Table of Contents

Namespace BusinessLayer.Products.Models

Classes

ProductDto

Модель добавления нового продукта

ProductResponseDto

Модель отображения продуктов в списке

Class ProductDto

Модель добавления нового продукта

Syntax

```
public class ProductDto
```

Properties

Description

Описание

Declaration

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

Property Value

TYPE	DESCRIPTION
System.String	

Name

Наименование

Declaration

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

Property Value

TYPE	DESCRIPTION
System.String	

Class ProductResponseDto

Модель отображения продуктов в списке

Syntax

```
public class ProductResponseDto
```

Properties

CreatedDate

Дата добавления

Declaration

```
public DateTimeOffset CreatedDate { get; set; }
```

Property Value

TYPE	DESCRIPTION
DateTimeOffset	

Description

Описание

Declaration

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

Property Value

TYPE	DESCRIPTION
System.String	

Name

Наименование

Declaration

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

Property Value

TYPE	DESCRIPTION
System.String	

Property Value

TYPE	DESCRIPTION
System.String	

Namespace BusinessLayer.Products.Services

Classes

ProductService

Interfaces

IProductService

Interface IProductService

Namespace:
Assembly: BusinessLayer.dll

Syntax

```
public interface IProductService
```

Methods

AddNew(ProductDto)

Declaration

```
Task AddNew(ProductDto product)
```

Parameters

TYPE	NAME	DESCRIPTION
ProductDto	product	

Returns

TYPE	DESCRIPTION
Task	

GetAll()

Declaration

```
Task<List<ProductResponseDto>> GetAll()
```

Returns

TYPE	DESCRIPTION
Task<List<ProductResponseDto>>	

Class ProductService

Inheritance

System.Object

ProductService

Implements

IProductService

Inherited Members

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.ToString()

Namespace: BusinessLayer.Products.Services

Assembly: BusinessLayer.dll

Syntax

```
public class ProductService : IProductService
```

Constructors

ProductService(IProductDataProvider)

Declaration

```
public ProductService(IProductDataProvider productDataProvider)
```

Parameters

TYPE	NAME	DESCRIPTION
IProductDataProvider	productDataProvider	

Methods

AddNew(ProductDto)

Declaration

```
public async Task AddNew(ProductDto product)
```

Parameters

TYPE	NAME	DESCRIPTION
ProductDto	product	

Returns

TYPE	DESCRIPTION
Task	

GetAll()

Declaration

```
public async Task<List<ProductResponseDto>> GetAll()
```

Returns

TYPE	DESCRIPTION
Task<List<ProductResponseDto>>	

Implements

[IProductService](#)

```
public async Task<List<ProductResponseDto>> GetAll()
```

Returns

TYPE	DESCRIPTION
Task<List<ProductResponseDto>>	

Namespace DataLayer.EF

Classes

[ApplicationDbContext](#)

Class ApplicationDbContext

Inheritance

System.Object

Microsoft.EntityFrameworkCore.DbContext

ApplicationDbContext

Implements

Microsoft.EntityFrameworkCore.Infrastructure.IInfrastructure<System.IServiceProvider>

Microsoft.EntityFrameworkCore.Internal.IDbContextDependencies

Microsoft.EntityFrameworkCore.Internal.IDbSetCache

Microsoft.EntityFrameworkCore.Internal.IDbContextPoolable

Microsoft.EntityFrameworkCore.Infrastructure.IResettableService

System.IDisposable

System.IAsyncDisposable

Inherited Members

Microsoft.EntityFrameworkCore.DbContext.Microsoft.EntityFrameworkCore.Internal.IDbSetCache.GetOrAddSet(Microsoft.EntityFrameworkCore.Internal.IDbSetSource, System.Type)

Microsoft.EntityFrameworkCore.DbContext.Microsoft.EntityFrameworkCore.Internal.IDbSetCache.GetOrAddSet(Microsoft.EntityFrameworkCore.Internal.IDbSetSource, System.String, System.Type)

Microsoft.EntityFrameworkCore.DbContext.Set<TEntity>()

Microsoft.EntityFrameworkCore.DbContext.Set<TEntity>(System.String)

Microsoft.EntityFrameworkCore.DbContext.OnConfiguring(Microsoft.EntityFrameworkCore.DbContextOptionsBuilder)

Microsoft.EntityFrameworkCore.DbContext.ConfigureConventions(Microsoft.EntityFrameworkCore.ModelConfigurationBuilder)

Microsoft.EntityFrameworkCore.DbContext.SaveChanges()

Microsoft.EntityFrameworkCore.DbContext.SaveChanges(System.Boolean)

Microsoft.EntityFrameworkCore.DbContext.SaveChangesAsync(System.Threading.CancellationToken)

Microsoft.EntityFrameworkCore.DbContext.SaveChangesAsync(System.Boolean, System.Threading.CancellationToken)

Microsoft.EntityFrameworkCore.DbContext.Microsoft.EntityFrameworkCore.Internal.IDbContextPoolable.ClearLease()

Microsoft.EntityFrameworkCore.DbContext.Microsoft.EntityFrameworkCore.Internal.IDbContextPoolable.SetLease(Microsoft.EntityFrameworkCore.Internal.DbContextLease)

Microsoft.EntityFrameworkCore.DbContext.Microsoft.EntityFrameworkCore.Internal.IDbContextPoolable.SetLeaseAsync(Microsoft.EntityFrameworkCore.Internal.DbContextLease, System.Threading.CancellationToken)

Microsoft.EntityFrameworkCore.DbContext.Microsoft.EntityFrameworkCore.Internal.IDbContextPoolable.SnapshotConfiguration()

