

entities [ICollection](#)<TViewModel>

cancellationToken [CancellationToken](#)?

Returns

[Task](#)<[ResponseObj](#)<[ICollection](#)<TViewModel>>>

DeleteRangeAsync(ICollection<TIdType>, CancellationToken?)

```
Task<ResponseObj> DeleteRangeAsync(ICollection<TIdType> ids, CancellationToken?  
cancellationToken = null)
```

Parameters

ids [ICollection](#)<TIdType>

cancellationToken [CancellationToken](#)?

Returns

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

GetAllAsync(RequestForDataObj, CancellationToken?)

```
Task<ResponseObj<PaginatedDataObj<TViewModel>>> GetAllAsync(RequestForDataObj request,  
cancellationToken? cancellationToken = null)
```

Parameters

request [RequestForDataObj](#)

cancellationToken [CancellationToken](#)?

Returns

[Task](#) <[ResponseObj](#)<[PaginatedDataObj](#)<TViewModel>>>

UpdateRangeAsync(IICollection<TViewModel>, CancellationToken?)

```
Task<ResponseObj<ICollection<TViewModel>>> UpdateRangeAsync(ICollection<TViewModel> entities, CancellationToken? cancellationToken = null)
```

Parameters

entities [ICollection](#)<TViewModel>

cancellationToken [CancellationToken](#)?

Returns

[Task](#) <[ResponseObj](#)<[ICollection](#)<TViewModel>>>

Interface ICrudRequestHandler<TViewModel, TIdType>

Namespace: [Quickie.Handlers.Crud.Definition](#)

Assembly: Quickie.dll

Abstract base class for CRUD operation. Contains method to: Create, Update, Read (GET), and Delete.

```
public interface ICrudRequestHandler<TViewModel, in TIdType> where TViewModel : CrudDto  
where TIdType : IComparable
```

Type Parameters

TViewModel

TIdType

Type of the identifier used in methods (string, int, Guid, ...)

Methods

CreateAsync(TViewModel, CancellationToken?)

Create data.

```
Task<ResponseObj<TViewModel>> CreateAsync(TViewModel request,  
CancellationToken? cancellationToken)
```

Parameters

request TViewModel

Requested data to be created.

cancellationToken [CancellationToken](#)?

Cancellation token

Returns

[Task](#) <[ResponseObj](#)<TViewModel>>

Response object.

DeleteAsync(TIdType, CancellationToken?)

Removes data.

`Task<ResponseObj> DeleteAsync(TIdType id, CancellationToken? cancellationToken = null)`

Parameters

id TIdType

Identifier of data to be removed

cancellationToken [CancellationToken](#)?

Cancellation token

Returns

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

Response object

GetByIdAsync(TIdType, CancellationToken?)

Get data by id (unique identifier, a pk).

`Task<ResponseObj<TViewModel>> GetByIdAsync(TIdType id, CancellationToken? cancellationToken = null)`

Parameters

id TIdType

Identifier

cancellationToken [CancellationToken](#)?

Cancellation token

Returns

[Task](#) <[ResponseObj](#)<TViewModel>>

Response object with data.

UpdateAsync(TIdType, TViewModel, CancellationToken?)

Update requested data.

```
Task<ResponseObj<TViewModel>> UpdateAsync(TIdType id, TViewModel request, CancellationToken?  
cancellationToken = null)
```

Parameters

id TIdType

Data identifier to update.

request TViewModel

Data requested to be updated.

cancellationToken [CancellationToken](#)?

Cancellation token

Returns

[Task](#) <[ResponseObj](#)<TViewModel>>

Response object with updated data.

Namespace Quickie.Handlers.Crud.

Implementation

Classes

[CrudForCollectionRequestHandler<TViewModel, TEntity, TDataHandler, TIdType>](#)

Abstract class serving as CRUD for collection request handler.

[CrudRequestHandler<TViewModel, TEntity, TDataHandler, TIdType>](#)

Abstract class serving as CRUD request handler.

