

Namespace Recycle.Api

Classes

[Program](#)

[Startup](#)

Class Program

Namespace: [Recycle.Api](#)

Assembly: Recycle.Api.dll

```
public class Program
```

Inheritance

[object](#) ← Program

Inherited Members

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

Methods

Main(string[])

```
public static Task Main(string[] args)
```

Parameters

args [string](#)[]

Returns

[Task](#)

Class Startup

Namespace: [Recycle.Api](#)

Assembly: Recycle.Api.dll

```
public class Startup
```

Inheritance

[object](#) ← Startup

Inherited Members

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

Constructors

Startup(IConfiguration)

```
public Startup(IConfiguration configuration)
```

Parameters

configuration [IConfiguration](#)

Methods

ConfigureServices(IServiceCollection)

```
public void ConfigureServices(IServiceCollection services)
```

Parameters

services [IServiceCollection](#)

Namespace Recycle.Api.BackgroundServices

Classes

[EmailSenderBackgroundService](#)

Class EmailSenderBackgroundService

Namespace: [Recycle.Api.BackgroundServices](#)

Assembly: Recycle.Api.dll

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

Inheritance

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

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

EmailSenderBackgroundService(IServiceProvider)

```
public EmailSenderBackgroundService(IServiceProvider serviceProvider)
```

Parameters

serviceProvider [IServiceProvider](#)

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.

Namespace Recycle.Api.Controllers

Classes

[ArticleController](#)

[AuthController](#)

[LocationController](#)

[MaterialController](#)

[PartController](#)

[ProductController](#)

[TrashCanController](#)

Class ArticleController

Namespace: [Recycle.Api.Controllers](#)

Assembly: Recycle.Api.dll

```
[ApiController]  
public class ArticleController : ControllerBase
```

Inheritance

[object](#) ← [ControllerBase](#) ← ArticleController

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\(string, object\)](#) ,
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[ControllerBase.RedirectToActionPermanent\(string, string, object\)](#) ,
[ControllerBase.RedirectToActionPermanent\(string, string, object, string\)](#) ,
[ControllerBase.RedirectToActionPermanentPreserveMethod\(string, string, object, string\)](#) ,
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[ControllerBase.RedirectToRoute\(string, object, string\)](#) ,
[ControllerBase.RedirectToRoutePreserveMethod\(string, object, string\)](#) ,
[ControllerBase.RedirectToRoutePermanent\(string\)](#) ,

[ControllerBase.RedirectToRoutePermanent\(object\)](#) ,
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 [ControllerBase.RedirectToRoutePermanentPreserveMethod\(string, object, string\)](#) ,
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 [ControllerBase.RedirectToPage\(string, string, object, string\)](#) ,
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 [ControllerBase.RedirectToPagePermanent\(string, object\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, string\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, string, string\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, string, object, string\)](#) ,
 [ControllerBase.RedirectToPagePreserveMethod\(string, string, object, string\)](#) ,
 [ControllerBase.RedirectToPagePermanentPreserveMethod\(string, string, object, string\)](#) ,
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 [ControllerBase.File\(byte\[\], string, string\)](#) , [ControllerBase.File\(byte\[\], string, string, bool\)](#) ,
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 [ControllerBase.File\(byte\[\], string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
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 [ControllerBase.File\(byte\[\], string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
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 [ControllerBase.File\(Stream, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
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 [ControllerBase.File\(string, string, DateTimeOffset?\)](#) ,
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 [ControllerBase.File\(string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [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.PhysicalFile\(string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
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 [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.ValidationProblem\(ValidationProblemDetails\)](#) ,
 [ControllerBase.ValidationProblem\(ModelStateDictionary\)](#) , [ControllerBase.ValidationProblem\(\)](#) ,
 [ControllerBase.ValidationProblem\(string, string, int?, string, string, ModelStateDictionary\)](#) ,
 [ControllerBase.Created\(\)](#) , [ControllerBase.Created\(string, object\)](#) ,
 [ControllerBase.Created\(Uri, object\)](#) , [ControllerBase.CreatedAtAction\(string, object\)](#) ,
 [ControllerBase.CreatedAtAction\(string, object, object\)](#) ,
 [ControllerBase.CreatedAtAction\(string, string, object, object\)](#) ,
 [ControllerBase.CreatedAtRoute\(string, object\)](#) , [ControllerBase.CreatedAtRoute\(object, object\)](#) ,
 [ControllerBase.CreatedAtRoute\(string, object, object\)](#) , [ControllerBase.Accepted\(\)](#) ,
 [ControllerBase.Accepted\(object\)](#) , [ControllerBase.Accepted\(Uri\)](#) , [ControllerBase.Accepted\(string\)](#) ,
 [ControllerBase.Accepted\(string, object\)](#) , [ControllerBase.Accepted\(Uri, object\)](#) ,
 [ControllerBase.AcceptedAtAction\(string\)](#) , [ControllerBase.AcceptedAtAction\(string, string\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, object\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, string, object\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, object, object\)](#) ,
 [ControllerBase.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

ArticleController(ILogger<ArticleController>, IClock, AppDbContext)

```
public ArticleController(ILogger<ArticleController> logger, IClock clock,  
AppDbContext dbContext)
```

Parameters

logger [ILogger<ArticleController>](#)

clock [IClock](#)

dbContext [AppDbContext](#)

Methods

Create(ArticleCreateModel)

```
[HttpPost("api/v1/Article/")]
public Task<ActionResult> Create(ArticleCreateModel model)
```

Parameters

model [ArticleCreateModel](#)

Returns

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

DeleteArticle(Guid)

```
[HttpDelete("api/v1/Article/{id:guid}")]
public Task<IActionResult> DeleteArticle(Guid id)
```

Parameters

id [Guid](#)

Returns

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

Get(Guid)

```
[HttpGet("api/v1/Article/{id:guid}")]
public Task<ActionResult<ArticleDetailModel>> Get(Guid id)
```

Parameters

id [Guid](#)

Returns

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

GetList()

```
[HttpGet("api/v1/Article/")]
public Task<ActionResult<List<ArticleDetailModel>>> GetList()
```

Returns

[Task](#) <[ActionResult](#) <[List](#) <[ArticleDetailModel](#)>>>

Update(Guid, JsonPatchDocument<ArticleDetailModel>)

```
[HttpPatch("api/v1/Article/{id:guid}")]
public Task<ActionResult<ArticleDetailModel>> Update(Guid id,
JsonPatchDocument<ArticleDetailModel> patch)
```

Parameters

id [Guid](#)

patch [JsonPatchDocument](#) <[ArticleDetailModel](#)>

Returns

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

Class AuthController

Namespace: [Recycle.Api.Controllers](#)

Assembly: Recycle.Api.dll

```
[ApiController]  
public class AuthController : ControllerBase
```

Inheritance

[object](#) ← [ControllerBase](#) ← AuthController

Inherited Members

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

[ControllerBase.RedirectToRoutePermanent\(object\)](#) ,
 [ControllerBase.RedirectToRoutePermanent\(string, object\)](#) ,
 [ControllerBase.RedirectToRoutePermanent\(string, string\)](#) ,
 [ControllerBase.RedirectToRoutePermanent\(string, object, string\)](#) ,
 [ControllerBase.RedirectToRoutePermanentPreserveMethod\(string, object, string\)](#) ,
 [ControllerBase.RedirectToPage\(string\)](#) , [ControllerBase.RedirectToPage\(string, object\)](#) ,
 [ControllerBase.RedirectToPage\(string, string\)](#) , [ControllerBase.RedirectToPage\(string, string, object\)](#) ,
 [ControllerBase.RedirectToPage\(string, string, string\)](#) ,
 [ControllerBase.RedirectToPage\(string, string, object, string\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, object\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, string\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, string, string\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, string, object, string\)](#) ,
 [ControllerBase.RedirectToPagePreserveMethod\(string, string, object, string\)](#) ,
 [ControllerBase.RedirectToPagePermanentPreserveMethod\(string, string, object, string\)](#) ,
 [ControllerBase.File\(byte\[\], string\)](#) , [ControllerBase.File\(byte\[\], string, bool\)](#) ,
 [ControllerBase.File\(byte\[\], string, string\)](#) , [ControllerBase.File\(byte\[\], string, string, bool\)](#) ,
 [ControllerBase.File\(byte\[\], string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(byte\[\], string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(byte\[\], string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(byte\[\], string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(Stream, string\)](#) , [ControllerBase.File\(Stream, string, bool\)](#) ,
 [ControllerBase.File\(Stream, string, string\)](#) , [ControllerBase.File\(Stream, string, string, bool\)](#) ,
 [ControllerBase.File\(Stream, string, DateTimeOffset?\)](#) ,
 [ControllerBase.File\(Stream, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(Stream, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(Stream, string, string, DateTimeOffset?\)](#) ,
 [ControllerBase.File\(Stream, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(string, string\)](#) , [ControllerBase.File\(string, string, bool\)](#) ,
 [ControllerBase.File\(string, string, string\)](#) , [ControllerBase.File\(string, string, string, bool\)](#) ,
 [ControllerBase.File\(string, string, DateTimeOffset?\)](#) ,
 [ControllerBase.File\(string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [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.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.ValidationProblem\(ValidationProblemDetails\)](#) ,
 [ControllerBase.ValidationProblem\(ModelStateDictionary\)](#) , [ControllerBase.ValidationProblem\(\)](#) ,
 [ControllerBase.ValidationProblem\(string, string, int?, string, string, ModelStateDictionary\)](#) ,
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 [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\(object, object\)](#) ,
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 [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\[\]\)](#) ,
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 [ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties\)](#) ,
 [ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties, string\)](#) , [ControllerBase.SignOut\(\)](#) ,
 [ControllerBase.SignOut\(AuthenticationProperties\)](#) , [ControllerBase.SignOut\(params string\[\]\)](#) ,
 [ControllerBase.SignOut\(AuthenticationProperties, params string\[\]\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider\)](#) ,

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

Constructors

AuthController(EmailSenderService, IClock,
UserManager<ApplicationUser>,
SignInManager<ApplicationUser>)

```
public AuthController(EmailSenderService emailSenderService, IClock clock,  
UserManager<ApplicationUser> userManager, SignInManager<ApplicationUser> signInManager)
```

Parameters

emailSenderService [EmailSenderService](#)

clock [IClock](#)

userManager [UserManager<ApplicationUser>](#)

signInManager [SignInManager<ApplicationUser>](#)

Methods

Login(LogInModel)

```
[HttpPost("api/v1/Auth/Login")]
public Task<ActionResult> Login(LogInModel model)
```

Parameters

model [LogInModel](#)

Returns

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

Logout()

```
[Authorize]
[HttpPost("api/v1/Auth/Logout")]
public Task<ActionResult> Logout()
```

Returns

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

Register(RegisterModel)

```
[HttpPost("api/v1/Auth/Register")]
[ProducesResponseType(204)]
[ProducesResponseType(400)]
public Task<ActionResult> Register(RegisterModel model)
```

Parameters

model [RegisterModel](#)

Returns

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

TestMeBeforeLoginAndAfter()

```
[Authorize]  
[HttpGet("api/v1/Auth/TestMeBeforeLoginAndAfter")]  
public ActionResult TestMeBeforeLoginAndAfter()
```

Returns

[ActionResult](#)

ValidateToken(TokenModel)

unescape token before sending

```
[HttpPost("api/v1/Auth/ValidateToken")]  
public Task<ActionResult> ValidateToken(TokenModel model)
```