Microsoft.EntityFrameworkCore.DbContext.Microsoft.EntityFrameworkCore.Infrastructure.IResettableService.ResetState()

Microsoft.EntityFrameworkCore.DbContext.Microsoft.EntityFrameworkCore.Infrastructure.IResettableService.ResetStateAsync(System.Threading.CancellationToken)

Microsoft.EntityFrameworkCore.DbContext.Dispose()

Microsoft.EntityFrameworkCore.DbContext.DisposeAsync()

Microsoft.EntityFrameworkCore.DbContext.Entry<TEntity>(TEntity)

Microsoft.EntityFrameworkCore.DbContext.Entry(System.Object)

Microsoft.EntityFrameworkCore.DbContext.Add<TEntity>(TEntity)

Microsoft.EntityFrameworkCore.DbContext.AddAsync<TEntity>(TEntity, System.Threading.CancellationToken)

Microsoft.EntityFrameworkCore.DbContext.Attach<TEntity>(TEntity)

Microsoft.EntityFrameworkCore.DbContext.Update<TEntity>(TEntity)

Microsoft.EntityFrameworkCore.DbContext.Remove<TEntity>(TEntity)

Microsoft.EntityFrameworkCore.DbContext.Add(System.Object)

Microsoft.EntityFrameworkCore.DbContext.AddAsync(System.Object, System.Threading.CancellationToken)

Microsoft.EntityFrameworkCore.DbContext.Attach(System.Object)

Microsoft.EntityFrameworkCore.DbContext.Update(System.Object)

Microsoft.EntityFrameworkCore.DbContext.Remove(System.Object)

Microsoft.EntityFrameworkCore.DbContext.AddRange(System.Object[])

Microsoft.EntityFrameworkCore.DbContext.AddRangeAsync(System.Object[])

Microsoft.EntityFrameworkCore.DbContext.AttachRange(System.Object[])

Microsoft.EntityFrameworkCore.DbContext.UpdateRange(System.Object[])

Microsoft.EntityFrameworkCore.DbContext.RemoveRange(System.Object[])

Microsoft.EntityFrameworkCore.DbContext.AddRange(System.Collections.Generic.IEnumerable<System.Object>)

Microsoft.EntityFrameworkCore.DbContext.AddRangeAsync(System.Collections.Generic.IEnumerable<System.Object>, System.Threading.CancellationToken)

Microsoft.EntityFrameworkCore.DbContext.AttachRange(System.Collections.Generic.IEnumerable<System.Object>)

Microsoft.EntityFrameworkCore.DbContext.UpdateRange(System.Collections.Generic.IEnumerable<System.Object>)

Microsoft.EntityFrameworkCore.DbContext.RemoveRange(System.Collections.Generic.IEnumerable<System.Object>)

Microsoft.EntityFrameworkCore.DbContext.Find(System.Type, System.Object[])

Microsoft.EntityFrameworkCore.DbContext.FindAsync(System.Type, System.Object[])

Microsoft.EntityFrameworkCore.DbContext.FindAsync(System.Type, System.Object[], System.Threading.CancellationToken)

Microsoft.EntityFrameworkCore.DbContext.Find<TEntity>(System.Object[])

Microsoft.EntityFrameworkCore.DbContext.FindAsync<TEntity>(System.Object[])

Microsoft.EntityFrameworkCore.DbContext.FindAsync<TEntity>(System.Object[], System.Threading.CancellationToken)

Microsoft.EntityFrameworkCore.DbContext.FromExpression<TResult>(System.Linq.Expressions.Expression<System.Func<System.Linq.IQueryable<TResult>>>)

Microsoft.EntityFrameworkCore.DbContext.Database

Microsoft.EntityFrameworkCore.DbContext.ChangeTracker

Microsoft.EntityFrameworkCore.DbContext.Model

Microsoft.EntityFrameworkCore.DbContext.ContextId

Microsoft.EntityFrameworkCore.DbContext.Microsoft.EntityFrameworkCore.Internal.IDbContextDependencies.SetSource

Microsoft.EntityFrameworkCore.DbContext.Microsoft.EntityFrameworkCore.Internal.IDbContextDependencies.EntityFinderFactory
Microsoft.EntityFrameworkCore.DbContext.Microsoft.EntityFrameworkCore.Internal.IDbContextDependencies.QueryProvider
Microsoft.EntityFrameworkCore.DbContext.Microsoft.EntityFrameworkCore.Internal.IDbContextDependencies.StateManager
Microsoft.EntityFrameworkCore.DbContext.Microsoft.EntityFrameworkCore.Internal.IDbContextDependencies.ChangeDetector
Microsoft.EntityFrameworkCore.DbContext.Microsoft.EntityFrameworkCore.Internal.IDbContextDependencies.EntityGraphAttacher
Microsoft.EntityFrameworkCore.DbContext.Microsoft.EntityFrameworkCore.Internal.IDbContextDependencies.UpdateLogger
Microsoft.EntityFrameworkCore.DbContext.Microsoft.EntityFrameworkCore.Internal.IDbContextDependencies.InfrastructureLogger
Microsoft.EntityFrameworkCore.DbContext.Microsoft.EntityFrameworkCore.Infrastructure.IInfrastructure<System.IServiceProvider>.Instance
Microsoft.EntityFrameworkCore.DbContext.SavingChanges
Microsoft.EntityFrameworkCore.DbContext.SavedChanges
Microsoft.EntityFrameworkCore.DbContext.SaveChangesFailed
System.Object.Equals(System.Object)
System.Object.Equals(System.Object, System.Object)
System.Object.GetHashCode()
System.Object.GetType()
System.Object.MemberwiseClone()
System.Object.ReferenceEquals(System.Object, System.Object)
System.Object.ToString()