Class

CrudForCollectionRequestHandler<TViewModel, TEntity, TDataHandler, TIdType>

Namespace: [Quickie.Handlers.Crud.Implementation](#)

Assembly: Quickie.dll

Abstract class serving as CRUD for collection request handler.

```
public abstract class CrudForCollectionRequestHandler<TViewModel, TEntity, TDataHandler,
TIdType> : ICrudForCollectionRequestHandler<TViewModel, TIdType> where TViewModel : CrudDto
where TEntity : CrudEntity where TDataHandler : ICrudForCollectionDataHandler< TEntity,
TIdType> where TIdType : IComparable
```

Type Parameters

TViewModel

View model or dto

TEntity

Entity

TDataHandler

Data handler (repository layer)

TIdType

Type of identifier. eg: int, string, ...

Inheritance

[object](#) ↗ ← CrudForCollectionRequestHandler<TViewModel, TEntity, TDataHandler, TIdType>

Implements

[ICrudForCollectionRequestHandler<TViewModel, TIdType>](#)

Inherited Members

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

Constructors

CrudForCollectionRequestHandler(TDataHandler)

Abstract class serving as CRUD for collection request handler.

```
protected CrudForCollectionRequestHandler(TDataHandler dataHandler)
```

Parameters

dataHandler TDataHandler

Data

Methods

CountAsync(CancellationToken?)

Count.

```
public Task<ResponseObj<int>> CountAsync(CancellationToken? cancellationToken = null)
```

Parameters

cancellationToken [CancellationToken](#)?

Cancellation token

Returns

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

CreateRangeAsync(ICollection<TViewModel>, CancellationToken?)

Data create request.

```
public Task<ResponseObj<ICollection<TViewModel>>> CreateRangeAsync(ICollection<TViewModel> entities, CancellationToken? cancellationToken = null)
```

Parameters

entities [ICollection](#)<TViewModel>

Collection of data requested to create.

cancellationToken [CancellationToken](#)?

Cancellation token

Returns

[Task](#)<[ResponseObj](#)<[ICollection](#)<TViewModel>>>

DeleteRangeAsync(ICollection<TIdType>, CancellationToken?)

Delete request.

```
public Task<ResponseObj> DeleteRangeAsync(ICollection<TIdType> ids, CancellationToken? cancellationToken = null)
```

Parameters

ids [ICollection](#)<TIdType>

Identifiers of the data to remove.

cancellationToken [CancellationToken](#)?

Cancellation token

Returns

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

GetAllAsync(RequestForDataObj, CancellationToken?)

Get data.

```
public Task<ResponseObj<PaginatedDataObj<TViewModel>>> GetAllAsync(RequestForDataObj  
request, CancellationToken? cancellationToken = null)
```

Parameters

request [RequestForDataObj](#)

Data request filter

cancellationToken [CancellationToken](#)?

Cancellation token

Returns

[Task](#) <[ResponseObj](#)<[PaginatedDataObj](#)<TViewModel>>>

MapToCollectionOfDto(ICollection< TEntity >)

Maps a collection of [TEntity](#) to a collection of [TViewModel](#) dto.

```
protected abstract ICollection<TViewModel> MapToCollectionOfDto(ICollection< TEntity > entity)
```

Parameters

entity [ICollection](#)< TEntity >

Returns

[ICollection](#)< TViewModel >

MapToCollectionOfEntity(ICollection< TViewModel >)

Maps a collection of [TViewModel](#) to a collection of [TEntity](#) entity.

```
protected abstract ICollection< TEntity > MapToCollectionOfEntity(ICollection< TViewModel >
```

```
entity)
```

Parameters

entity [ICollection](#)<TViewModel>

Returns

[ICollection](#)< TEntity >

UpdateRangeAsync(ICollection<TViewModel>, CancellationToken?)

Update request.

```
public Task<ResponseObj<ICollection<TViewModel>>> UpdateRangeAsync(ICollection<TViewModel> entities, CancellationToken? cancellationToken = null)
```

Parameters

entities [ICollection](#)<TViewModel>

Requested collection data

cancellationToken [CancellationToken](#)?

Cancellation token

Returns

[Task](#)<[ResponseObj](#)<[ICollection](#)<TViewModel>>>

Class CrudRequestHandler<TViewModel, TEntity, TDataHandler, TIdType>

Namespace: [Quickie.Handlers.Crud.Implementation](#)

Assembly: Quickie.dll

Abstract class serving as CRUD request handler.

```
public abstract class CrudRequestHandler<TViewModel, TEntity, TDataHandler, TIdType>
: ICrudRequestHandler<TViewModel, TIdType> where TViewModel : CrudDto where TEntity
: CrudEntity where TDataHandler : ICrudDataHandler<
```

Type Parameters

TViewModel

View model or dto

TEntity

Entity

TDataHandler

Data handler (repository layer)

TIdType

Type of identifier. eg: int, string, ...