Parameters

model [TokenModel](#)

Returns

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

Class LocationController

Namespace: [Recycle.Api.Controllers](#)

Assembly: Recycle.Api.dll

```
[ApiController]  
public class LocationController : ControllerBase
```

Inheritance

[object](#) ← [ControllerBase](#) ← LocationController

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\(string\)](#) ,

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 [ControllerBase.RedirectToRoutePermanent\(string, object\)](#) ,
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 [ControllerBase.RedirectToRoutePermanentPreserveMethod\(string, object, string\)](#) ,
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 [ControllerBase.RedirectToPage\(string, string\)](#) , [ControllerBase.RedirectToPage\(string, string, object\)](#) ,
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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\(string, string, object, string\)](#) ,
 [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\(Stream, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(Stream, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(Stream, string, string, DateTimeOffset?\)](#) ,
 [ControllerBase.File\(Stream, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
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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\(string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
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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.ValidationProblem\(ValidationProblemDetails\)](#) ,
 [ControllerBase.ValidationProblem\(ModelStateDictionary\)](#) , [ControllerBase.ValidationProblem\(\)](#) ,
 [ControllerBase.ValidationProblem\(string, string, int?, string, string, ModelStateDictionary\)](#) ,
 [ControllerBase.Created\(\)](#) , [ControllerBase.Created\(string, object\)](#) ,
 [ControllerBase.Created\(Uri, object\)](#) , [ControllerBase.CreatedAtAction\(string, object\)](#) ,
 [ControllerBase.CreatedAtAction\(string, object, object\)](#) ,
 [ControllerBase.CreatedAtAction\(string, string, object, object\)](#) ,
 [ControllerBase.CreatedAtRoute\(string, object\)](#) , [ControllerBase.CreatedAtRoute\(object, object\)](#) ,
 [ControllerBase.CreatedAtRoute\(string, object, object\)](#) , [ControllerBase.Accepted\(\)](#) ,
 [ControllerBase.Accepted\(object\)](#) , [ControllerBase.Accepted\(Uri\)](#) , [ControllerBase.Accepted\(string\)](#) ,
 [ControllerBase.Accepted\(string, object\)](#) , [ControllerBase.Accepted\(Uri, object\)](#) ,
 [ControllerBase.AcceptedAtAction\(string\)](#) , [ControllerBase.AcceptedAtAction\(string, string\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, object\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, string, object\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, object, object\)](#) ,
 [ControllerBase.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

LocationController(ILocator<LocationController>, IClock,
AppDbContext, IApplicationMapper)

```
public LocationController(ILocator<LocationController> logger, IClock clock, AppDbContext  
dbContext, IApplicationMapper mapper)
```

Parameters

logger [ILocator](#)<[LocationController](#)>

clock [IClock](#)

dbContext [AppDbContext](#)

mapper [IApplicationMapper](#)

Methods

CreateLocation(LocationCreateModel)

```
[HttpPost("api/v1/Location/")]
public Task<ActionResult<LocationDetailModel>> CreateLocation(LocationCreateModel model)
```

Parameters

model [LocationCreateModel](#)

Returns

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

DeleteMaterial(Guid)

```
[HttpDelete("api/v1/Location/{id:guid}")]
public Task<IActionResult> DeleteMaterial(Guid id)
```

Parameters

id [Guid](#)

Returns

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

GetById(Guid)

```
[HttpGet("api/v1/Location/{id:guid}")]
public Task<ActionResult<LocationDetailModel>> GetById(Guid id)
```

Parameters

id [Guid](#)

Returns

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

GetListLocations()

```
[HttpGet("api/v1/Location/")]
public Task<ActionResult<List<LocationDetailModel>>> GetListLocations()
```

Returns

[Task](#) <[ActionResult](#) <[List](#) <[LocationDetailModel](#)>>>

UpdateLocation(Guid, JsonPatchDocument<LocationDetailModel>)

```
[HttpPatch("api/v1/Location/{id:guid}")]
public Task<ActionResult<LocationDetailModel>> UpdateLocation(Guid id,
JsonPatchDocument<LocationDetailModel> patch)
```

Parameters

id [Guid](#)

patch [JsonPatchDocument](#) <[LocationDetailModel](#)>

Returns

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

Class MaterialController

Namespace: [Recycle.Api.Controllers](#)

Assembly: Recycle.Api.dll

```
[ApiController]  
public class MaterialController : ControllerBase
```

Inheritance

[object](#) ← [ControllerBase](#) ← MaterialController

Inherited Members

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

[ControllerBase.RedirectToRoutePermanent\(object\)](#) ,
 [ControllerBase.RedirectToRoutePermanent\(string, object\)](#) ,
 [ControllerBase.RedirectToRoutePermanent\(string, string\)](#) ,
 [ControllerBase.RedirectToRoutePermanent\(string, object, string\)](#) ,
 [ControllerBase.RedirectToRoutePermanentPreserveMethod\(string, object, string\)](#) ,
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 [ControllerBase.RedirectToPage\(string, string\)](#) , [ControllerBase.RedirectToPage\(string, string, object\)](#) ,
 [ControllerBase.RedirectToPage\(string, string, string\)](#) ,
 [ControllerBase.RedirectToPage\(string, string, object, string\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, object\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, string\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, string, string\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, string, object, string\)](#) ,
 [ControllerBase.RedirectToPagePreserveMethod\(string, string, object, string\)](#) ,
 [ControllerBase.RedirectToPagePermanentPreserveMethod\(string, string, object, string\)](#) ,
 [ControllerBase.File\(byte\[\], string\)](#) , [ControllerBase.File\(byte\[\], string, bool\)](#) ,
 [ControllerBase.File\(byte\[\], string, string\)](#) , [ControllerBase.File\(byte\[\], string, string, bool\)](#) ,
 [ControllerBase.File\(byte\[\], string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(byte\[\], string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(byte\[\], string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(byte\[\], string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(Stream, string\)](#) , [ControllerBase.File\(Stream, string, bool\)](#) ,
 [ControllerBase.File\(Stream, string, string\)](#) , [ControllerBase.File\(Stream, string, string, bool\)](#) ,
 [ControllerBase.File\(Stream, string, DateTimeOffset?\)](#) ,
 [ControllerBase.File\(Stream, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(Stream, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(Stream, string, string, DateTimeOffset?\)](#) ,
 [ControllerBase.File\(Stream, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
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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.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.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.ValidationProblem\(ValidationProblemDetails\)](#) ,
 [ControllerBase.ValidationProblem\(ModelStateDictionary\)](#) , [ControllerBase.ValidationProblem\(\)](#) ,
 [ControllerBase.ValidationProblem\(string, string, int?, string, string, ModelStateDictionary\)](#) ,
 [ControllerBase.Created\(\)](#) , [ControllerBase.Created\(string, object\)](#) ,
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 [ControllerBase.CreatedAtAction\(string, object, object\)](#) ,
 [ControllerBase.CreatedAtAction\(string, string, object, object\)](#) ,
 [ControllerBase.CreatedAtRoute\(string, object\)](#) , [ControllerBase.CreatedAtRoute\(object, object\)](#) ,
 [ControllerBase.CreatedAtRoute\(string, object, object\)](#) , [ControllerBase.Accepted\(\)](#) ,
 [ControllerBase.Accepted\(object\)](#) , [ControllerBase.Accepted\(Uri\)](#) , [ControllerBase.Accepted\(string\)](#) ,
 [ControllerBase.Accepted\(string, object\)](#) , [ControllerBase.Accepted\(Uri, object\)](#) ,
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 [ControllerBase.AcceptedAtAction\(string, object\)](#) ,
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 [ControllerBase.AcceptedAtAction\(string, object, object\)](#) ,
 [ControllerBase.AcceptedAtRoute\(object\)](#) , [ControllerBase.AcceptedAtRoute\(string\)](#) ,
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 [ControllerBase.Forbid\(params string\[\]\)](#) , [ControllerBase.Forbid\(AuthenticationProperties\)](#) ,
 [ControllerBase.Forbid\(AuthenticationProperties, params string\[\]\)](#) ,
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 [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

MaterialController(ILogger<MaterialController>, IClock,
AppDbContext, IApplicationMapper)

```
public MaterialController(ILogger<MaterialController> logger, IClock clock, AppDbContext  
dbContext, IApplicationMapper mapper)
```

Parameters

logger [ILogger<MaterialController>](#)

clock [IClock](#)

dbContext [AppDbContext](#)

mapper [IApplicationMapper](#)

Methods

Create(MaterialCreateModel)

```
[HttpPost("api/v1/Material/")]
public Task<ActionResult> Create(MaterialCreateModel model)
```

Parameters

model [MaterialCreateModel](#)

Returns

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

DeleteMaterial(Guid)

```
[HttpDelete("api/v1/Material/{id:guid}")]
public Task<IActionResult> DeleteMaterial(Guid id)
```

Parameters

id [Guid](#)

Returns

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

GetById(Guid)

```
[HttpGet("api/v1/Material/{id:guid}")]
public Task<ActionResult<MaterialDetailModel>> GetById(Guid id)
```

Parameters

id [Guid](#)

Returns

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

GetList()

```
[HttpGet("api/v1/Material/")]
public Task<ActionResult<List<MaterialDetailModel>>> GetList()
```

Returns

[Task](#) <ActionResult<List<MaterialDetailModel>>>

UpdateMaterial(Guid,
JsonPatchDocument<MaterialDetailModel>)

```
[HttpPatch("api/v1/Material/{id:guid}")]
public Task<ActionResult<MaterialDetailModel>> UpdateMaterial(Guid id,
JsonPatchDocument<MaterialDetailModel> patch)
```

Parameters

id [Guid](#)

patch [JsonPatchDocument](#)<MaterialDetailModel>

Returns

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

Class PartController

Namespace: [Recycle.Api.Controllers](#)

Assembly: Recycle.Api.dll

```
[ApiController]  
public class PartController : ControllerBase
```

Inheritance

[object](#) ← [ControllerBase](#) ← PartController

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\(string, string, object\)](#) ,
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 [ControllerBase.PhysicalFile\(string, string, DateTimeOffset?\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
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 [ControllerBase.PhysicalFile\(string, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,

[ControllerBase.PhysicalFile\(string, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
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 [ControllerBase.Conflict\(object\)](#) , [ControllerBase.Conflict\(ModelStateDictionary\)](#) ,
 [ControllerBase.Problem\(string, string, int?, string, string\)](#) ,
 [ControllerBase.ValidationProblem\(ValidationProblemDetails\)](#) ,
 [ControllerBase.ValidationProblem\(ModelStateDictionary\)](#) , [ControllerBase.ValidationProblem\(\)](#) ,
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 [ControllerBase.AcceptedAtAction\(string, object, object\)](#) ,
 [ControllerBase.AcceptedAtRoute\(object\)](#) , [ControllerBase.AcceptedAtRoute\(string\)](#) ,
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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

PartController(ILOGGER<ProductController>, IClock,
AppDbContext, IApplicationMapper)

```
public PartController(ILOGGER<ProductController> logger, IClock clock, AppDbContext  
dbContext, IApplicationMapper mapper)
```

Parameters

logger [ILOGGER<ProductController>](#)

clock [IClock](#)

dbContext [AppDbContext](#)

mapper [IApplicationMapper](#)

Methods

CreatePart(PartCreateModel)

```
[HttpPost("api/v1/Part/")]
public Task<ActionResult> CreatePart(PartCreateModel model)
```