Namespace: **DataLayer.EF**
Assembly: DataLayer.dll

Syntax

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

Constructors

ApplicationDbContext(DbContextOptions<ApplicationDbContext>)

Declaration

```
public ApplicationDbContext(DbContextOptions<ApplicationDbContext> options)
```

Parameters

TYPE	NAME	DESCRIPTION
Microsoft.EntityFrameworkCore.DbContextOptions<ApplicationDbContext>	options	

Properties

Products

Declaration

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

Property Value

TYPE	DESCRIPTION
Microsoft.EntityFrameworkCore.DbSet<Product>	

Methods

OnModelCreating(ModelBuilder)

Declaration

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

Parameters

TYPE	NAME	DESCRIPTION
Microsoft.EntityFrameworkCore.ModelBuilder	builder	

Overrides

Microsoft.EntityFrameworkCore.DbContext.OnModelCreating(Microsoft.EntityFrameworkCore.ModelBuilder)

Implements

Microsoft.EntityFrameworkCore.Infrastructure.IInfrastructure<T>
Microsoft.EntityFrameworkCore.Internal.IDbContextDependencies
Microsoft.EntityFrameworkCore.Internal.IDbSetCache
Microsoft.EntityFrameworkCore.Internal.IDbContextPoolable
Microsoft.EntityFrameworkCore.Infrastructure.IResettableService
System.IDisposable
System.IAsyncDisposable

Namespace DataLayer.EF.Configs

Classes

[ProductConfiguration](#)

Class ProductConfiguration

Syntax

```
public class ProductConfiguration : IEntityTypeConfiguration<Product>
```

Methods

Configure(EntityTypeBuilder<Product>)

Declaration

```
public void Configure(EntityTypeBuilder<Product> builder)
```

Parameters

TYPE	NAME	DESCRIPTION
Microsoft.EntityFrameworkCore.Metadata.Builders.EntityTypeBuilder<Product>	builder	

Implements

Microsoft.EntityFrameworkCore.IEntityTypeConfiguration<TEntity>

Namespace DataLayer.Migrations

Classes

[Init](#)

Class Init

Syntax

```
[DbContext(typeof(ApplicationDbContext))]
[Migration("20220411140347_Init")]
public class Init : Migration
```

Methods

BuildTargetModel(ModelBuilder)

Declaration

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

Parameters

TYPE	NAME	DESCRIPTION
Microsoft.EntityFrameworkCore.ModelBuilder	modelBuilder	

Overrides

Microsoft.EntityFrameworkCore.Migrations.Migration.BuildTargetModel(Microsoft.EntityFrameworkCore.ModelBuilder)

Down(MigrationBuilder)

Declaration

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

Parameters

TYPE	NAME	DESCRIPTION
Microsoft.EntityFrameworkCore.Migrations.MigrationBuilder	migrationBuilder	

Overrides

Microsoft.EntityFrameworkCore.Migrations.Migration.Down(Microsoft.EntityFrameworkCore.Migrations.MigrationBuilder)

Up(MigrationBuilder)

Declaration

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

Parameters

TYPE	NAME	DESCRIPTION
Microsoft.EntityFrameworkCore.Migrations.MigrationBuilder	migrationBuilder	

Overrides

Microsoft.EntityFrameworkCore.Migrations.Migration.Up(Microsoft.EntityFrameworkCore.Migrations.MigrationBuilder)

protected override void Up(MigrationBuilder migrationBuilder)

Namespace DataLayer.Products.DataProvider

Classes

ProductDataProvider

Interfaces

IProductDataProvider

Interface IProductDataProvider

Namespace: DataLayer.Products.DataProvider

Assembly: DataLayer.dll

Syntax

```
public interface IProductDataProvider
```

Methods

GetAll()

Declaration

```
Task<List<Product>> GetAll()
```

Returns

TYPE	DESCRIPTION
Task<List<Product>>	

SaveNew(Product)

Declaration

```
Task SaveNew(Product product)
```

Parameters

TYPE	NAME	DESCRIPTION
Product	product	

Returns

TYPE	DESCRIPTION
Task	

Class ProductDataProvider

Inheritance

System.Object

ProductDataProvider

Implements

IProductDataProvider

Inherited Members

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.ToString()

Namespace: **DataLayer.Products.DataProvider**

Assembly: DataLayer.dll

Syntax

```
public class ProductDataProvider : IProductDataProvider
```

Constructors

ProductDataProvider(ApplicationDbContext)

Declaration

```
public ProductDataProvider(ApplicationDbContext dbContext)
```

Parameters

TYPE	NAME	DESCRIPTION
ApplicationDbContext	dbContext	

Methods

GetAll()

Declaration

```
public async Task<List<Product>> GetAll()
```

Returns

TYPE	DESCRIPTION
Task<List<Product>>	

SaveNew(Product)

Declaration

```
public async Task SaveNew(Product product)
```

Parameters

TYPE	NAME	DESCRIPTION
Product	product	

Returns

TYPE	DESCRIPTION
Task	

Implements

[IProductDataProvider](#)

Namespace DataLayer.Products.Models

Classes

[Product](#)

Class Product

Inheritance

System.Object

Product

Inherited Members

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.ToString()

Namespace: DataLayer.Products.Models

Assembly: DataLayer.dll

Syntax

```
public class Product
```

Properties

CreatedDate

Declaration

```
public DateTimeOffset CreatedDate { get; set; }
```

Property Value

TYPE	DESCRIPTION
DateTimeOffset	

Description

Declaration

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

Property Value

TYPE	DESCRIPTION
System.String	

Id

Declaration

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

Property Value

TYPE	DESCRIPTION
System.Int64	

IsDeleted

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

Property Value

TYPE	DESCRIPTION
System.Boolean	

Name

Declaration

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

Property Value

TYPE	DESCRIPTION
System.String	

Namespace WebApi.Controllers

Classes

[ProductsController](#)