Inheritance

[object](#) ← CrudRequestHandler<TViewModel, TEntity, TDataHandler, TIdType>

Implements

[ICrudRequestHandler](#)<TViewModel, TIdType>

Inherited Members

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

Constructors

CrudRequestHandler(ICrudDataHandler< TEntity, TIdType >)

Abstract class serving as CRUD request handler.

```
protected CrudRequestHandler(ICrudDataHandler< TEntity, TIdType > dataHandler)
```

Parameters

dataHandler [ICrudDataHandler](#)< TEntity, TIdType >

Data handler (repository layer)

Methods

CreateAsync(TViewModel, CancellationToken?)

Data create request.

```
public Task<ResponseObj< TViewModel >> CreateAsync(TViewModel request, CancellationToken? cancellationToken = null)
```

Parameters

request TViewModel

Data requested to create.

cancellationToken [CancellationToken](#)?

Cancellation token

Returns

[Task](#)<[ResponseObj](#)< TViewModel >>

DeleteAsync(TIdType, CancellationToken?)

Delete request.

```
public Task<ResponseObj> DeleteAsync(TIdType id, CancellationToken? cancellationToken = null)
```

Parameters

id TIdType

Identifier of the data to remove.

cancellationToken [CancellationToken](#)?

Cancellation token

Returns

[Task](#) <ResponseObj>

Exceptions

[ArgumentException](#)

GetByIdAsync(TIdType, CancellationToken?)

Get data by providing an identifier

```
public Task<ResponseObj<TViewModel>> GetByIdAsync(TIdType id, CancellationToken? cancellationToken = null)
```

Parameters

id TIdType

Identifier

cancellationToken [CancellationToken](#)?

Cancellation token

Returns

[Task](#) <[ResponseObj](#)<TViewModel>>

Exceptions

[ArgumentException](#)

MapToDto(TEntity)

Maps a **TEntity** to a **TViewModel** dto.

```
protected abstract TViewModel MapToDto(TEntity request)
```

Parameters

request TEntity

Entity

Returns

TViewModel

Dto

MapToEntity(TViewModel)

Maps a **TViewModel** to a **TEntity** entity.

```
protected abstract TEntity MapToEntity(TViewModel request)
```

Parameters

request TViewModel

Dto

Returns

TEntity

Entity

UpdateAsync(TIdType, TViewModel, CancellationToken?)

Update request.

```
public Task<ResponseObj<TViewModel>> UpdateAsync(TIdType id, TViewModel request,  
CancellationToken? cancellationToken = null)
```

Parameters

id TIdType

Requested data identifier.

request TViewModel

Requested data

cancellationToken [CancellationToken](#)?

Cancellation token

Returns

[Task](#) <[ResponseObj](#)<TViewModel>>

Namespace Quickie.Handlers.Editonly. Definition

Interfaces

[IEditOnlyRequestHandler<TViewModel, TIdType>](#)

Abstract base class for handling update requests, processing operations for the specified view model type.

Interface

IEditOnlyRequestHandler<TViewModel, TIdType>

Namespace: [Quickie.Handlers.Editonly.Definition](#)

Assembly: Quickie.dll

Abstract base class for handling update requests, processing operations for the specified view model type.

```
public interface IEditOnlyRequestHandler<TViewModel, in TIdType> where TViewModel :  
EditOnlyDto where TIdType : IComparable
```

Type Parameters

TViewModel

The type of the view model that represents the data transfer object to be updated.

TIdType

Type of id (int, string, guid, ...)

Methods

EditAsync(TIdType, TViewModel, CancellationToken?)

Update single entity.

```
Task<ResponseObj<TViewModel>> EditAsync(TIdType id, TViewModel requestModel,  
CancellationToken? cancellationToken)
```

Parameters

id TIdType

Identifier of the entity.

requestModel TViewModel

Data to be updated.

cancellationToken [CancellationToken](#)?

Cancellation token

Returns

[Task](#) <[ResponseObj](#)<TViewModel>>

EditCollectionAsync(ICollection<TViewModel>, CancellationToken?)