Parameters

model [PartCreateModel](#)

Returns

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

DeletePart(Guid)

```
[HttpDelete("api/v1/Part/{id:guid}")]
public Task<IActionResult> DeletePart(Guid id)
```

Parameters

id [Guid](#)

Returns

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

GetById(Guid)

```
[HttpGet("api/v1/Part/{id:guid}")]
public Task<ActionResult<PartDetailModel>> GetById(Guid id)
```

Parameters

id [Guid](#)

Returns

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

GetListPart()

```
[HttpGet("api/v1/Part/")]
public Task<ActionResult<List<PartDetailModel>>> GetListPart()
```

Returns

[Task](#) <[ActionResult](#) <[List](#) <[PartDetailModel](#)>>>

UpdatePart(Guid, JsonPatchDocument<PartDetailModel>)

```
[HttpPatch("api/v1/Part/{id:guid}")]
public Task<ActionResult<PartDetailModel>> UpdatePart(Guid id,
JsonPatchDocument<PartDetailModel> patch)
```

Parameters

id [Guid](#)

patch [JsonPatchDocument](#) <[PartDetailModel](#)>

Returns

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

Class ProductController

Namespace: [Recycle.Api.Controllers](#)

Assembly: Recycle.Api.dll

```
[ApiController]  
public class ProductController : ControllerBase
```

Inheritance

[object](#) ← [ControllerBase](#) ← ProductController

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\(string\)](#) ,
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[ControllerBase.RedirectToAction\(string, string, string\)](#) ,
[ControllerBase.RedirectToAction\(string, string, object, string\)](#) ,
[ControllerBase.RedirectToActionPreserveMethod\(string, string, object, string\)](#) ,
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[ControllerBase.RedirectToActionPermanent\(string, string, object, string\)](#) ,
[ControllerBase.RedirectToActionPermanentPreserveMethod\(string, string, object, string\)](#) ,
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 [ControllerBase.RedirectToPagePermanent\(string\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, object\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, string\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, string, string\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, string, object, string\)](#) ,
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 [ControllerBase.File\(byte\[\], string\)](#) , [ControllerBase.File\(byte\[\], string, bool\)](#) ,
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[ControllerBase.PhysicalFile\(string, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
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 [ControllerBase.UnprocessableEntity\(ModelStateDictionary\)](#) , [ControllerBase.Conflict\(\)](#) ,
 [ControllerBase.Conflict\(object\)](#) , [ControllerBase.Conflict\(ModelStateDictionary\)](#) ,
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 [ControllerBase.ValidationProblem\(ValidationProblemDetails\)](#) ,
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 [ControllerBase.CreatedAtAction\(string, object, object\)](#) ,
 [ControllerBase.CreatedAtAction\(string, string, object, object\)](#) ,
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[ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, params Expression<Func<TModel, object>>\[\]\)](#) ,
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 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, params Expression<Func<TModel, object>>\[\]\)](#) ,
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, Func<ModelMetadata, bool>\)](#) ,
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 [ControllerBase.TryUpdateModelAsync\(object, Type, string, IValueProvider, Func<ModelMetadata, bool>\)](#) ,
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 [ControllerBase.RouteData](#) , [ControllerBase.ModelState](#) , [ControllerBase.ControllerContext](#) ,
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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

ProductController(ILogger<ProductController>, IClock,
AppDbContext, IApplicationMapper)

```
public ProductController(ILogger<ProductController> logger, IClock clock, AppDbContext  
dbContext, IApplicationMapper mapper)
```

Parameters

logger [ILogger<ProductController>](#)

clock [IClock](#)

dbContext [AppDbContext](#)

mapper [IApplicationMapper](#)

Methods

CreateProduct(ProductCreateModel)

Creates a new product entity from model

```
[HttpPost("api/v1/Product/")]
public Task<ActionResult> CreateProduct(ProductCreateModel model)
```

Parameters

model [ProductCreateModel](#)

Data model which is providing informations about the created Product

Returns

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

ActionResult is indicating

DeleteProduct(Guid)

```
[HttpDelete("api/v1/Product/{id:guid}")]
public Task<IActionResult> DeleteProduct(Guid id)
```

Parameters

id [Guid](#)

Returns

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

GetListProduct()

```
[HttpGet("api/v1/Product/")]
public Task<ActionResult<List<ProductDetailModel>>> GetListProduct()
```

Returns

[Task](#) <ActionResult <List <ProductDetailModel>>>

GetProductById(Guid)

```
[HttpGet("api/v1/Product/{id:guid}")]
public Task<ActionResult<ProductDetailModel>> GetProductById(Guid id)
```

Parameters

id [Guid](#)

Returns

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

UpdateProduct(Guid, JsonPatchDocument<ProductDetailModel>)

```
[HttpPatch("api/v1/Product/{id:guid}")]
public Task<ActionResult<ProductDetailModel>> UpdateProduct(Guid id,
JsonPatchDocument<ProductDetailModel> patch)
```

Parameters

id [Guid](#)

patch [JsonPatchDocument](#) <ProductDetailModel>

Returns

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

Class TrashCanController

Namespace: [Recycle.Api.Controllers](#)

Assembly: Recycle.Api.dll

```
[ApiController]  
public class TrashCanController : ControllerBase
```

Inheritance

[object](#) ← [ControllerBase](#) ← [TrashCanController](#)

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\(Stream, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(Stream, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(Stream, string, string, DateTimeOffset?\)](#) ,
 [ControllerBase.File\(Stream, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(string, string\)](#) , [ControllerBase.File\(string, string, bool\)](#) ,
 [ControllerBase.File\(string, string, string\)](#) , [ControllerBase.File\(string, string, string, bool\)](#) ,
 [ControllerBase.File\(string, string, DateTimeOffset?\)](#) ,
 [ControllerBase.File\(string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [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.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.ValidationProblem\(ValidationProblemDetails\)](#) ,
 [ControllerBase.ValidationProblem\(ModelStateDictionary\)](#) , [ControllerBase.ValidationProblem\(\)](#) ,
 [ControllerBase.ValidationProblem\(string, string, int?, string, string, ModelStateDictionary\)](#) ,
 [ControllerBase.Created\(\)](#) , [ControllerBase.Created\(string, object\)](#) ,
 [ControllerBase.Created\(Uri, object\)](#) , [ControllerBase.CreatedAtAction\(string, object\)](#) ,
 [ControllerBase.CreatedAtAction\(string, object, object\)](#) ,
 [ControllerBase.CreatedAtAction\(string, string, object, object\)](#) ,
 [ControllerBase.CreatedAtRoute\(string, object\)](#) , [ControllerBase.CreatedAtRoute\(object, object\)](#) ,
 [ControllerBase.CreatedAtRoute\(string, object, object\)](#) , [ControllerBase.Accepted\(\)](#) ,
 [ControllerBase.Accepted\(object\)](#) , [ControllerBase.Accepted\(Uri\)](#) , [ControllerBase.Accepted\(string\)](#) ,
 [ControllerBase.Accepted\(string, object\)](#) , [ControllerBase.Accepted\(Uri, object\)](#) ,
 [ControllerBase.AcceptedAtAction\(string\)](#) , [ControllerBase.AcceptedAtAction\(string, string\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, object\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, string, object\)](#) ,
 [ControllerBase.AcceptedAtAction\(string, object, object\)](#) ,
 [ControllerBase.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

TrashCanController(ILogger<TrashCanController>, IClock,
AppDbContext, IApplicationMapper)

```
public TrashCanController(ILogger<TrashCanController> logger, IClock clock, AppDbContext  
dbContext, IApplicationMapper mapper)
```

Parameters

logger [ILogger](#)<TrashCanController>

clock [IClock](#)

dbContext [AppDbContext](#)

mapper [IApplicationMapper](#)

Methods

CreateTrashCan(TrashCanCreateModel)

```
[HttpPost("api/v1/TrashCan/")]
public Task<ActionResult> CreateTrashCan(TrashCanCreateModel model)
```

Parameters

model [TrashCanCreateModel](#)

Returns

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

DeleteTrashCan(Guid)

```
[HttpDelete("api/v1/TrashCan/{id:guid}")]
public Task<IActionResult> DeleteTrashCan(Guid id)
```

Parameters

id [Guid](#)

Returns

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

GetById(Guid)

```
[HttpGet("api/v1/TrashCan/{id:guid}")]
public Task<ActionResult<TrashCanDetailModel>> GetById(Guid id)
```

Parameters

id [Guid](#)

Returns

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

GetListTrashCan()

```
[HttpGet("api/v1/TrashCan/")]
public Task<ActionResult<List<TrashCanDetailModel>>> GetListTrashCan()
```

Returns

[Task](#) <[ActionResult](#) <[List](#) <[TrashCanDetailModel](#)>>>

UpdateTrashCan(Guid, JsonPatchDocument<TrashCanDetailModel>)

```
[HttpPatch("api/v1/TrashCan/{id:guid}")]
public Task<ActionResult<TrashCanDetailModel>> UpdateTrashCan(Guid id,
JsonPatchDocument<TrashCanDetailModel> patch)
```

Parameters

id [Guid](#)

patch [JsonPatchDocument](#) <[TrashCanDetailModel](#)>

Returns

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

Namespace Recycle.Api.Models.Articles

Classes

[ArticleCreateModel](#)

[ArticleCreateModelExtensions](#)

[ArticleDetailModel](#)

[ArticleDetailModelExtensions](#)

Class ArticleCreateModel

Namespace: [Recycle.Api.Models.Articles](#)

Assembly: Recycle.Api.dll

```
public class ArticleCreateModel
```

Inheritance

[object](#) ← ArticleCreateModel

Inherited Members

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

Properties

Annotation

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

Property Value

[string](#)

AuthorsName

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

Property Value

[string](#)

Heading

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

Property Value

[string](#) ↗

Id

```
[Required(ErrorMessage = "{0} is required.", AllowEmptyStrings = false)]  
public Guid Id { get; set; }
```

Property Value

[Guid](#) ↗

PicturePath

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

Property Value

[string](#) ↗

Class ArticleCreateModelExtensions

Namespace: [Recycle.Api.Models.Articles](#)

Assembly: Recycle.Api.dll

```
public static class ArticleCreateModelExtensions
```

Inheritance

[object](#) ← ArticleCreateModelExtensions

Inherited Members

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

Methods

ToUpdate(Article)

```
public static ArticleCreateModel ToUpdate(this Article source)
```

Parameters

source [Article](#)

Returns

[ArticleCreateModel](#)

Class ArticleDetailModel

Namespace: [Recycle.Api.Models.Articles](#)

Assembly: Recycle.Api.dll

```
public class ArticleDetailModel
```

Inheritance

[object](#) ← ArticleDetailModel

Inherited Members

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

Properties

Annotation

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

Property Value

[string](#)

AuthorsName

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

Property Value

[string](#)

CreatedAt

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

Property Value

[string](#) ↗

Heading

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

Property Value

[string](#) ↗

Id

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

Property Value

[Guid](#) ↗

PicturePath

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

Property Value

[string](#) ↗

Class ArticleDetailModelExtensions

Namespace: [Recycle.Api.Models.Articles](#)

Assembly: Recycle.Api.dll

```
public static class ArticleDetailModelExtensions
```

Inheritance

[object](#) ← ArticleDetailModelExtensions

Inherited Members

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

Methods

ToDetail(Article)

```
public static ArticleDetailModel ToDetail(this Article source)
```

Parameters

source [Article](#)

