

# 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\(string, object\)](#) ,  
[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

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)

Creates a new article by checking if the article heading already exists, and then saving the new article to the database.

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

### Parameters

**model** [ArticleCreateModel](#)

The details of the article to be created, including heading, annotation, and picture path.

### Returns

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

Returns 201 (Created) with the URL to the new article if successful, or 400 (Bad Request) with an error if the article with the same heading already exists.

## DeleteArticle(Guid)

Deletes an article by setting it as deleted in the database (soft delete).

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

### Parameters

**id** [Guid](#)

The ID of the article to delete.

### Returns

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

Returns 204 (No Content) if the article is successfully deleted, or 404 (Not Found) if the article does not exist.

## Get(Guid)

Retrieves the details of a specific article by its ID, including author information, and ensures that the article is not deleted.

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

### Parameters

**id** [Guid](#)

The ID of the article to retrieve.

### Returns

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

Returns 200 (OK) with the article details if found, or 404 (Not Found) if the article does not exist.

## GetList()

Retrieves a list of all articles, including their author information, and filters out deleted articles.

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

### Returns

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

Returns 200 (OK) with a list of article details.

## Update(Guid, JsonPatchDocument<ArticleDetailModel>)

Updates an existing article's details (heading, annotation, picture path) by applying a patch. It also checks if the updated heading is unique before saving the changes.

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

## Parameters

### `id` [Guid](#)

The ID of the article to update.

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

The patch document containing the fields to update.

## Returns

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

Returns 200 (OK) with the updated article details if successful, or 404 (Not Found) if the article doesn't exist, or 400 (Bad Request) if there are validation errors.

# 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\(string, string, int?, string, string, ModelStateDictionary\)](#) ,  
 [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

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)

This method lets a user log in by checking their email and password. It also makes sure the email is confirmed before logging in.

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

### Parameters

**model** [LogInModel](#)

The user's email and password.

### Returns

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

If the login works, it returns 204 (No Content). If it fails, it shows an error message.

## Logout()

Logs the user out by ending their session.

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

### Returns

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

Returns 204 (No Content) when the logout is successful.

## Register(RegisterModel)

Handles user registration by creating a new user, validating the password, and sending an email confirmation link.

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

## Parameters

model [RegisterModel](#)

The user's registration details like name, email, and password.

## Returns

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

Returns 200 (OK) with the confirmation token if successful, or 400 (Bad Request) with errors if the registration fails.

## TestMeBeforeLoginAndAfter()

A test endpoint to check access before and after logging in.

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

## Returns

[ActionResult](#)

Returns 200 (OK) with a success message if the endpoint is reached.

## 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\(string\)](#) ,

[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

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\(string, object, string\)](#)  ,  
 [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

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\(string, string, object\)](#) ,  
[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

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\(string\)](#) ,  
[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

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>

## 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](#)

# 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](#) ↗

# 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.