Update collection of entity. (Bulk)

```
Task<ResponseObj<ICollection<TViewModel>>> EditCollectionAsync(ICollection<TViewModel> requestModels, CancellationToken? cancellationToken)
```

Parameters

requestModels [ICollection](#)<TViewModel>

Bulk data to be updated.

cancellationToken [CancellationToken](#)?

Cancellation token.

Returns

[Task](#) <[ResponseObj](#)<[ICollection](#)<TViewModel>>>

Namespace Quickie.Handlers.Editonly. Implementation

Classes

[EditOnlyRequestHandler<TViewModel, TEntity, TDataHandler, TIdType>](#)

Abstract class serving as edit only request handler.

Class EditOnlyRequestHandler<TViewModel, TEntity, TDataHandler, TIdType>

Namespace: [Quickie.Handlers.Editonly.Implementation](#)

Assembly: Quickie.dll

Abstract class serving as edit only request handler.

```
public abstract class EditOnlyRequestHandler<TViewModel, TEntity, TDataHandler, TIdType> :  
    IEditOnlyRequestHandler<TViewModel, TIdType> where TViewModel : EditOnlyDto where TEntity  
    : EditOnlyEntity where TDataHandler : IEditOnlyDataHandler<    : IComparable
```

Type Parameters

TViewModel

View model or dto

TEntity

Entity

TDataHandler

Data handler (Repository layer)

TIdType

Type of identifier. eg: int, string, ...

Inheritance

[object](#) ← EditOnlyRequestHandler<TViewModel, TEntity, TDataHandler, TIdType>

Implements

[IEditOnlyRequestHandler](#)<TViewModel, TIdType>

Inherited Members

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

Constructors

EditOnlyRequestHandler(IEditOnlyDataHandler< TEntity, TIdType >)

Abstract class serving as edit only request handler.

```
protected EditOnlyRequestHandler(IEditOnlyDataHandler< TEntity, TIdType > dataHandler)
```

Parameters

dataHandler [IEditOnlyDataHandler](#)< TEntity, TIdType >

Data handler (Repository layer)

Methods

EditAsync(TIdType, TVViewModel, CancellationToken?)

Update request.

```
public Task< ResponseObj< TVViewModel > > EditAsync(TIdType id, TVViewModel requestModel,  
CancellationToken? cancellationToken = null)
```

Parameters

id TIdType

Identifier of the entity.

requestModel TVViewModel

Requested data to update

cancellationToken [CancellationToken](#)?

Cancellation token

Returns

[Task](#) <[ResponseObj](#)<TViewModel>>

EditCollectionAsync(ICollection<TViewModel>, CancellationToken?)

Update collection of data.

```
public Task<ResponseObj<ICollection<TViewModel>>>
EditCollectionAsync(ICollection<TViewModel> requestModels, CancellationToken?
cancellationToken = null)
```

Parameters

requestModels [ICollection](#)<TViewModel>

Collection of requested data to update

cancellationToken [CancellationToken](#)?

Cancellation token

Returns

[Task](#) <[ResponseObj](#)<[ICollection](#)<TViewModel>>>

MapToCollectionOfDto(ICollection< TEntity >)

Maps a collection of **TEntity** entities to a collection of **TViewModel** view models.

```
protected abstract ICollection<TViewModel> MapToCollectionOfDto(ICollection< TEntity >
entities)
```

Parameters

entities [ICollection](#)< TEntity >

Collection of entity.

Returns

[ICollection](#) <TViewModel>

Collection of view model/dto.

MapToCollectionOfEntity(ICollection<TViewModel>)

Maps a collection of `TViewModel` to a collection of `TEntity` entities.

```
protected abstract ICollection< TEntity > MapToCollectionOfEntity(ICollection< TViewModel >
requestModels)
```

Parameters

`requestModels` [ICollection](#) <TViewModel>

Collection of view model/dto

Returns

[ICollection](#) <TEntity>

Collection of entity.

MapToDto(TEntity)

Maps a `TEntity` entity to a `TViewModel` view model/dto.

```
protected abstract TViewModel MapToDto(TEntity entity)
```

Parameters

`entity` TEntity

Entity.

Returns

TViewModel

View model/dto.

MapToEntity(TViewModel)

Maps a **TViewModel** to a **TEntity** entity.

```
protected abstract TEntity MapToEntity(TViewModel requestModel)
```

Parameters

requestModel TViewModel

The view model/dto to map to an entity

Returns

TEntity

Entity.