Returns

[ArticleDetailModel](#)

Namespace Recycle.Api.Models.Authorization Classes

[LogInModel](#)

[RegisterModel](#)

[TokenModel](#)

Class LogInModel

Namespace: [Recycle.Api.Models.Authorization](#)

Assembly: Recycle.Api.dll

```
public class LogInModel
```

Inheritance

[object](#) ← LogInModel

Inherited Members

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

Properties

Email

```
[Required]  
[EmailAddress]  
public string Email { get; set; }
```

Property Value

[string](#)

Password

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

Property Value

[string](#)

Class RegisterModel

Namespace: [Recycle.Api.Models.Authorization](#)

Assembly: Recycle.Api.dll

```
public class RegisterModel
```

Inheritance

[object](#) ← RegisterModel

Inherited Members

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

Properties

DateOfBirth

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

Property Value

[string](#)

Email

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

Property Value

[string](#)

FirstName

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

Property Value

[string](#) ↗

LastName

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

Property Value

[string](#) ↗

Password

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

Property Value

[string](#) ↗

UserName

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

Property Value

[string](#) ↗

Class TokenModel

Namespace: [Recycle.Api.Models.Authorization](#)

Assembly: Recycle.Api.dll

```
public class TokenModel
```

Inheritance

[object](#) ← TokenModel

Inherited Members

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

Properties

Email

```
[Required]  
[EmailAddress]  
public string Email { get; set; }
```

Property Value

[string](#)

Token

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

Property Value

[string](#)

Namespace Recycle.Api.Models.Locations

Classes

[LocationCreateModel](#)

[LocationCreateModelExtentions](#)

[LocationDetailModel](#)

[LocationDetailModelExtensions](#)

Class LocationCreateModel

Namespace: [Recycle.Api.Models.Locations](#)

Assembly: Recycle.Api.dll

```
public class LocationCreateModel
```

Inheritance

[object](#) ← LocationCreateModel

Inherited Members

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

Properties

Name

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

Property Value

[string](#)

Class LocationCreateModelExtentions

Namespace: [Recycle.Api.Models.Locations](#)

Assembly: Recycle.Api.dll

```
public static class LocationCreateModelExtentions
```

Inheritance

[object](#) ← LocationCreateModelExtentions

Inherited Members

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

Methods

ToUpdate(Location)

```
public static LocationCreateModel ToUpdate(this Location source)
```

Parameters

source [Location](#)

Returns

[LocationCreateModel](#)

Class LocationDetailModel

Namespace: [Recycle.Api.Models.Locations](#)

Assembly: Recycle.Api.dll

```
public class LocationDetailModel
```

Inheritance

[object](#) ← LocationDetailModel

Inherited Members

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

Properties

Id

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

Property Value

[Guid](#)

Name

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

Property Value

[string](#)

Class LocationDetailModelExtensions

Namespace: [Recycle.Api.Models.Locations](#)

Assembly: Recycle.Api.dll

```
public static class LocationDetailModelExtensions
```

Inheritance

[object](#) ← LocationDetailModelExtensions

Inherited Members

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

Methods

ToDetail(IApplicationMapper, Location)

```
public static LocationDetailModel ToDetail(this IApplicationMapper mapper, Location source)
```

Parameters

mapper [IApplicationMapper](#)

source [Location](#)

Returns

[LocationDetailModel](#)

Namespace Recycle.Api.Models.Materials

Classes

[CategoryDetailModelExtentions](#)

[MaterialCreateModel](#)

[MaterialCreateModelExtentions](#)

[MaterialDetailModel](#)

Class CategoryDetailModelExtentions

Namespace: [Recycle.Api.Models.Materials](#)

Assembly: Recycle.Api.dll

```
public static class CategoryDetailModelExtentions
```

Inheritance

[object](#) ← CategoryDetailModelExtentions

Inherited Members

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

Methods

ToDetail(Material)

```
public static MaterialDetailModel ToDetail(this Material source)
```

Parameters

source [Material](#)

Returns

[MaterialDetailModel](#)

Class MaterialCreateModel

Namespace: [Recycle.Api.Models.Materials](#)

Assembly: Recycle.Api.dll

```
public class MaterialCreateModel
```

Inheritance

[object](#) ← MaterialCreateModel

Inherited Members

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

Properties

Description

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

Property Value

[string](#)

Id

```
[Required(ErrorMessage = "{0} is required.", AllowEmptyStrings = false)]  
public Guid Id { get; set; }
```

Property Value

[Guid](#)

Name

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

Property Value

[string](#) ↗

Class MaterialCreateModelExtentions

Namespace: [Recycle.Api.Models.Materials](#)

Assembly: Recycle.Api.dll

```
public static class MaterialCreateModelExtentions
```

Inheritance

[object](#) ← MaterialCreateModelExtentions

Inherited Members

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

Methods

ToUpdate(IApplicationMapper, Material)

```
public static MaterialCreateModel ToUpdate(this IApplicationMapper mapper, Material source)
```

Parameters

mapper [IApplicationMapper](#)

source [Material](#)

Returns

[MaterialCreateModel](#)

Class MaterialDetailModel

Namespace: [Recycle.Api.Models.Materials](#)

Assembly: Recycle.Api.dll

```
public class MaterialDetailModel
```

Inheritance

[object](#) ← MaterialDetailModel

Inherited Members

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

Properties

Description

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

Property Value

[string](#)

Id

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

Property Value

[Guid](#)

Name

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

Property Value

[string](#) ↗

Namespace Recycle.Api.Models.Parts

Classes

[PartCreateModel](#)

[PartDetailModel](#)

[PartDetailModelExtensions](#)

Class PartCreateModel

Namespace: [Recycle.Api.Models.Parts](#)

Assembly: Recycle.Api.dll

```
public class PartCreateModel
```

Inheritance

[object](#) ← PartCreateModel

Inherited Members

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

Properties

Description

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

Property Value

[string](#)

Id

```
[Required(AllowEmptyStrings = false, ErrorMessage = "Part must contain text!")]
public Guid Id { get; set; }
```

Property Value

[Guid](#)

Name

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

Property Value

[string](#) ↗

PicturePath

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

Property Value

[string](#) ↗

Type

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

Property Value

[int](#) ↗

Class PartDetailModel

Namespace: [Recycle.Api.Models.Parts](#)

Assembly: Recycle.Api.dll

```
public class PartDetailModel
```

Inheritance

[object](#) ← PartDetailModel

Inherited Members

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

Properties

Description

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

Property Value

[string](#)

Id

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

Property Value

[Guid](#)

IsVerified

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

Property Value

[bool ↗](#)

Name

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

Property Value

[string ↗](#)

PicturePath

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

Property Value

[string ↗](#)

Type

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

Property Value

[int ↗](#)

Class PartDetailModelExtensions

Namespace: [Recycle.Api.Models.Parts](#)

Assembly: Recycle.Api.dll

```
public static class PartDetailModelExtensions
```

Inheritance

[object](#) ← PartDetailModelExtensions

Inherited Members

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

Methods

ToDetail(IApplicationMapper, Part)

```
public static PartDetailModel ToDetail(this IApplicationMapper mapper, Part source)
```

Parameters

mapper [IApplicationMapper](#)

source [Part](#)

Returns

[PartDetailModel](#)

Namespace Recycle.Api.Models.Products

Classes

[ProductCreateModel](#)

[ProductDetailModel](#)

[ProductDetailModelExtensions](#)

Class ProductCreateModel

Namespace: [Recycle.Api.Models.Products](#)

Assembly: Recycle.Api.dll

```
public class ProductCreateModel
```

Inheritance

[object](#) ← ProductCreateModel

Inherited Members

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

Properties

Description

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

Property Value

[string](#)

EAN

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

Property Value

[string](#)

Id

```
[Required(AllowEmptyStrings = false, ErrorMessage = "Product must contain text!")]
public Guid Id { get; set; }
```

Property Value

[Guid](#)

Name

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

Property Value

[string](#)

PartIds

```
public IEnumerable<Guid> PartIds { get; set; }
```

Property Value

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

PicturePath

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

Property Value

[string](#)

Class ProductDetailModel

Namespace: [Recycle.Api.Models.Products](#)

Assembly: Recycle.Api.dll

```
public class ProductDetailModel
```

Inheritance

[object](#) ← ProductDetailModel

Inherited Members

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

Properties

Description

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

Property Value

[string](#)

EAN

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

Property Value

[string](#)

Id

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

Property Value

[Guid](#) ↗

IsVerified

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

Property Value

[bool](#) ↗

Name

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

Property Value

[string](#) ↗

PicturePath

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

Property Value

[string](#) ↗

Class ProductDetailModelExtensions

Namespace: [Recycle.Api.Models.Products](#)

Assembly: Recycle.Api.dll

```
public static class ProductDetailModelExtensions
```

Inheritance

[object](#) ← ProductDetailModelExtensions

Inherited Members

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

Methods

ToDetail(IApplicationMapper, Product)

```
public static ProductDetailModel ToDetail(this IApplicationMapper mapper, Product source)
```

Parameters

mapper [IApplicationMapper](#)

source [Product](#)

Returns

[ProductDetailModel](#)

Namespace Recycle.Api.Models.TrashCans

Classes

[TrashCanCreateModel](#)

[TrashCanCreateModelExtentions](#)

[TrashCanDetailModel](#)

[TrashCanDetailModelExtensions](#)

Class TrashCanCreateModel

Namespace: [Recycle.Api.Models.TrashCans](#)

Assembly: Recycle.Api.dll

```
public class TrashCanCreateModel
```

Inheritance

[object](#) ← TrashCanCreateModel

Inherited Members

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

Properties

Description

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

Property Value

[string](#)

Id

```
[Required(AllowEmptyStrings = false, ErrorMessage = "TrashCan must contain text!")]
public Guid Id { get; set; }
```

Property Value

[Guid](#)

Name

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

Property Value

[string](#) ↗

PicturePath

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

Property Value

[string](#) ↗

Type

```
public TrashCan.TrashCanType Type { get; set; }
```

Property Value

[TrashCan.TrashCanType](#)

Class TrashCanCreateModelExtentions

Namespace: [Recycle.Api.Models.TrashCans](#)

Assembly: Recycle.Api.dll

```
public static class TrashCanCreateModelExtentions
```

Inheritance

[object](#) ← TrashCanCreateModelExtentions

Inherited Members

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

Methods

ToUpdate(TrashCan)

```
public static TrashCanCreateModel ToUpdate(this TrashCan source)
```

Parameters

source [TrashCan](#)

Returns

[TrashCanCreateModel](#)

Class TrashCanDetailModel

Namespace: [Recycle.Api.Models.TrashCans](#)

Assembly: Recycle.Api.dll

```
public class TrashCanDetailModel
```

Inheritance

[object](#) ← TrashCanDetailModel

Inherited Members

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

Properties

Description

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

Property Value

[string](#)

Id

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

Property Value

[Guid](#)

Name

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

Property Value

[string](#) ↗

PicturePath

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

Property Value

[string](#) ↗

Type

```
public TrashCan.TrashCanType Type { get; set; }
```

Property Value

[TrashCan.TrashCanType](#)

Class TrashCanDetailModelExtensions

Namespace: [Recycle.Api.Models.TrashCans](#)

Assembly: Recycle.Api.dll

```
public static class TrashCanDetailModelExtensions
```

Inheritance

[object](#) ← TrashCanDetailModelExtensions

Inherited Members

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

Methods

ToDetail(IApplicationMapper, TrashCan)

```
public static TrashCanDetailModel ToDetail(this IApplicationMapper mapper, TrashCan source)
```