Контроллер управления продуктами

Class ProductsController

Контроллер управления продуктами

Inherited Members

Microsoft.AspNetCore.Mvc.ControllerBase.StatusCode(System.Int32)

Microsoft.AspNetCore.Mvc.ControllerBase.StatusCode(System.Int32, System.Object)

Microsoft.AspNetCore.Mvc.ControllerBase.Content(System.String)

Microsoft.AspNetCore.Mvc.ControllerBase.Content(System.String, System.String)

Microsoft.AspNetCore.Mvc.ControllerBase.Content(System.String, System.String, System.Text.Encoding)

Microsoft.AspNetCore.Mvc.ControllerBase.Content(System.String, Microsoft.Net.Http.Headers.MediaTypeHeaderValue)

Microsoft.AspNetCore.Mvc.ControllerBase.NoContent()

Microsoft.AspNetCore.Mvc.ControllerBase.Ok()

Microsoft.AspNetCore.Mvc.ControllerBase.Ok(System.Object)

Microsoft.AspNetCore.Mvc.ControllerBase.Redirect(System.String)

Microsoft.AspNetCore.Mvc.ControllerBase.RedirectPermanent(System.String)

Microsoft.AspNetCore.Mvc.ControllerBase.RedirectPreserveMethod(System.String)

Microsoft.AspNetCore.Mvc.ControllerBase.RedirectPermanentPreserveMethod(System.String)

Microsoft.AspNetCore.Mvc.ControllerBase.LocalRedirect(System.String)

Microsoft.AspNetCore.Mvc.ControllerBase.LocalRedirectPermanent(System.String)

Microsoft.AspNetCore.Mvc.ControllerBase.LocalRedirectPreserveMethod(System.String)

Microsoft.AspNetCore.Mvc.ControllerBase.LocalRedirectPermanentPreserveMethod(System.String)

Microsoft.AspNetCore.Mvc.ControllerBase.RedirectToAction()

Microsoft.AspNetCore.Mvc.ControllerBase.RedirectToAction(System.String)

Microsoft.AspNetCore.Mvc.ControllerBase.RedirectToAction(System.String, System.Object)

Microsoft.AspNetCore.Mvc.ControllerBase.RedirectToAction(System.String, System.String)

Microsoft.AspNetCore.Mvc.ControllerBase.RedirectToAction(System.String, System.String, System.Object)

Microsoft.AspNetCore.Mvc.ControllerBase.RedirectToAction(System.String, System.String, System.String)

Microsoft.AspNetCore.Mvc.ControllerBase.RedirectToAction(System.String, System.String, System.Object, System.String)

Microsoft.AspNetCore.Mvc.ControllerBase.RedirectToActionPreserveMethod(System.String, System.String, System.Object, System.String)

Microsoft.AspNetCore.Mvc.ControllerBase.RedirectToActionPermanent(System.String)

Microsoft.AspNetCore.Mvc.ControllerBase.RedirectToActionPermanent(System.String, System.Object)

Microsoft.AspNetCore.Mvc.ControllerBase.RedirectToActionPermanent(System.String, System.String)

Microsoft.AspNetCore.Mvc.ControllerBase.RedirectToActionPermanent(System.String, System.String, System.String)

Microsoft.AspNetCore.Mvc.ControllerBase.RedirectToActionPermanent(System.String, System.String, System.Object)

Microsoft.AspNetCore.Mvc.ControllerBase.RedirectToActionPermanent(System.String, System.String, System.Object, System.String)

Microsoft.AspNetCore.Mvc.ControllerBase.RedirectToActionPermanentPreserveMethod(System.String, System.String, System.Object, System.String)

Microsoft.AspNetCore.Mvc.ControllerBase.RedirectToRoute(System.String)

Microsoft.AspNetCore.Mvc.ControllerBase.RedirectToRoute(System.Object)

Microsoft.AspNetCore.Mvc.ControllerBase.RedirectToRoute(System.String, System.Object)

Microsoft.AspNetCore.Mvc.ControllerBase.RedirectToRoute(System.String, System.String)

Microsoft.AspNetCore.Mvc.ControllerBase.RedirectToRoute(System.String, System.Object, System.String)

Microsoft.AspNetCore.Mvc.ControllerBase.RedirectToRoutePreserveMethod(System.String, System.Object, System.String)

Microsoft.AspNetCore.Mvc.ControllerBase.RedirectToRoutePermanent(System.String)

Microsoft.AspNetCore.Mvc.ControllerBase.RedirectToRoutePermanent(System.Object)

Microsoft.AspNetCore.Mvc.ControllerBase.RedirectToRoutePermanent(System.String, System.Object)

Microsoft.AspNetCore.Mvc.ControllerBase.RedirectToRoutePermanent(System.String, System.String)

Microsoft.AspNetCore.Mvc.ControllerBase.RedirectToRoutePermanent(System.String, System.Object, System.String)

Microsoft.AspNetCore.Mvc.ControllerBase.RedirectToRoutePermanentPreserveMethod(System.String, System.Object, System.String)

Microsoft.AspNetCore.Mvc.ControllerBase.RedirectToPage(System.String)

Microsoft.AspNetCore.Mvc.ControllerBase.RedirectToPage(System.String, System.Object)

Microsoft.AspNetCore.Mvc.ControllerBase.RedirectToPage(System.String, System.String)