Namespace Quickie.Handlers.ReadOnly. Definition

Interfaces

[IReadOnlyCollectionRequestHandler<TViewModel, TIdType>](#)

Abstract base class for handling collections of read-only requests, processing operations for the specified view model type.

[IReadOnlyRequestHandler<TViewModel, TIdType>](#)

Abstract base class for handling read-only requests, processing operations for the specified view model type.

Interface

IReadOnlyCollectionRequestHandler<TViewModel, TIdType>

Namespace: [Quickie.Handlers.Readonly.Definition](#)

Assembly: Quickie.dll

Abstract base class for handling collections of read-only requests, processing operations for the specified view model type.

```
public interface IReadOnlyCollectionRequestHandler<TViewModel, in TIdType> where TViewModel : ReadOnlyDto where TIdType : IComparable
```

Type Parameters

TViewModel

The type of the view model that represents the data transfer object for read-only operations.

TIdType

Type of id (int, Guid, string, ...)

Methods

GetAsync<TRequestModel>(TRequestModel?, CancellationToken?)

Get collection of data by provided request model.

```
Task<PaginatedDataObj<TViewModel>> GetAsync<TRequestModel>(TRequestModel? request, CancellationToken? cancellationToken) where TRequestModel : RequestForDataObj
```

Parameters

request TRequestModel

Data request model of type RequestForDataDto.

cancellationToken [CancellationToken](#)?

Cancellation token.

Returns

[Task](#) <[PaginatedDataObj](#)<TViewModel>>

Collection of data wrapped by response dto.

Type Parameters

TRequestModel

Interface

IReadOnlyRequestHandler<TViewModel, TIdType>

Namespace: [Quickie.Handlers.Readonly.Definition](#)

Assembly: Quickie.dll

Abstract base class for handling read-only requests, processing operations for the specified view model type.

```
public interface IReadOnlyRequestHandler<TViewModel, in TIdType> where TViewModel :  
    ReadOnlyDto where TIdType : IComparable
```

Type Parameters

TViewModel

The type of the view model that represents the data transfer object for read-only operations.

TIdType

Type of id (int, Guid, string, ...)

Methods

GetByIdAsync(TIdType, CancellationToken?)

Get exact data (single) by id.

```
Task<ResponseObj<TViewModel>> GetByIdAsync(TIdType id, CancellationToken? cancellationToken)
```

Parameters

id TIdType

Identifier of data.

cancellationToken [CancellationToken](#)?

Cancellation token.

Returns

[Task](#) ↗ <[ResponseObj](#)<TViewModel>>

Single data wrapped by response dto.

Namespace Quickie.Handlers.ReadOnly. Implementation

Classes

[ReadOnlyCollectionRequestHandler<TViewModel, TEntity, TDataHandler, TIdType>](#)

Abstract class serving as read only (collection) request handler.

[ReadOnlyRequestHandler<TViewModel, TEntity, TDataHandler, TIdType>](#)

Abstract base class for handling read-only requests, processing operations for the specified view model type.

Class

ReadOnlyCollectionRequestHandler<TViewModel, TEntity, TDataHandler, TIdType>

Namespace: [Quickie.Handlers.Readonly.Implementation](#)

Assembly: Quickie.dll

Abstract class serving as read only (collection) request handler.

```
public abstract class ReadOnlyCollectionRequestHandler<TViewModel, TEntity, TDataHandler,
TIdType> : IReadOnlyCollectionRequestHandler<TViewModel, TIdType> where TViewModel :
ReadonlyDto where TEntity : ReadonlyEntity where TDataHandler :
IReadOnlyCollectionDataHandler<TEntity, TIdType> where TIdType : IComparable
```

Type Parameters

TViewModel

View model or dto

TEntity

Entity

TDataHandler

Data handler (Repository layer)

TIdType

Type of identifier. eg: int, string, ...

Inheritance

[object](#) ← ReadOnlyCollectionRequestHandler<TViewModel, TEntity, TDataHandler, TIdType>

Implements

[IReadOnlyCollectionRequestHandler](#)<TViewModel, TIdType>

Inherited Members

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

Constructors

ReadOnlyCollectionRequestHandler(IReadOnlyCollectionDataHandler<TEntity, TIdType>)

Abstract class serving as read only (collection) request handler.

```
protected ReadOnlyCollectionRequestHandler(IReadOnlyCollectionDataHandler<TEntity,
TIdType> readOnlyCollectionDataHandler)
```

Parameters

readOnlyCollectionDataHandler [IReadOnlyCollectionDataHandler<TEntity, TIdType>](#)

Data handler (Repository layer)

Methods

GetAsync<TRequestModel>(TRequestModel?, CancellationToken?)