Parameters

mapper [IApplicationMapper](#)

source [TrashCan](#)

Returns

[TrashCanDetailModel](#)

Namespace Recycle.Api.Services

Classes

[EmailSenderService](#)

Class EmailSenderService

Namespace: [Recycle.Api.Services](#)

Assembly: Recycle.Api.dll

```
public class EmailSenderService
```

Inheritance

[object](#) ← EmailSenderService

Inherited Members

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

Constructors

EmailSenderService(IClock, AppDbContext,
IOptionsSnapshot<SmtpSettings>)

```
public EmailSenderService(IClock clock, AppDbContext dbContext,  
IOptionsSnapshot<SmtpSettings> smtpSettings)
```

Parameters

clock [IClock](#)

dbContext [AppDbContext](#)

smtpSettings [IOptionsSnapshot](#)<SmtpSettings>

Methods

AddEmailToSendAsync(string, string, string)

```
public Task AddEmailToSendAsync(string receiver, string subject, string body)
```

Parameters

`receiver` [string](#)

`subject` [string](#)

`body` [string](#)

Returns

[Task](#)

SendEmailsAsync()

`public Task SendEmailsAsync()`

Returns

[Task](#)

Namespace Recycle.Api.Settings

Classes

[SmtpSettings](#)

Class SmtpSettings

Namespace: [Recycle.Api.Settings](#)

Assembly: Recycle.Api.dll

```
public class SmtpSettings
```

Inheritance

[object](#) ← SmtpSettings

Inherited Members

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

Properties

Host

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

Property Value

[string](#)

Password

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

Property Value

[string](#)

Port

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

Property Value

[int ↗](#)

Sender

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

Property Value

[string ↗](#)

UserName

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

Property Value

[string ↗](#)

Namespace Recycle.Api.Utilities

Classes

[ApplicationMapper](#)

[ClaimsPrincipalExtensions](#)

Interfaces

[IApplicationMapper](#)

Class ApplicationMapper

Namespace: [Recycle.Api.Utilities](#)

Assembly: Recycle.Api.dll

```
public class ApplicationMapper : IApplicationMapper
```

Inheritance

[object](#) ← ApplicationMapper

Implements

[IApplicationMapper](#)

Inherited Members

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

Extension Methods

[LocationDetailModelExtensions.ToDetail\(IApplicationMapper, Location\)](#) ,
[MaterialCreateModelExtentionsToUpdate\(IApplicationMapper, Material\)](#) ,
[PartDetailModelExtensions.ToDetail\(IApplicationMapper, Part\)](#) ,
[ProductDetailModelExtensions.ToDetail\(IApplicationMapper, Product\)](#) ,
[TrashCanDetailModelExtensions.ToDetail\(IApplicationMapper, TrashCan\)](#).

Constructors

ApplicationMapper(IClock)

```
public ApplicationMapper(IClock Clock)
```

Parameters

Clock [IClock](#)

Properties

Now

```
public Instant Now { get; }
```

Property Value

[Instant](#) ↗

Class ClaimsPrincipalExtensions

Namespace: [Recycle.Api.Utilities](#)

Assembly: Recycle.Api.dll

```
public static class ClaimsPrincipalExtensions
```

Inheritance

[object](#) ← ClaimsPrincipalExtensions

Inherited Members

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

Methods

GetName(ClaimsPrincipal)

```
public static string GetName(this ClaimsPrincipal user)
```

Parameters

user [ClaimsPrincipal](#)

Returns

[string](#)

GetUserId(ClaimsPrincipal)

```
public static Guid GetUserId(this ClaimsPrincipal user)
```

Parameters

user [ClaimsPrincipal](#)

Returns

[Guid](#) ↗

Interface IApplicationMapper

Namespace: [Recycle.Api.Utilities](#)

Assembly: Recycle.Api.dll

```
public interface IApplicationMapper
```

Extension Methods

[LocationDetailModelExtensions.ToDetail\(IApplicationMapper, Location\)](#) ,
[MaterialCreateModelExtentionsToUpdate\(IApplicationMapper, Material\)](#) ,
[PartDetailModelExtensions.ToDetail\(IApplicationMapper, Part\)](#) ,
[ProductDetailModelExtensions.ToDetail\(IApplicationMapper, Product\)](#) ,
[TrashCanDetailModelExtensions.ToDetail\(IApplicationMapper, TrashCan\)](#).

Properties

Now

```
Instant Now { get; }
```

Property Value

[Instant](#) ↗

Namespace Recycle.Data

Classes

[AppDbContext](#)

Class AppDbContext

Namespace: [Recycle.Data](#)

Assembly: Recycle.Data.dll

```
public class AppDbContext : IdentityDbContext<ApplicationUser, IdentityRole<Guid>, Guid>,  
IInfrastructure<IServiceProvider>, IDbContextDependencies, IDbSetCache, IDbContextPoolable,  
IResettableService, IDisposable, IAsyncDisposable
```

Inheritance

```
object ↵ ← DbContext ↵ ←  
IdentityUserContext< ApplicationUser, Guid ↵, IdentityUserClaim< Guid ↵ >, IdentityUserLogin< Guid  
↵ >, IdentityUserToken< Guid ↵ >> ←  
IdentityDbContext< ApplicationUser, IdentityRole< Guid ↵ >, Guid ↵, IdentityUserClaim< Guid ↵ >,  
IdentityUserRole< Guid ↵ >, IdentityUserLogin< Guid ↵ >, IdentityRoleClaim< Guid ↵ >, IdentityUser  
Token< Guid ↵ >> ←  
IdentityDbContext< ApplicationUser, IdentityRole< Guid ↵ >, Guid ↵ > ← AppDbContext
```

Implements

```
IInfrastructure<IServiceProvider>, IDbContextDependencies, IDbSetCache, IDbContextPoolable,  
IResettableService, IDisposable, IAsyncDisposable
```

Inherited Members

```
IdentityDbContext< ApplicationUser, IdentityRole< Guid >, Guid, IdentityUserClaim< Guid >,  
IdentityUserRole< Guid >, IdentityUserLogin< Guid >, IdentityRoleClaim< Guid >,  
IdentityUserToken< Guid >>.OnModelCreating(ModelBuilder) ↵ ,  
IdentityDbContext< ApplicationUser, IdentityRole< Guid >, Guid, IdentityUserClaim< Guid >,  
IdentityUserRole< Guid >, IdentityUserLogin< Guid >, IdentityRoleClaim< Guid >,  
IdentityUserToken< Guid >>.UserRoles ↵ ,  
IdentityDbContext< ApplicationUser, IdentityRole< Guid >, Guid, IdentityUserClaim< Guid >,  
IdentityUserRole< Guid >, IdentityUserLogin< Guid >, IdentityRoleClaim< Guid >,  
IdentityUserToken< Guid >>.Roles ↵ ,  
IdentityDbContext< ApplicationUser, IdentityRole< Guid >, Guid, IdentityUserClaim< Guid >,  
IdentityUserRole< Guid >, IdentityUserLogin< Guid >, IdentityRoleClaim< Guid >,  
IdentityUserToken< Guid >>.RoleClaims ↵ ,  
IdentityUserContext< ApplicationUser, Guid, IdentityUserClaim< Guid >, IdentityUserLogin< Guid >,  
IdentityUserToken< Guid >>.OnModelCreating(ModelBuilder) ↵ ,  
IdentityUserContext< ApplicationUser, Guid, IdentityUserClaim< Guid >, IdentityUserLogin< Guid >,  
IdentityUserToken< Guid >>.Users ↵ ,
```

[IdentityUserContext< ApplicationUser, Guid, IdentityUserClaim< Guid >, IdentityUserLogin< Guid >, IdentityUserToken< Guid > >.UserClaims](#) ,
[IdentityUserContext< ApplicationUser, Guid, IdentityUserClaim< Guid >, IdentityUserLogin< Guid >, IdentityUserToken< Guid > >.UserLogins](#) ,
[IdentityUserContext< ApplicationUser, Guid, IdentityUserClaim< Guid >, IdentityUserLogin< Guid >, IdentityUserToken< Guid > >.UserTokens](#) ,
[IdentityUserContext< ApplicationUser, Guid, IdentityUserClaim< Guid >, IdentityUserLogin< Guid >, IdentityUserToken< Guid > >.SchemaVersion](#) ,
[DbContext.Set< TEntity >\(\)](#) , [DbContext.Set< TEntity >\(string\)](#) ,
[DbContext.OnConfiguring\(DbContextOptionsBuilder\)](#) ,
[DbContext.ConfigureConventions\(ModelConfigurationBuilder\)](#) , [DbContext.SaveChanges\(\)](#) ,
[DbContext.SaveChanges\(bool\)](#) , [DbContext.SaveChangesAsync\(CancellationToken\)](#) ,
[DbContext.SaveChangesAsync\(bool, CancellationToken\)](#) , [DbContext.Dispose\(\)](#) ,
[DbContext.DisposeAsync\(\)](#) , [DbContext.Entry< TEntity >\(TEntity\)](#) , [DbContext.Entry\(object\)](#) ,
[DbContext.Add< TEntity >\(TEntity\)](#) , [DbContext.AddAsync< TEntity >\(TEntity, CancellationToken\)](#) ,
[DbContext.Attach< TEntity >\(TEntity\)](#) , [DbContext.Update< TEntity >\(TEntity\)](#) ,
[DbContext.Remove< TEntity >\(TEntity\)](#) , [DbContext.Add\(object\)](#) ,
[DbContext.AddAsync\(object, CancellationToken\)](#) , [DbContext.Attach\(object\)](#) ,
[DbContext.Update\(object\)](#) , [DbContext.Remove\(object\)](#) , [DbContext.AddRange\(params object\[\]\)](#) ,
[DbContext.AddRangeAsync\(params object\[\]\)](#) , [DbContext.AttachRange\(params object\[\]\)](#) ,
[DbContext.UpdateRange\(params object\[\]\)](#) , [DbContext.RemoveRange\(params object\[\]\)](#) ,
[DbContext.AddRange\(IEnumerable< object >\)](#) ,
[DbContext.AddRangeAsync\(IEnumerable< object >, CancellationToken\)](#) ,
[DbContext.AttachRange\(IEnumerable< object >\)](#) , [DbContext.UpdateRange\(IEnumerable< object >\)](#) ,
[DbContext.RemoveRange\(IEnumerable< object >\)](#) , [DbContext.Find\(Type, params object\[\]\)](#) ,
[DbContext.FindAsync\(Type, params object\[\]\)](#) ,
[DbContext.FindAsync\(Type, object\[\], CancellationToken\)](#) , [DbContext.Find< TEntity >\(params object\[\]\)](#) ,
[DbContext.FindAsync< TEntity >\(params object\[\]\)](#) ,
[DbContext.FindAsync< TEntity >\(object\[\], CancellationToken\)](#) ,
[DbContext.FromExpression< TResult >\(Expression< Func< IQueryable< TResult > > \)](#) ,
[DbContext.Database](#) , [DbContext.ChangeTracker](#) , [DbContext.Model](#) , [DbContext.ContextId](#) ,
[DbContext.SavingChanges](#) , [DbContext.SavedChanges](#) , [DbContext.SaveChangesFailed](#) ,
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Constructors

AppDbContext(DbContextOptions)

```
public AppDbContext(DbContextOptions options)
```

Parameters

options [DbContextOptions](#)

Properties

Articles

```
public DbSet<Article> Articles { get; set; }
```

Property Value

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

Emails

```
public DbSet<Email> Emails { get; set; }
```

Property Value

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

Locations

```
public DbSet<Location> Locations { get; set; }
```

Property Value

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

Materials

```
public DbSet<Material> Materials { get; set; }
```

Property Value

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

PartMaterials

```
public DbSet<PartMaterial> PartMaterials { get; set; }
```

Property Value

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

Parts

```
public DbSet<Part> Parts { get; set; }
```

Property Value

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

ProductParts

```
public DbSet<ProductPart> ProductParts { get; set; }
```

Property Value

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

Products

```
public DbSet<Product> Products { get; set; }
```

Property Value

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

TrashCans

```
public DbSet<TrashCan> TrashCans { get; set; }
```

Property Value

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

TrashCansMaterialLocations

```
public DbSet<TrashCanMaterialLocation> TrashCansMaterialLocations { get; set; }
```

Property Value

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

UserRoles

```
public DbSet<UserRole> UserRoles { get; set; }
```

Property Value

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

Users

```
public DbSet<ApplicationUser> Users { get; set; }
```

Property Value

[DbSet](#) < ApplicationUser>

Methods

OnModelCreating(ModelBuilder)

Configures the schema needed for the identity framework.