Microsoft.AspNetCore.Mvc.ControllerBase.RedirectToPage(System.String, System.String, System.Object)

Microsoft.AspNetCore.Mvc.ControllerBase.RedirectToPage(System.String, System.String, System.String)

Microsoft.AspNetCore.Mvc.ControllerBase.RedirectToPage(System.String, System.String, System.Object, System.String)

Microsoft.AspNetCore.Mvc.ControllerBase.RedirectToPagePermanent(System.String)

Microsoft.AspNetCore.Mvc.ControllerBase.RedirectToPagePermanent(System.String, System.Object)

Microsoft.AspNetCore.Mvc.ControllerBase.RedirectToPagePermanent(System.String, System.String)

Microsoft.AspNetCore.Mvc.ControllerBase.RedirectToPagePermanent(System.String, System.String, System.String)

Microsoft.AspNetCore.Mvc.ControllerBase.RedirectToPagePermanent(System.String, System.String, System.Object, System.String)

Microsoft.AspNetCore.Mvc.ControllerBase.RedirectToPagePreserveMethod(System.String, System.String, System.Object, System.String)

Microsoft.AspNetCore.Mvc.ControllerBase.RedirectToPagePermanentPreserveMethod(System.String, System.String, System.Object, System.String)

Microsoft.AspNetCore.Mvc.ControllerBase.File(System.Byte[], System.String)

Microsoft.AspNetCore.Mvc.ControllerBase.File(System.Byte[], System.String, System.Boolean)

Microsoft.AspNetCore.Mvc.ControllerBase.File(System.Byte[], System.String, System.String)

Microsoft.AspNetCore.Mvc.ControllerBase.File(System.Byte[], System.String, System.String, System.Boolean)

Microsoft.AspNetCore.Mvc.ControllerBase.File(System.Byte[], System.String, System.Nullable<System.DateTimeOffset>, Microsoft.Net.Http.Headers.EntityTagHeaderValue)

Microsoft.AspNetCore.Mvc.ControllerBase.File(System.Byte[], System.String, System.Nullable<System.DateTimeOffset>, Microsoft.Net.Http.Headers.EntityTagHeaderValue, System.Boolean)

Microsoft.AspNetCore.Mvc.ControllerBase.File(System.Byte[], System.String, System.String, System.Nullable<System.DateTimeOffset>, Microsoft.Net.Http.Headers.EntityTagHeaderValue)

Microsoft.AspNetCore.Mvc.ControllerBase.File(System.Byte[], System.String, System.String, System.Nullable<System.DateTimeOffset>, Microsoft.Net.Http.Headers.EntityTagHeaderValue, System.Boolean)

Microsoft.AspNetCore.Mvc.ControllerBase.File(System.IO.Stream, System.String)

Microsoft.AspNetCore.Mvc.ControllerBase.File(System.IO.Stream, System.String, System.Boolean)

Microsoft.AspNetCore.Mvc.ControllerBase.File(System.IO.Stream, System.String, System.String)

Microsoft.AspNetCore.Mvc.ControllerBase.File(System.IO.Stream, System.String, System.String, System.Boolean)

Microsoft.AspNetCore.Mvc.ControllerBase.File(System.IO.Stream, System.String, System.Nullable<System.DateTimeOffset>, Microsoft.Net.Http.Headers.EntityTagHeaderValue)

Microsoft.AspNetCore.Mvc.ControllerBase.File(System.IO.Stream, System.String, System.Nullable<System.DateTimeOffset>, Microsoft.Net.Http.Headers.EntityTagHeaderValue, System.Boolean)

Microsoft.AspNetCore.Mvc.ControllerBase.File(System.IO.Stream, System.String, System.String, System.Nullable<System.DateTimeOffset>, Microsoft.Net.Http.Headers.EntityTagHeaderValue)

Microsoft.AspNetCore.Mvc.ControllerBase.File(System.IO.Stream, System.String, System.String, System.Nullable<System.DateTimeOffset>, Microsoft.Net.Http.Headers.EntityTagHeaderValue, System.Boolean)

Microsoft.AspNetCore.Mvc.ControllerBase.File(System.String, System.String)

Microsoft.AspNetCore.Mvc.ControllerBase.File(System.String, System.String, System.Boolean)

Microsoft.AspNetCore.Mvc.ControllerBase.File(System.String, System.String, System.String)

Microsoft.AspNetCore.Mvc.ControllerBase.File(System.String, System.String, System.String, System.Boolean)

Microsoft.AspNetCore.Mvc.ControllerBase.File(System.String, System.String, System.Nullable<System.DateTimeOffset>, Microsoft.Net.Http.Headers.EntityTagHeaderValue)

Microsoft.AspNetCore.Mvc.ControllerBase.File(System.String, System.String, System.Nullable<System.DateTimeOffset>, Microsoft.Net.Http.Headers.EntityTagHeaderValue, System.Boolean)

Microsoft.AspNetCore.Mvc.ControllerBase.File(System.String, System.String, System.String, System.Nullable<System.DateTimeOffset>, Microsoft.Net.Http.Headers.EntityTagHeaderValue)

Microsoft.AspNetCore.Mvc.ControllerBase.File(System.String, System.String, System.String, System.Nullable<System.DateTimeOffset>, Microsoft.Net.Http.Headers.EntityTagHeaderValue, System.Boolean)

Microsoft.AspNetCore.Mvc.ControllerBase.PhysicalFile(System.String, System.String)

Microsoft.AspNetCore.Mvc.ControllerBase.PhysicalFile(System.String, System.String, System.Boolean)

Microsoft.AspNetCore.Mvc.ControllerBase.PhysicalFile(System.String, System.String, System.String)