Get data.

```
public Task<PaginatedDataObj<TViewModel>> GetAsync<TRequestModel>(TRequestModel? request,
CancellationToken? cancellationToken = null) where TRequestModel : RequestForDataObj
```

Parameters

request TRequestModel

Data request filter

cancellationToken [CancellationToken](#)?

Cancellation token

Returns

[Task](#)<[PaginatedDataObj](#)<TViewModel>>

Type Parameters

TRequestModel

Type of data request filter

MapToDto(ICollection< TEntity >)

Mapping profile. Map from collection of Entity type to your collection of data transfer object.

```
protected abstract ICollection<TViewModel> MapToDto(ICollection< TEntity > entity)
```

Parameters

entity [ICollection](#)< TEntity >

Collection of entity object.

Returns

[ICollection](#)< TViewModel >

Mapped from collection of Entity, a collection data transfer object.

Class ReadOnlyRequestHandler<TViewModel, TEntity, TDataHandler, TIdType>

Namespace: [Quickie.Handlers.ReadOnly.Implementation](#)

Assembly: Quickie.dll

Abstract base class for handling read-only requests, processing operations for the specified view model type.

```
public abstract class ReadOnlyRequestHandler<TViewModel, TEntity, TDataHandler, TIdType> :  
    IReadOnlyRequestHandler<TViewModel, TIdType> where TViewModel : ReadOnlyDto where TEntity  
    : ReadOnlyEntity where TDataHandler : IReadOnlyDataHandler< TEntity, TIdType> where TIdType  
    : IComparable
```

Type Parameters

TViewModel

The type of the view model that represents the data transfer object for read-only operations.

TEntity

Entity.

TDataHandler

Data handler (Repository)

TIdType

Type of identifier. eg: int, string, ...

Inheritance

[object](#) ← ReadOnlyRequestHandler<TViewModel, TEntity, TDataHandler, TIdType>

Implements

[IReadOnlyRequestHandler<TViewModel, TIdType>](#)

Inherited Members

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

Constructors

ReadOnlyRequestHandler(IReadOnlyDataHandler< TEntity, TIdType >)

Abstract base class for handling read-only requests, processing operations for the specified view model type.

```
protected ReadOnlyRequestHandler(IReadOnlyDataHandler< TEntity, TIdType > dataHandler)
```

Parameters

dataHandler [IReadOnlyDataHandler< TEntity, TIdType >](#)

Methods

GetByIdAsync(TIdType, CancellationToken?)

Get data by id.

```
public Task<ResponseObj< TViewModel >> GetByIdAsync(TIdType id, CancellationToken? cancellationToken = null)
```

Parameters

id TIdType

Identifier (unique key identifying your entity)

cancellationToken [CancellationToken](#)?

Cancellation token

Returns

[Task](#) < [ResponseObj](#) < TViewModel > >

Exceptions

MapToDto(TEntity)

Mapping profile. Map from Entity type to your data transfer object.

```
protected abstract TViewModel MapToDto(TEntity entity)
```

Parameters

entity TEntity

Entity object.

Returns

TViewModel

Mapped from Entity, a data transfer object.

Namespace Quickie.Handlers.Writeonly. Definition

Interfaces

[IWriteOnlyRequestHandler<TViewModel>](#)

Interface

IWriteOnlyRequestHandler<TViewModel>

Namespace: [Quickie.Handlers.Writeonly.Definition](#)

Assembly: Quickie.dll

```
public interface IWriteOnlyRequestHandler<TViewModel> where TViewModel : WriteOnlyDto
```

Type Parameters

TViewModel

Methods

CreateItemAsync(TViewModel, CancellationToken?)

```
Task<ResponseObj<TViewModel>> CreateItemAsync(TViewModel item,  
CancellationToken? cancellationToken)
```

Parameters

item TViewModel

cancellationToken [CancellationToken](#)?