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

Parameters

modelBuilder [ModelBuilder](#)

Namespace Recycle.Data.Entities

Classes

[Article](#)

[ArticleExtensions](#)

[Email](#)

[Location](#)

[LocationExtentions](#)

[Material](#)

[MaterialExtentions](#)

[Part](#)

[PartExtentions](#)

[PartMaterial](#)

[Product](#)

[ProductExtentions](#)

[ProductPart](#)

[TrashCan](#)

[TrashCanExtentions](#)

[TrashCanMaterialLocation](#)

Enums

[PartType](#)

[TrashCan.TrashCanType](#)

Class Article

Namespace: [Recycle.Data.Entities](#)

Assembly: Recycle.Data.dll

```
public class Article : ITrackable
```

Inheritance

[object](#) ← Article

Implements

[ITrackable](#)

Inherited Members

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

Extension Methods

[ITrackableExtensions.SetCreateBySystem<T>\(T, Instant\)](#) ,
[ITrackableExtensions.SetCreateBy<T>\(T, string, Instant\)](#) ,
[ITrackableExtensions.SetDeleteBySystem<T>\(T, Instant\)](#) ,
[ITrackableExtensions.SetDeleteBy<T>\(T, string, Instant\)](#) ,
[ITrackableExtensions.SetModifyBySystem<T>\(T, Instant\)](#) ,
[ITrackableExtensions.SetModifyBy<T>\(T, string, Instant\)](#).

Properties

Annotation

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

Property Value

[string](#)

Author

```
public ApplicationUser Author { get; set; }
```

Property Value

[ApplicationUser](#)

AuthorId

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

Property Value

[Guid](#)

CreatedAt

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

Property Value

[Instant](#)

CreatedBy

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

Property Value

[string](#)

DeletedAt

```
public Instant? DeletedAt { get; set; }
```

Property Value

[Instant](#)?

DeletedBy

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

Property Value

[string](#)

Heading

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

Property Value

[string](#)

Id

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

Property Value

[Guid](#)

ModifiedAt

```
public Instant ModifiedAt { get; set; }
```

Property Value

[Instant](#) ↗

ModifiedBy

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

Property Value

[string](#) ↗

PicturePath

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

Property Value

[string](#) ↗

Text

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

Property Value

[string](#) ↗

Class ArticleExtensions

Namespace: [Recycle.Data.Entities](#)

Assembly: Recycle.Data.dll

```
public static class ArticleExtensions
```

Inheritance

[object](#) ← ArticleExtensions

Inherited Members

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

Methods

FilterDeleted(IQueryable<Article>)

```
public static IQueryable<Article> FilterDeleted(this IQueryable<Article> query)
```

Parameters

query [IQueryable](#)<Article>

Returns

[IQueryable](#)<Article>

Class Email

Namespace: [Recycle.Data.Entities](#)

Assembly: Recycle.Data.dll

```
public class Email : ITrackable
```

Inheritance

[object](#) ← Email

Implements

[ITrackable](#)

Inherited Members

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

Extension Methods

[ITrackableExtensions.SetCreateBySystem<T>\(T, Instant\)](#) ,
[ITrackableExtensions.SetCreateBy<T>\(T, string, Instant\)](#) ,
[ITrackableExtensions.SetDeleteBySystem<T>\(T, Instant\)](#) ,
[ITrackableExtensions.SetDeleteBy<T>\(T, string, Instant\)](#) ,
[ITrackableExtensions.SetModifyBySystem<T>\(T, Instant\)](#) ,
[ITrackableExtensions.SetModifyBy<T>\(T, string, Instant\)](#).

Properties

Body

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

Property Value

[string](#)

CreatedAt

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

Property Value

[Instant](#) ↗

CreatedBy

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

Property Value

[string](#) ↗

DeletedAt

```
public Instant? DeletedAt { get; set; }
```

Property Value

[Instant](#) ↗?

DeletedBy

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

Property Value

[string](#) ↗

Id

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

Property Value

[Guid](#) ↗

ModifiedAt

```
public Instant ModifiedAt { get; set; }
```

Property Value

[Instant](#) ↗

ModifiedBy

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

Property Value

[string](#) ↗

Receiver

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

Property Value

[string](#) ↗

ScheduledAt

```
public Instant ScheduledAt { get; set; }
```

Property Value

[Instant](#) ↗

Sender

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

Property Value

[string](#) ↗

SentAt

```
public Instant? SentAt { get; set; }
```

Property Value

[Instant](#) ↗?

Subject

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

Property Value

[string](#) ↗

Class Location

Namespace: [Recycle.Data.Entities](#)

Assembly: Recycle.Data.dll

```
public class Location : ITrackable
```

Inheritance

[object](#) ← Location

Implements

[ITrackable](#)

Inherited Members

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

Extension Methods

[ITrackableExtensions.SetCreateBySystem<T>\(T, Instant\)](#) ,
[ITrackableExtensions.SetCreateBy<T>\(T, string, Instant\)](#) ,
[ITrackableExtensions.SetDeleteBySystem<T>\(T, Instant\)](#) ,
[ITrackableExtensions.SetDeleteBy<T>\(T, string, Instant\)](#) ,
[ITrackableExtensions.SetModifyBySystem<T>\(T, Instant\)](#) ,
[ITrackableExtensions.SetModifyBy<T>\(T, string, Instant\)](#).

Properties

CreatedAt

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

Property Value

[Instant](#)

CreatedBy

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

Property Value

[string](#) ↗

DeletedAt

```
public Instant? DeletedAt { get; set; }
```

Property Value

[Instant](#) ↗?

DeletedBy

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

Property Value

[string](#) ↗

Id

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

Property Value

[Guid](#) ↗

ModifiedAt

```
public Instant ModifiedAt { get; set; }
```

Property Value

[Instant](#)

ModifiedBy

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

Property Value

[string](#)

Name

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

Property Value

[string](#)

TrashCanMaterialLocations

```
public ICollection<TrashCanMaterialLocation> TrashCanMaterialLocations { get; set; }
```

Property Value

[ICollection](#) <[TrashCanMaterialLocation](#)>

Class LocationExtentions

Namespace: [Recycle.Data.Entities](#)

Assembly: Recycle.Data.dll

```
public static class LocationExtentions
```

Inheritance

[object](#) ← LocationExtentions

Inherited Members

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

Methods

FilterDeleted(IQueryable<Location>)

```
public static IQueryable<Location> FilterDeleted(this IQueryable<Location> query)
```

Parameters

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

Returns

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

Class Material

Namespace: [Recycle.Data.Entities](#)

Assembly: Recycle.Data.dll

```
public class Material : ITrackable
```

Inheritance

[object](#) ← Material

Implements

[ITrackable](#)

Inherited Members

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

Extension Methods

[ITrackableExtensions.SetCreateBySystem<T>\(T, Instant\)](#) ,
[ITrackableExtensions.SetCreateBy<T>\(T, string, Instant\)](#) ,
[ITrackableExtensions.SetDeleteBySystem<T>\(T, Instant\)](#) ,
[ITrackableExtensions.SetDeleteBy<T>\(T, string, Instant\)](#) ,
[ITrackableExtensions.SetModifyBySystem<T>\(T, Instant\)](#) ,
[ITrackableExtensions.SetModifyBy<T>\(T, string, Instant\)](#).

Properties

CreatedAt

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

Property Value

[Instant](#)

CreatedBy

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

Property Value

[string](#) ↗

DeletedAt

```
public Instant? DeletedAt { get; set; }
```

Property Value

[Instant](#) ↗?

DeletedBy

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

Property Value

[string](#) ↗

Description

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

Property Value

[string](#) ↗

Id

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

Property Value

[Guid](#)

ModifiedAt

```
public Instant ModifiedAt { get; set; }
```

Property Value

[Instant](#)

ModifiedBy

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

Property Value

[string](#)

Name

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

Property Value

[string](#)

PartMaterials

```
public ICollection<PartMaterial> PartMaterials { get; set; }
```

Property Value

[ICollection](#) <[PartMaterial](#)>

TrashCanMaterialLocations

```
public ICollection<TrashCanMaterialLocation> TrashCanMaterialLocations { get; set; }
```

Property Value

[ICollection](#) <[TrashCanMaterialLocation](#)>

Class MaterialExtentions

Namespace: [Recycle.Data.Entities](#)

Assembly: Recycle.Data.dll

```
public static class MaterialExtentions
```

Inheritance

[object](#) ← MaterialExtentions

Inherited Members

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

Methods

FilterDeleted(IQueryable<Material>)

```
public static IQueryable<Material> FilterDeleted(this IQueryable<Material> query)
```

Parameters

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

Returns

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

Class Part

Namespace: [Recycle.Data.Entities](#)

Assembly: Recycle.Data.dll

```
public class Part : ITrackable
```

Inheritance

[object](#) ← Part

Implements

[ITrackable](#)

Inherited Members

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

Extension Methods

[ITrackableExtensions.SetCreateBySystem<T>\(T, Instant\)](#) ,
[ITrackableExtensions.SetCreateBy<T>\(T, string, Instant\)](#) ,
[ITrackableExtensions.SetDeleteBySystem<T>\(T, Instant\)](#) ,
[ITrackableExtensions.SetDeleteBy<T>\(T, string, Instant\)](#) ,
[ITrackableExtensions.SetModifyBySystem<T>\(T, Instant\)](#) ,
[ITrackableExtensions.SetModifyBy<T>\(T, string, Instant\)](#).

Properties

CreatedAt

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

Property Value

[Instant](#)

CreatedBy

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

Property Value

[string](#) ↗

DeletedAt

```
public Instant? DeletedAt { get; set; }
```

Property Value

[Instant](#) ↗?