Microsoft.AspNetCore.Mvc.ControllerBase.PhysicalFile(System.String, System.String, System.String, System.Boolean)

Microsoft.AspNetCore.Mvc.ControllerBase.PhysicalFile(System.String, System.String, System.Nullable<System.DateTimeOffset>, Microsoft.Net.Http.Headers.EntityTagHeaderValue)

Microsoft.AspNetCore.Mvc.ControllerBase.PhysicalFile(System.String, System.String, System.Nullable<System.DateTimeOffset>, Microsoft.Net.Http.Headers.EntityTagHeaderValue, System.Boolean)

Microsoft.AspNetCore.Mvc.ControllerBase.PhysicalFile(System.String, System.String, System.String, System.Nullable<System.DateTimeOffset>, Microsoft.Net.Http.Headers.EntityTagHeaderValue)

Microsoft.AspNetCore.Mvc.ControllerBase.PhysicalFile(System.String, System.String, System.String, System.Nullable<System.DateTimeOffset>, Microsoft.Net.Http.Headers.EntityTagHeaderValue, System.Boolean)

Microsoft.AspNetCore.Mvc.ControllerBase.Unauthorized()

Microsoft.AspNetCore.Mvc.ControllerBase.Unauthorized(System.Object)

Microsoft.AspNetCore.Mvc.ControllerBase.NotFound()

Microsoft.AspNetCore.Mvc.ControllerBase.NotFound(System.Object)

Microsoft.AspNetCore.Mvc.ControllerBase.BadRequest()

Microsoft.AspNetCore.Mvc.ControllerBase.BadRequest(System.Object)

Microsoft.AspNetCore.Mvc.ControllerBase.BadRequest(Microsoft.AspNetCore.Mvc.ModelBinding.ModelStateDictionary)

Microsoft.AspNetCore.Mvc.ControllerBase.UnprocessableEntity()

Microsoft.AspNetCore.Mvc.ControllerBase.UnprocessableEntity(System.Object)

Microsoft.AspNetCore.Mvc.ControllerBase.UnprocessableEntity(Microsoft.AspNetCore.Mvc.ModelBinding.ModelStateDictionary)

Microsoft.AspNetCore.Mvc.ControllerBase.Conflict()

Microsoft.AspNetCore.Mvc.ControllerBase.Conflict(System.Object)

Microsoft.AspNetCore.Mvc.ControllerBase.Conflict(Microsoft.AspNetCore.Mvc.ModelBinding.ModelStateDictionary)

Microsoft.AspNetCore.Mvc.ControllerBase.Problem(System.String, System.String, System.Nullable<System.Int32>, System.String, System.String)

Microsoft.AspNetCore.Mvc.ControllerBase.ValidationProblem(Microsoft.AspNetCore.Mvc.ValidationProblemDetails)

Microsoft.AspNetCore.Mvc.ControllerBase.ValidationProblem(Microsoft.AspNetCore.Mvc.ModelBinding.ModelStateDictionary)

Microsoft.AspNetCore.Mvc.ControllerBase.ValidationProblem()

Microsoft.AspNetCore.Mvc.ControllerBase.ValidationProblem(System.String, System.String, System.Nullable<System.Int32>, System.String, System.String, Microsoft.AspNetCore.Mvc.ModelBinding.ModelStateDictionary)

Microsoft.AspNetCore.Mvc.ControllerBase.Created(System.String, System.Object)

Microsoft.AspNetCore.Mvc.ControllerBase.Created(System.Uri, System.Object)

Microsoft.AspNetCore.Mvc.ControllerBase.CreatedAtAction(System.String, System.Object)

Microsoft.AspNetCore.Mvc.ControllerBase.CreatedAtAction(System.String, System.Object, System.Object)

Microsoft.AspNetCore.Mvc.ControllerBase.CreatedAtAction(System.String, System.String, System.Object, System.Object)

Microsoft.AspNetCore.Mvc.ControllerBase.CreatedAtRoute(System.String, System.Object)

Microsoft.AspNetCore.Mvc.ControllerBase.CreatedAtRoute(System.Object, System.Object)

Microsoft.AspNetCore.Mvc.ControllerBase.CreatedAtRoute(System.String, System.Object, System.Object)

Microsoft.AspNetCore.Mvc.ControllerBase.Accepted()

Microsoft.AspNetCore.Mvc.ControllerBase.Accepted(System.Object)

Microsoft.AspNetCore.Mvc.ControllerBase.Accepted(System.Uri)

Microsoft.AspNetCore.Mvc.ControllerBase.Accepted(System.String)

Microsoft.AspNetCore.Mvc.ControllerBase.Accepted(System.String, System.Object)

Microsoft.AspNetCore.Mvc.ControllerBase.Accepted(System.Uri, System.Object)

Microsoft.AspNetCore.Mvc.ControllerBase.AcceptedAtAction(System.String)

Microsoft.AspNetCore.Mvc.ControllerBase.AcceptedAtAction(System.String, System.String)

Microsoft.AspNetCore.Mvc.ControllerBase.AcceptedAtAction(System.String, System.Object)

Microsoft.AspNetCore.Mvc.ControllerBase.AcceptedAtAction(System.String, System.String, System.Object)

Microsoft.AspNetCore.Mvc.ControllerBase.AcceptedAtAction(System.String, System.Object, System.Object)

Microsoft.AspNetCore.Mvc.ControllerBase.AcceptedAtAction(System.String, System.String, System.Object, System.Object)

Microsoft.AspNetCore.Mvc.ControllerBase.AcceptedAtRoute(System.Object)

Microsoft.AspNetCore.Mvc.ControllerBase.AcceptedAtRoute(System.String)