Returns

[Task](#) < [ResponseObj](#)<TViewModel>>

CreateItemsAsync(ICollection<TViewModel>, CancellationToken?)

```
Task<ResponseObj<ICollection<TViewModel>>> CreateItemsAsync(ICollection<TViewModel> items,  
CancellationToken? cancellationToken)
```

Parameters

items [ICollection](#)<TViewModel>

cancellationToken [CancellationToken](#)?

Returns

[Task](#)<[ResponseObj](#)<[ICollection](#)<TViewModel>>>

Namespace Quickie.Handlers.Writeonly. Implementation

Classes

[WriteOnlyRequestHandler<TViewModel, TEntity, TDataHandler>](#)

Abstract class serving as write only request handler.

Class WriteOnlyRequestHandler<TViewModel, TEntity, TDataHandler>

Namespace: [Quickie.Handlers.Writeonly.Implementation](#)

Assembly: Quickie.dll

Abstract class serving as write only request handler.

```
public abstract class WriteOnlyRequestHandler<TViewModel, TEntity, TDataHandler> :  
    IWriteOnlyRequestHandler<TViewModel> where TViewModel : WriteOnlyDto where TEntity :  
    WriteOnlyEntity where TDataHandler : IWriteOnlyDataHandler<
```

Type Parameters

TViewModel

TEntity

TDataHandler

Inheritance

[object](#) ← WriteOnlyRequestHandler<TViewModel, TEntity, TDataHandler>

Implements

[IWriteOnlyRequestHandler<TViewModel>](#)

Inherited Members

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

Constructors

WriteOnlyRequestHandler(IWriteOnlyDataHandler<TEntity>)

Abstract class serving as write only request handler.

```
protected WriteOnlyRequestHandler(IWriteOnlyDataHandler< TEntity > dataHandler)
```

Parameters

`dataHandler` [IWriteOnlyDataHandler](#)<TEntity>

Methods

CreateItemAsync(TViewModel, CancellationToken?)

Data create request.

```
public Task<ResponseObj<TViewModel>> CreateItemAsync(TViewModel item,  
CancellationToken? cancellationToken)
```

Parameters

`item` TViewModel

Data requested to create.

`cancellationToken` [CancellationToken](#)?

Cancellation token

Returns

[Task](#) <[ResponseObj](#)<TViewModel>>

CreateItemsAsync(ICollection<TViewModel>, CancellationToken?)

Data create request.

```
public Task<ResponseObj<ICollection<TViewModel>>> CreateItemsAsync(ICollection<TViewModel>  
items, CancellationToken? cancellationToken)
```

Parameters

`items` [ICollection](#)<TViewModel>

Collection of data requested to create.

`cancellationToken` [CancellationToken](#)?

Cancellation token

Returns

[Task](#) <[ResponseObj](#)<[ICollection](#) <TViewModel>>>

MapToCollectionOfDto(ICollection< TEntity >)

Maps a collection of `TEntity` entities to a collection of `TViemodel` view models.

```
protected abstract ICollection<TViemodel> MapToCollectionOfDto(ICollection< TEntity > entities)
```

Parameters

`entities` [ICollection](#) < TEntity >

Collection of entity.

Returns

[ICollection](#) < TViemodel >

Collection of view model/dto.

MapToCollectionOfEntity(ICollection< TViemodel >)

Maps a collection of `TViemodel` to a collection of `TEntity` entities.

```
protected abstract ICollection< TEntity > MapToCollectionOfEntity(ICollection< TViemodel > requestModels)
```

Parameters

`requestModels` [ICollection](#) < TViemodel >

Collection of view model/dto

Returns

[ICollection](#) <TEntity>

Collection of entity.

MapToDto(TEntity)

Maps a **TEntity** entity to a **TViewModel** view model/dto.

```
protected abstract TViewModel MapToDto(TEntity entity)
```

Parameters

entity TEntity

Entity.

Returns

TViewModel

View model/dto.

MapToEntity(TViewModel)

Maps a **TViewModel** to a **TEntity** entity.

```
protected abstract TEntity MapToEntity(TViewModel requestModel)
```

Parameters

requestModel TViewModel

The view model/dto to map to an entity

Returns

TEntity

Entity.

Namespace Quickie.Types

Enums

[ErrorStatusEnum](#)

Status representing the different severity levels of an error or message.