DeletedBy

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

Property Value

[string](#) ↗

Description

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

Property Value

[string](#) ↗

Id

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

Property Value

[Guid](#) ↗

IsVerified

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

Property Value

[bool](#) ↗

ModifiedAt

```
public Instant ModifiedAt { get; set; }
```

Property Value

[Instant](#) ↗

ModifiedBy

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

Property Value

[string](#) ↗

Name

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

Property Value

[string](#)

PartMaterials

```
public ICollection<PartMaterial> PartMaterials { get; set; }
```

Property Value

[ICollection](#) <[PartMaterial](#)>

PicturePath

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

Property Value

[string](#)

ProductParts

```
public ICollection<ProductPart> ProductParts { get; set; }
```

Property Value

[ICollection](#) <[ProductPart](#)>

Type

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

Property Value

[PartType](#)

Class PartExtentions

Namespace: [Recycle.Data.Entities](#)

Assembly: Recycle.Data.dll

```
public static class PartExtentions
```

Inheritance

[object](#) ← PartExtentions

Inherited Members

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

Methods

FilterDeleted(IQueryable<Part>)

```
public static IQueryable<Part> FilterDeleted(this IQueryable<Part> query)
```

Parameters

query [IQueryable](#)<Part>

Returns

[IQueryable](#)<Part>

Class PartMaterial

Namespace: [Recycle.Data.Entities](#)

Assembly: Recycle.Data.dll

```
public class PartMaterial
```

Inheritance

[object](#) ← PartMaterial

Inherited Members

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

Properties

Id

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

Property Value

[Guid](#)

Material

```
public Material Material { get; set; }
```

Property Value

[Material](#)

MaterialId

```
public Guid MaterialId { get; set; }
```

Property Value

[Guid](#) ↗

Part

```
public Part Part { get; set; }
```

Property Value

[Part](#)

PartId

```
public Guid PartId { get; set; }
```

Property Value

[Guid](#) ↗

Enum PartType

Namespace: [Recycle.Data.Entities](#)

Assembly: Recycle.Data.dll

```
public enum PartType
```

Fields

Part = 2

Wrapping = 1

Class Product

Namespace: [Recycle.Data.Entities](#)

Assembly: Recycle.Data.dll

```
public class Product : ITrackable
```

Inheritance

[object](#) ← Product

Implements

[ITrackable](#)

Inherited Members

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

Extension Methods

[ITrackableExtensions.SetCreateBySystem<T>\(T, Instant\)](#) ,
[ITrackableExtensions.SetCreateBy<T>\(T, string, Instant\)](#) ,
[ITrackableExtensions.SetDeleteBySystem<T>\(T, Instant\)](#) ,
[ITrackableExtensions.SetDeleteBy<T>\(T, string, Instant\)](#) ,
[ITrackableExtensions.SetModifyBySystem<T>\(T, Instant\)](#) ,
[ITrackableExtensions.SetModifyBy<T>\(T, string, Instant\)](#).

Properties

CreatedAt

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

Property Value

[Instant](#)

CreatedBy

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

Property Value

[string](#) ↗

DeletedAt

```
public Instant? DeletedAt { get; set; }
```

Property Value

[Instant](#) ↗?

DeletedBy

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

Property Value

[string](#) ↗

Description

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

Property Value

[string](#) ↗

EAN

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

Property Value

[string](#)

Id

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

Property Value

[Guid](#)

IsVerified

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

Property Value

[bool](#)

ModifiedAt

```
public Instant ModifiedAt { get; set; }
```

Property Value

[Instant](#)

ModifiedBy

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

Property Value

[string](#)

Name

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

Property Value

[string](#)

PicturePath

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

Property Value

[string](#)

ProductParts

```
public ICollection<ProductPart> ProductParts { get; set; }
```

Property Value

[ICollection](#)<[ProductPart](#)>

Class ProductExtentions

Namespace: [Recycle.Data.Entities](#)

Assembly: Recycle.Data.dll

```
public static class ProductExtentions
```

Inheritance

[object](#) ← ProductExtentions

Inherited Members

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

Methods

FilterDeleted(IQueryable<Product>)

```
public static IQueryable<Product> FilterDeleted(this IQueryable<Product> query)
```

Parameters

query [IQueryable](#)<Product>

Returns

[IQueryable](#)<Product>

Class ProductPart

Namespace: [Recycle.Data.Entities](#)

Assembly: Recycle.Data.dll

```
public class ProductPart
```

Inheritance

[object](#) ← ProductPart

Inherited Members

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

Properties

Id

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

Property Value

[Guid](#)

Part

```
public Part Part { get; set; }
```

Property Value

[Part](#)

PartId

```
public Guid PartId { get; set; }
```

Property Value

[Guid](#) ↗

Product

```
public Product Product { get; set; }
```

Property Value

[Product](#)

ProductId

```
public Guid ProductId { get; set; }
```

Property Value

[Guid](#) ↗

Class TrashCan

Namespace: [Recycle.Data.Entities](#)

Assembly: Recycle.Data.dll

```
public class TrashCan : ITrackable
```

Inheritance

[object](#) ← TrashCan

Implements

[ITrackable](#)

Inherited Members

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

Extension Methods

[ITrackableExtensions.SetCreateBySystem<T>\(T, Instant\)](#) ,
[ITrackableExtensions.SetCreateBy<T>\(T, string, Instant\)](#) ,
[ITrackableExtensions.SetDeleteBySystem<T>\(T, Instant\)](#) ,
[ITrackableExtensions.SetDeleteBy<T>\(T, string, Instant\)](#) ,
[ITrackableExtensions.SetModifyBySystem<T>\(T, Instant\)](#) ,
[ITrackableExtensions.SetModifyBy<T>\(T, string, Instant\)](#).

Properties

CreatedAt

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

Property Value

[Instant](#)

CreatedBy

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

Property Value

[string](#) ↗

DeletedAt

```
public Instant? DeletedAt { get; set; }
```

Property Value

[Instant](#) ↗?

DeletedBy

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

Property Value

[string](#) ↗

Description

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

Property Value

[string](#) ↗

Id

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

Property Value

[Guid](#) ↗

ModifiedAt

```
public Instant ModifiedAt { get; set; }
```

Property Value

[Instant](#) ↗

ModifiedBy

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

Property Value

[string](#) ↗

Name

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

Property Value

[string](#) ↗

PicturePath

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

Property Value

[string](#)

TrashCanMaterialLocations

```
public ICollection<TrashCanMaterialLocation> TrashCanMaterialLocations { get; set; }
```

Property Value

[ICollection](#) <[TrashCanMaterialLocation](#)>

Type

```
public TrashCan.TrashCanType Type { get; set; }
```

Property Value

[TrashCan.TrashCanType](#)

Enum TrashCan.TrashCanType

Namespace: [Recycle.Data.Entities](#)

Assembly: Recycle.Data.dll

```
public enum TrashCan.TrashCanType
```

Fields

Bio = 6

Cartons = 4

CommunalTrash = 7

Electronics = 5

Glass = 3

Metal = 8

Paper = 2

Plastic = 1

Textile = 9

Class TrashCanExtentions

Namespace: [Recycle.Data.Entities](#)

Assembly: Recycle.Data.dll

```
public static class TrashCanExtentions
```

Inheritance

[object](#) ← TrashCanExtentions

Inherited Members

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

Methods

FilterDeleted(IQueryable<TrashCan>)

```
public static IQueryable<TrashCan> FilterDeleted(this IQueryable<TrashCan> query)
```

Parameters

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

Returns

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

Class TrashCanMaterialLocation

Namespace: [Recycle.Data.Entities](#)

Assembly: Recycle.Data.dll

```
public class TrashCanMaterialLocation
```

Inheritance

[object](#) ← TrashCanMaterialLocation

Inherited Members

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

Properties

Id

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

Property Value

[Guid](#)

Location

```
public Location Location { get; set; }
```

Property Value

[Location](#)

LocationId

```
public Guid LocationId { get; set; }
```

Property Value

[Guid](#) ↗

Material

```
public Material Material { get; set; }
```

Property Value

[Material](#)

MaterialId

```
public Guid MaterialId { get; set; }
```

Property Value

[Guid](#) ↗

TrashCan

```
public TrashCan TrashCan { get; set; }
```

Property Value

[TrashCan](#)

TrashCanId

```
public Guid TrashCanId { get; set; }
```

Property Value

[Guid](#) ↗

Namespace Recycle.Data.Entities.Identity

Classes

[ApplicationUser](#)

[Role](#)

[UserRole](#)

Class ApplicationUser

Namespace: [Recycle.Data.Entities.Identity](#)

Assembly: Recycle.Data.dll

```
public class ApplicationUser : IdentityUser<Guid>, ITrackable
```

Inheritance

[object](#) ← [IdentityUser](#)<[Guid](#)> ← ApplicationUser

Implements

[ITrackable](#)

Inherited Members

[IdentityUser<Guid>.ToString\(\)](#) , [IdentityUser<Guid>.Id](#) , [IdentityUser<Guid>.UserName](#) ,
[IdentityUser<Guid>.NormalizedUserName](#) , [IdentityUser<Guid>.Email](#) ,
[IdentityUser<Guid>.NormalizedEmail](#) , [IdentityUser<Guid>.EmailConfirmed](#) ,
[IdentityUser<Guid>.PasswordHash](#) , [IdentityUser<Guid>.SecurityStamp](#) ,
[IdentityUser<Guid>.ConcurrencyStamp](#) , [IdentityUser<Guid>.PhoneNumberConfirmed](#) ,
[IdentityUser<Guid>.TwoFactorEnabled](#) , [IdentityUser<Guid>.LockoutEnd](#) ,
[IdentityUser<Guid>.LockoutEnabled](#) , [IdentityUser<Guid>.AccessFailedCount](#) ,
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#)

Extension Methods

[ITrackableExtensions.SetCreateBySystem<T>\(T, Instant\)](#) ,
[ITrackableExtensions.SetCreateBy<T>\(T, string, Instant\)](#) ,
[ITrackableExtensions.SetDeleteBySystem<T>\(T, Instant\)](#) ,
[ITrackableExtensions.SetDeleteBy<T>\(T, string, Instant\)](#) ,
[ITrackableExtensions.SetModifyBySystem<T>\(T, Instant\)](#) ,
[ITrackableExtensions.SetModifyBy<T>\(T, string, Instant\)](#).

Properties

Articles

```
public ICollection<Article> Articles { get; set; }
```

Property Value

[ICollection](#) <[Article](#)>

CreatedAt

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

Property Value

[Instant](#)

CreatedBy

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

Property Value

[string](#)

DateOfBirth

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

Property Value

[string](#)

DeletedAt

```
public Instant? DeletedAt { get; set; }
```

Property Value

[Instant](#)?

DeletedBy

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

Property Value

[string](#)

FirstName

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

Property Value

[string](#)

IsAdmin

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

Property Value

[bool](#)

LastName

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

Property Value

[string](#)

ModifiedAt

```
public Instant ModifiedAt { get; set; }
```

Property Value

[Instant](#)

ModifiedBy

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

Property Value

[string](#)

PhoneNumber

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

Property Value

[string](#)

Roles

```
public ICollection<UserRole> Roles { get; set; }
```

Property Value

[ICollection](#)<[UserRole](#)>

Class Role

Namespace: [Recycle.Data.Entities.Identity](#)

Assembly: Recycle.Data.dll

```
public class Role : IdentityRole<Guid>, ITrackable
```

Inheritance

[object](#) ← [IdentityRole](#)<[Guid](#)> ← Role

Implements

[ITrackable](#)

Inherited Members

[IdentityRole<Guid>.ToString\(\)](#) , [IdentityRole<Guid>.Name](#) , [IdentityRole<Guid>.Normalized Name](#) ,
[IdentityRole<Guid>.ConcurrencyStamp](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,
[object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) ,
[object.ReferenceEquals\(object, object\)](#)

Extension Methods

[ITrackableExtensions.SetCreateBySystem<T>\(T, Instant\)](#) ,
[ITrackableExtensions.SetCreateBy<T>\(T, string, Instant\)](#) ,
[ITrackableExtensions.SetDeleteBySystem<T>\(T, Instant\)](#) ,
[ITrackableExtensions.SetDeleteBy<T>\(T, string, Instant\)](#) ,
[ITrackableExtensions.SetModifyBySystem<T>\(T, Instant\)](#) ,
[ITrackableExtensions.SetModifyBy<T>\(T, string, Instant\)](#).