Microsoft.AspNetCore.Mvc.ControllerBase.AcceptedAtRoute(System.String, System.Object)

Microsoft.AspNetCore.Mvc.ControllerBase.AcceptedAtRoute(System.Object, System.Object)

Microsoft.AspNetCore.Mvc.ControllerBase.AcceptedAtRoute(System.String, System.Object, System.Object)

Microsoft.AspNetCore.Mvc.ControllerBase.Challenge()

Microsoft.AspNetCore.Mvc.ControllerBase.Challenge(System.String[])

Microsoft.AspNetCore.Mvc.ControllerBase.Challenge(Microsoft.AspNetCore.Authentication.AuthenticationProperties)

Microsoft.AspNetCore.Mvc.ControllerBase.Challenge(Microsoft.AspNetCore.Authentication.AuthenticationProperties, System.String[])

Microsoft.AspNetCore.Mvc.ControllerBase.Forbid()

Microsoft.AspNetCore.Mvc.ControllerBase.Forbid(System.String[])

Microsoft.AspNetCore.Mvc.ControllerBase.Forbid(Microsoft.AspNetCore.Authentication.AuthenticationProperties)

Microsoft.AspNetCore.Mvc.ControllerBase.Forbid(Microsoft.AspNetCore.Authentication.AuthenticationProperties, System.String[])

Microsoft.AspNetCore.Mvc.ControllerBase.SignIn(System.Security.Claims.ClaimsPrincipal)

Microsoft.AspNetCore.Mvc.ControllerBase.SignIn(System.Security.Claims.ClaimsPrincipal, System.String)

Microsoft.AspNetCore.Mvc.ControllerBase.SignIn(System.Security.Claims.ClaimsPrincipal, Microsoft.AspNetCore.Authentication.AuthenticationProperties)

Microsoft.AspNetCore.Mvc.ControllerBase.SignIn(System.Security.Claims.ClaimsPrincipal, Microsoft.AspNetCore.Authentication.AuthenticationProperties, System.String)

Microsoft.AspNetCore.Mvc.ControllerBase.SignOut()

Microsoft.AspNetCore.Mvc.ControllerBase.SignOut(Microsoft.AspNetCore.Authentication.AuthenticationProperties)

Microsoft.AspNetCore.Mvc.ControllerBase.SignOut(System.String[])

Microsoft.AspNetCore.Mvc.ControllerBase.SignOut(Microsoft.AspNetCore.Authentication.AuthenticationProperties, System.String[])

Microsoft.AspNetCore.Mvc.ControllerBase.TryUpdateModelAsync<TModel>(TModel)

Microsoft.AspNetCore.Mvc.ControllerBase.TryUpdateModelAsync<TModel>(TModel, System.String)

Microsoft.AspNetCore.Mvc.ControllerBase.TryUpdateModelAsync<TModel>(TModel, System.String, Microsoft.AspNetCore.Mvc.ModelBinding.IValueProvider)

Microsoft.AspNetCore.Mvc.ControllerBase.TryUpdateModelAsync<TModel>(TModel, System.String, System.Linq.Expressions.Expression<System.Func<TModel, System.Object>>[])

Microsoft.AspNetCore.Mvc.ControllerBase.TryUpdateModelAsync<TModel>(TModel, System.String, System.Func<Microsoft.AspNetCore.Mvc.ModelBinding.ModelMetadata, System.Boolean>)

Microsoft.AspNetCore.Mvc.ControllerBase.TryUpdateModelAsync<TModel>(TModel, System.String, Microsoft.AspNetCore.Mvc.ModelBinding.IValueProvider, System.Linq.Expressions.Expression<System.Func<TModel, System.Object>>[])

Microsoft.AspNetCore.Mvc.ControllerBase.TryUpdateModelAsync<TModel>(TModel, System.String, Microsoft.AspNetCore.Mvc.ModelBinding.IValueProvider, System.Func<Microsoft.AspNetCore.Mvc.ModelBinding.ModelMetadata, System.Boolean>)

Microsoft.AspNetCore.Mvc.ControllerBase.TryUpdateModelAsync(System.Object, System.Type, System.String)

Microsoft.AspNetCore.Mvc.ControllerBase.TryUpdateModelAsync(System.Object, System.Type, System.String, Microsoft.AspNetCore.Mvc.ModelBinding.IValueProvider, System.Func<Microsoft.AspNetCore.Mvc.ModelBinding.ModelMetadata, System.Boolean>)

Microsoft.AspNetCore.Mvc.ControllerBase.TryValidateModel(System.Object)

Microsoft.AspNetCore.Mvc.ControllerBase.TryValidateModel(System.Object, System.String)

Microsoft.AspNetCore.Mvc.ControllerBase.HttpContext

Microsoft.AspNetCore.Mvc.ControllerBase.Request

Microsoft.AspNetCore.Mvc.ControllerBase.Response

Microsoft.AspNetCore.Mvc.ControllerBase.RouteData

Microsoft.AspNetCore.Mvc.ControllerBase.ModelState

Microsoft.AspNetCore.Mvc.ControllerBase.ControllerContext

Microsoft.AspNetCore.Mvc.ControllerBase.MetadataProvider

Microsoft.AspNetCore.Mvc.ControllerBase.ModelBinderFactory

Microsoft.AspNetCore.Mvc.ControllerBase.Url

Microsoft.AspNetCore.Mvc.ControllerBase.ObjectValidator

Microsoft.AspNetCore.Mvc.ControllerBase.ProblemDetailsFactory

Microsoft.AspNetCore.Mvc.ControllerBase.User

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.ToString()