Enum ErrorStatusEnum

Namespace: [Quickie.Types](#)

Assembly: Quickie.dll

Status representing the different severity levels of an error or message.

```
public enum ErrorStatusEnum
```

Fields

Critical = 2

Represents critical errors that require immediate attention. These typically indicate a failure or something that must be fixed for the application to function properly.

Info = 0

Represents informational messages that do not indicate any issues. These are typically non-critical and meant for logging or user information.

Warning = 1

Represents warning messages that indicate potential issues. These require attention but do not block the operation or indicate a failure.

Namespace Quickie.Types.Crud

Classes

[CrudDto](#)

Dto representing CRUD operation

[CrudEntity](#)

Entity representing CRUD operation

Class CrudDto

Namespace: [Quickie.Types.Crud](#)

Assembly: Quickie.dll

Dto representing CRUD operation

```
public abstract record CrudDto : IEquatable<CrudDto>
```

Inheritance

[object](#) ← CrudDto

Implements

[IEquatable](#) <[CrudDto](#)>

Inherited Members

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

Constructors

CrudDto()

Dto representing CRUD operation

```
protected CrudDto()
```

Class CrudEntity

Namespace: [Quickie.Types.Crud](#)

Assembly: Quickie.dll

Entity representing CRUD operation

```
public abstract class CrudEntity
```

Inheritance

[object](#) ← CrudEntity

Inherited Members

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

Namespace Quickie.Types.Editonly

Classes

[EditOnlyDto](#)

Dto representing EDIT only operation

[EditOnlyEntity](#)

Entity representing EDIT only operation

Class EditOnlyDto

Namespace: [Quickie.Types.Editonly](#)

Assembly: Quickie.dll

Dto representing EDIT only operation

```
public abstract record EditOnlyDto : IEquatable<EditOnlyDto>
```

Inheritance

[object](#) ← EditOnlyDto

Implements

[IEquatable](#) <[EditOnlyDto](#)>

Inherited Members

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

Constructors

EditOnlyDto()

Dto representing EDIT only operation

```
protected EditOnlyDto()
```

Class EditOnlyEntity

Namespace: [Quickie.Types.Editonly](#)

Assembly: Quickie.dll

Entity representing EDIT only operation

```
public abstract class EditOnlyEntity
```

Inheritance

[object](#) ← EditOnlyEntity

Inherited Members

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

Constructors

EditOnlyEntity()

Entity representing EDIT only operation

```
protected EditOnlyEntity()
```

Namespace Quickie.Types.Readonly

Classes

[ReadOnlyDto](#)

Dto representing READ only operation

[ReadOnlyEntity](#)

Entity representing READ only operation

Class ReadOnlyDto

Namespace: [Quickie.Types.Readonly](#)

Assembly: Quickie.dll

Dto representing READ only operation

```
public abstract record ReadOnlyDto : IEquatable<ReadOnlyDto>
```

Inheritance

[object](#) ← ReadOnlyDto

Implements

[IEquatable](#)<[ReadOnlyDto](#)>

Inherited Members

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

Constructors

ReadOnlyDto()

Dto representing READ only operation

```
protected ReadOnlyDto()
```

Class ReadOnlyEntity

Namespace: [Quickie.Types.Readonly](#)

Assembly: Quickie.dll

Entity representing READ only operation

```
public abstract class ReadOnlyEntity
```

Inheritance

[object](#) ← ReadOnlyEntity

Inherited Members

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

Namespace Quickie.Types.Writable

Classes

[WriteOnlyDto](#)

Dto representing WRITE only operation

[WriteOnlyEntity](#)

Entity representing WRITE only operation

Class WriteOnlyDto

Namespace: [Quickie.Types.Writable](#)

Assembly: Quickie.dll

Dto representing WRITE only operation

```
public record WriteOnlyDto : IEquatable<WriteOnlyDto>
```

Inheritance

[object](#) ← WriteOnlyDto

Implements

[IEquatable](#) <[WriteOnlyDto](#)>

Inherited Members

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

Constructors

WriteOnlyDto()

Dto representing WRITE only operation

```
public WriteOnlyDto()
```

Class WriteOnlyEntity

Namespace: [Quickie.Types.Writable](#)

Assembly: Quickie.dll

Entity representing WRITE only operation

```
public abstract class WriteOnlyEntity
```

Inheritance

[object](#) ← WriteOnlyEntity

Inherited Members

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