Properties

CreatedAt

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

Property Value

[Instant](#)

CreatedBy

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

Property Value

[string](#) ↗

DeletedAt

```
public Instant? DeletedAt { get; set; }
```

Property Value

[Instant](#) ↗?

DeletedBy

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

Property Value

[string](#) ↗

Id

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

Property Value

[Guid](#) ↗

IsVerified

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

Property Value

[bool](#)

ModifiedAt

```
public Instant ModifiedAt { get; set; }
```

Property Value

[Instant](#)

ModifiedBy

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

Property Value

[string](#)

RoleName

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

Property Value

[string](#)

UserRoles

```
public ICollection<UserRole> UserRoles { get; set; }
```

Property Value

[ICollection](#) <[UserRole](#)>

Class UserRole

Namespace: [Recycle.Data.Entities.Identity](#)

Assembly: Recycle.Data.dll

```
public class UserRole
```

Inheritance

[object](#) ← UserRole

Inherited Members

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

Properties

Id

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

Property Value

[Guid](#)

Role

```
public Role Role { get; set; }
```

Property Value

[Role](#)

RoleId

```
public Guid RoleId { get; set; }
```

Property Value

[Guid](#) ↗

User

```
public ApplicationUser User { get; set; }
```

Property Value

[ApplicationUser](#)

UserId

```
public Guid UserId { get; set; }
```

Property Value

[Guid](#) ↗

Namespace Recycle.Data.Interfaces

Classes

[ITrackableExtensions](#)

Interfaces

[ITrackable](#)

Interface ITrackable

Namespace: [Recycle.Data.Interfaces](#)

Assembly: Recycle.Data.dll

```
public interface ITrackable
```

Extension Methods

[ITrackableExtensions.SetCreateBySystem<T>\(T, Instant\)](#) ,
[ITrackableExtensions.SetCreateBy<T>\(T, string, Instant\)](#) ,
[ITrackableExtensions.SetDeleteBySystem<T>\(T, Instant\)](#) ,
[ITrackableExtensions.SetDeleteBy<T>\(T, string, Instant\)](#) ,
[ITrackableExtensions.SetModifyBySystem<T>\(T, Instant\)](#) ,
[ITrackableExtensions.SetModifyBy<T>\(T, string, Instant\)](#).

Properties

CreatedAt

```
Instant CreatedAt { get; set; }
```

Property Value

[Instant](#) ↗

CreatedBy

```
string CreatedBy { get; set; }
```

Property Value

[string](#) ↗

DeletedAt

```
Instant? DeletedAt { get; set; }
```

Property Value

[Instant](#)?

DeletedBy

```
string? DeletedBy { get; set; }
```

Property Value

[string](#)

ModifiedAt

```
Instant ModifiedAt { get; set; }
```

Property Value

[Instant](#)

ModifiedBy

```
string ModifiedBy { get; set; }
```

Property Value

[string](#)

Class ITrackableExtensions

Namespace: [Recycle.Data.Interfaces](#)

Assembly: Recycle.Data.dll

```
public static class ITrackableExtensions
```

Inheritance

[object](#) ← ITrackableExtensions

Inherited Members

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

Methods

SetCreateBySystem<T>(T, Instant)

```
public static T SetCreateBySystem<T>(this T trackable, Instant now) where T :  
class, ITrackable
```

Parameters

trackable T

now [Instant](#)

Returns

T

Type Parameters

T

SetCreateBy<T>(T, string, Instant)

```
public static T SetCreateBy<T>(this T trackable, string author, Instant now) where T :  
class, ITrackable
```

Parameters

trackable T

author [string](#)

now [Instant](#)

Returns

T

Type Parameters

T

SetDeleteBySystem<T>(T, Instant)

```
public static T SetDeleteBySystem<T>(this T trackable, Instant now) where T :  
class, ITrackable
```

Parameters

trackable T

now [Instant](#)

Returns

T

Type Parameters

T

SetDeleteBy<T>(T, string, Instant)

```
public static T SetDeleteBy<T>(this T trackable, string author, Instant now) where T :  
    class, ITrackable
```

Parameters

trackable T

author [string](#)

now [Instant](#)

Returns

T

Type Parameters

T

SetModifyBySystem<T>(T, Instant)

```
public static T SetModifyBySystem<T>(this T trackable, Instant now) where T :  
    class, ITrackable
```

Parameters

trackable T

now [Instant](#)

Returns

T

Type Parameters

T

SetModifyBy<T>(T, string, Instant)

```
public static T SetModifyBy<T>(this T trackable, string author, Instant now) where T :  
    class, ITrackable
```

Parameters

trackable T

author [string](#)

now [Instant](#)

Returns

T

Type Parameters

T

Namespace Recycle.Data.Migrations

Classes

[ConectionTables](#)

A base class inherited by each EF Core migration.

[Int](#)

A base class inherited by each EF Core migration.

[RegionsRemoved](#)

A base class inherited by each EF Core migration.

[RegisterModel](#)

A base class inherited by each EF Core migration.

[TokenGenetaring](#)

A base class inherited by each EF Core migration.

[userChangetNotNullable](#)

A base class inherited by each EF Core migration.

[userDeletedProperty](#)

A base class inherited by each EF Core migration.

Class ConecctionTables

Namespace: [Recycle.Data.Migrations](#)

Assembly: Recycle.Data.dll

A base class inherited by each EF Core migration.

```
[DbContext(typeof(AppDbContext))]
[Migration("20241218105938_ConecctionTables")]
public class ConecctionTables : Migration
```

Inheritance

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

Inherited Members

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

Remarks

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

Methods

BuildTargetModel(ModelBuilder)

Implemented to build the [TargetModel](#).

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

Parameters

`modelBuilder` [ModelBuilder](#)

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

Remarks

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

Down(MigrationBuilder)

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

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

Parameters

`migrationBuilder` [MigrationBuilder](#)

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

Remarks

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

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

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

Up(MigrationBuilder)

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

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

Parameters

`migrationBuilder` [MigrationBuilder](#)

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

Remarks

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

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

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

Class Int

Namespace: [Recycle.Data.Migrations](#)

Assembly: Recycle.Data.dll

A base class inherited by each EF Core migration.

```
[DbContext(typeof(AppDbContext))]
[Migration("20241204100758_Int")]
public class Int : Migration
```

Inheritance

[object](#) ← [Migration](#) ← Int

Inherited Members

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

Remarks

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

Methods

BuildTargetModel(ModelBuilder)

Implemented to build the [TargetModel](#).

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

Parameters

`modelBuilder` [ModelBuilder](#)

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

Remarks

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

Down(MigrationBuilder)

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

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

Parameters

`migrationBuilder` [MigrationBuilder](#)

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

Remarks

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

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

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

Up(MigrationBuilder)

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

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

Parameters

`migrationBuilder` [MigrationBuilder](#)

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

Remarks

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

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

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

Class RegionsRemoved

Namespace: [Recycle.Data.Migrations](#)

Assembly: Recycle.Data.dll

A base class inherited by each EF Core migration.

```
[DbContext(typeof(AppDbContext))]
[Migration("20241219111518_RegionsRemoved")]
public class RegionsRemoved : Migration
```

Inheritance

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

Inherited Members

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

Remarks

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

Methods

BuildTargetModel(ModelBuilder)

Implemented to build the [TargetModel](#).

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

Parameters

`modelBuilder` [ModelBuilder](#)

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

Remarks

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

Down(MigrationBuilder)

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

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

Parameters

`migrationBuilder` [MigrationBuilder](#)

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

Remarks

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

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

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

Up(MigrationBuilder)

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

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

Parameters

`migrationBuilder` [MigrationBuilder](#)

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

Remarks

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

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

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

Class RegisterModel

Namespace: [Recycle.Data.Migrations](#)

Assembly: Recycle.Data.dll

A base class inherited by each EF Core migration.

```
[DbContext(typeof(AppDbContext))]
[Migration("20241211102745_RegisterModel")]
public class RegisterModel : Migration
```

Inheritance

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

Inherited Members

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

Remarks

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

Methods

BuildTargetModel(ModelBuilder)

Implemented to build the [TargetModel](#).

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

Parameters

`modelBuilder` [ModelBuilder](#)

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

Remarks

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

Down(MigrationBuilder)

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

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

Parameters

`migrationBuilder` [MigrationBuilder](#)

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

Remarks

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

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

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

Up(MigrationBuilder)

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

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

Parameters

`migrationBuilder` [MigrationBuilder](#)

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

Remarks

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

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

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

Class TokenGenetaring

Namespace: [Recycle.Data.Migrations](#)

Assembly: Recycle.Data.dll

A base class inherited by each EF Core migration.

```
[DbContext(typeof(AppDbContext))]
[Migration("2024121115243_TokenGenetaring")]
public class TokenGenetaring : Migration
```

Inheritance

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

Inherited Members

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

Remarks

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

Methods

BuildTargetModel(ModelBuilder)

Implemented to build the [TargetModel](#).

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

Parameters

`modelBuilder` [ModelBuilder](#)

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

Remarks

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

Down(MigrationBuilder)

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

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

Parameters

`migrationBuilder` [MigrationBuilder](#)

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

Remarks

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

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

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

Up(MigrationBuilder)

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

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

Parameters

`migrationBuilder` [MigrationBuilder](#)

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

Remarks

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

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

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

Class userChangetNotNullable

Namespace: [Recycle.Data.Migrations](#)

Assembly: Recycle.Data.dll

A base class inherited by each EF Core migration.

```
[DbContext(typeof(AppDbContext))]
[Migration("20241211095022_userChangetNotNullable")]
public class userChangetNotNullable : Migration
```

Inheritance

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

Inherited Members

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

Remarks

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

Methods

BuildTargetModel(ModelBuilder)

Implemented to build the [TargetModel](#).

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

Parameters

`modelBuilder` [ModelBuilder](#)

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

Remarks

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

Down(MigrationBuilder)

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

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

Parameters

`migrationBuilder` [MigrationBuilder](#)

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

Remarks

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

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

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

Up(MigrationBuilder)

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

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

Parameters

`migrationBuilder` [MigrationBuilder](#)

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

Remarks

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

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

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

Class userDeletedProperty

Namespace: [Recycle.Data.Migrations](#)

Assembly: Recycle.Data.dll

A base class inherited by each EF Core migration.

```
[DbContext(typeof(AppDbContext))]
[Migration("20241211094533_userDeletedProperty")]
public class userDeletedProperty : Migration
```

Inheritance

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

Inherited Members

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

Remarks

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

Methods

BuildTargetModel(ModelBuilder)

Implemented to build the [TargetModel](#).

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

Parameters

`modelBuilder` [ModelBuilder](#)

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

Remarks

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

Down(MigrationBuilder)

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

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

Parameters

`migrationBuilder` [MigrationBuilder](#)

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

Remarks

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

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

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

Up(MigrationBuilder)

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

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

Parameters

`migrationBuilder` [MigrationBuilder](#)

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

Remarks

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

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

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