Namespace: **WebApi.Controllers**

Assembly: WebApi.dll

Syntax

```
[Route("api/[controller]")]
[Produces("application/json", new string[]{})]
[ApiController]
public class ProductsController : ControllerBase
```

Constructors

ProductsController(IProductService, IOptionsMonitor<ProductSwitchers>, ErrorHandler)

Declaration

```
public ProductsController(IProductService productService, IOptionsMonitor<ProductSwitchers> productSwitchers,
ErrorHandler error)
```

Parameters

TYPE	NAME	DESCRIPTION
IProductService	productService	
Microsoft.Extensions.Options.IOptionsMonitor<ProductSwitchers>	productSwitchers	
ErrorHandler	error	

Methods

AddNewProduct(AddProductRequest)

Добавление нового продукта

Declaration

```
[HttpPost]
[ProducesResponseType(500)]
[ProducesResponseType(503)]
[ProducesResponseType(204)]
public async Task<IActionResult> AddNewProduct(AddProductRequest request)
```

Parameters

TYPE	NAME	DESCRIPTION
AddProductRequest	request	Модель нового продукта

Returns

TYPE	DESCRIPTION
Task<Microsoft.AspNetCore.Mvc.IActionResult>	Статус 204 NoContent

Remarks

Sample request:

{ "name": "Iphone", "description": "Iphone X" }

GetAllProducts()

Получение списка всех продуктов

Declaration

```
[HttpGet]
[ProducesResponseType(500)]
[ProducesResponseType(503)]
[ProducesResponseType(200, Type = typeof(ProductResponse))]
public async Task<ActionResult<List<ProductResponse>>> GetAllProducts()
```

Returns

TYPE	DESCRIPTION
Task<Microsoft.AspNetCore.Mvc.ActionResult<List<ProductResponse>>>	Статус 200. Все продукты

Namespace WebApi.Extensions

Classes

AppServicesExtenisons

DataProviderExtension

Class AppServicesExtenisons

System.Object

AppServicesExtenisons

Inherited Members

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.ToString()

Namespace: WebApi.Extensions

Assembly: WebApi.dll

Syntax

```
public static class AppServicesExtenisons
```

Methods

AppServices(IServiceCollection)

Declaration

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

Parameters

TYPE	NAME	DESCRIPTION
IServiceCollection	services	

Returns

TYPE	DESCRIPTION
IServiceCollection	

Class DataProviderExtension

System.Object

DataProviderExtension

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.ToString()

Namespace: **WebApi.Extensions**

Assembly: WebApi.dll

Syntax

```
public static class DataProviderExtension
```

Methods

AppDataProviders(IServiceCollection)

Declaration

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

Parameters

TYPE	NAME	DESCRIPTION
IServiceCollection	services	

Returns

TYPE	DESCRIPTION
IServiceCollection	

Namespace WebApi.Models.Products

Classes

AddProductRequest

Модель добавления нового продукта

ProductResponse

Модель отображения продуктов в списке

Class AddProductRequest

Модель добавления нового продукта

System.Object

AddProductRequest

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.ToString()

Syntax

```
public class AddProductRequest
```

Properties

Description

Описание

Declaration

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

Property Value

TYPE	DESCRIPTION
System.String	

Name

Наименование

Declaration

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

Property Value

TYPE	DESCRIPTION
System.String	

Class ProductResponse

Модель отображения продуктов в списке

Namespace: **WebApi.Models.Products**

Assembly: WebApi.dll

Syntax

```
public class ProductResponse
```

Properties

CreatedDate

Дата добавления

Declaration

```
public DateTimeOffset CreatedDate { get; set; }
```

Property Value

TYPE	DESCRIPTION
DateTimeOffset	

Description

Описание

Declaration

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

Property Value

TYPE	DESCRIPTION
System.String	

Name

Наименование

Declaration

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

Property Value

TYPE	DESCRIPTION
System.String	

Property Value

TYPE	DESCRIPTION
System.String	

Namespace WebApi.monitoring.Errors

Classes

ErrorHandler

Базовый обработчик ошибок

Class ErrorHandler

Базовый обработчик ошибок

System.Object

ErrorHandler

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.ToString()

Syntax

```
public class ErrorHandler
```

Constructors

ErrorHandler(ILogger)

Declaration

```
public ErrorHandler(ILogger logger)
```

Parameters

TYPE	NAME	DESCRIPTION
Serilog.ILogger	logger	

Methods

DefaultHandle(String, Exception)

Стандартная обработка ошибки и запись в лог

Declaration

```
public string DefaultHandle(string methodName, Exception exception)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	methodName	
Exception	exception	

Returns

TYPE	DESCRIPTION
System.String	Отображаемый текст ошибки

DisabledService(String)

Отображение ошибки при отключенном сервисе и запись в лог

Declaration

```
public string DisabledService(string methodName)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	methodName	

Returns

TYPE	DESCRIPTION
System.String	Отображаемый текст ошибки

Id()

Declaration

```
public static int Id()
```

Returns

TYPE	DESCRIPTION
System.Int32	

Namespace WebApi.monitoring.Switchers

Classes

ProductSwitchers

Свитчеры позволяют отключать часть функционала, н-р при недоступности определенного сервиса

Class ProductSwitchers

Свитчеры позволяют отключать часть функционала, н-р при недоступности определенного сервиса

Syntax

```
public class ProductSwitchers
```

Properties

AddServiceEnabed

Доступен ли сервис добавления продукта

Declaration

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

Property Value

TYPE	DESCRIPTION
System.Boolean	

GetServiceEnabled

Доступен ли сервис получения продуктов

Declaration

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

Property Value

TYPE	DESCRIPTION
System.Boolean	