

Namespace CarStorageApi.Controllers

Classes

[CarController](#)

Interfaces

[ICarController](#)


Class CarController

Namespace: [CarStorageApi.Controllers](#)

Assembly: CarStorageApi.dll

```
public class CarController : ICarController
```








Inheritance

[object](#)  ← CarController

Implements

[ICarController](#)

Inherited Members

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

Constructors

CarController(ICarService)

Initializes a new instance of the [CarController](#) class.

```
public CarController(ICarService carService)
```

Parameters

carService [ICarService](#)

The car service.

Methods

GetCars()

Gets the cars.

```
public List<Car> GetCars()
```

Returns

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

See Also

[ICarController](#)

Interface ICarController

Namespace: [CarStorageApi.Controllers](#)

Assembly: CarStorageApi.dll

```
public interface ICarController
```

Methods

GetCars()

Gets the cars.

```
List<Car> GetCars()
```

Returns

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

Namespace CarStorageApi.Data

Classes

[CarContext](#)

Class CarContext

Namespace: [CarStorageApi.Data](#)









Assembly: CarStorageApi.dll

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

Inheritance

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

Implements

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

Inherited Members

[DbContext.Set<TEntity>\(\).](#)  , [DbContext.Set<TEntity>\(string\).](#)  ,
[DbContext.OnConfiguring\(DbContextOptionsBuilder\).](#)  ,
[DbContext.ConfigureConventions\(ModelConfigurationBuilder\).](#)  ,
[DbContext.OnModelCreating\(ModelBuilder\).](#)  , [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

CarContext(DbContextOptions)

```
public CarContext(DbContextOptions options)
```

Parameters

options [DbContextOptions☐](#)

Properties

Cars

```
public DbSet<Car> Cars { get; set; }
```

Property Value

[DbSet☐](#) <[Car](#)>

Parts

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

Property Value

[DbSet☐](#) <[Part](#)>

Namespace CarStorageApi.Migrations

Classes

[CreateCarandPartTable](#)

A base class inherited by each EF Core migration.

[addedDatetoCarandPart](#)

A base class inherited by each EF Core migration.

[addedPartDescription](#)

A base class inherited by each EF Core migration.

Class CreateCarandPartTable

Namespace: [CarStorageApi.Migrations](#)

Assembly: CarStorageApi.dll













A base class inherited by each EF Core migration.

```
[DbContext(typeof(CarContext))]  
[Migration("20240430094021_CreateCarandPartTable")]  
public class CreateCarandPartTable : Migration
```


Inheritance

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

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 addedDatetoCarandPart



Namespace: [CarStorageApi.Migrations](#)

Assembly: CarStorageApi.dll













A base class inherited by each EF Core migration.

```
[DbContext(typeof(CarContext))]  
[Migration("20240501091847_addedDatetoCarandPart")]  
public class addedDatetoCarandPart : Migration
```


Inheritance

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

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 addedPartDescription

Namespace: [CarStorageApi.Migrations](#)

Assembly: CarStorageApi.dll













A base class inherited by each EF Core migration.

```
[DbContext(typeof(CarContext))]  
[Migration("20240430113507_addedPartDescription")]  
public class addedPartDescription : Migration
```


Inheritance

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

Inherited Members

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

Remarks

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

Methods

BuildTargetModel(ModelBuilder)

Implemented to build the [TargetModel](#) .

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

Parameters

modelBuilder [ModelBuilder](#) 

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

Remarks

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

Down(MigrationBuilder)

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

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

Parameters

migrationBuilder [MigrationBuilder](#)

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

Remarks

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

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

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

Up(MigrationBuilder)

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

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

Parameters

migrationBuilder [MigrationBuilder](#)

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

Remarks

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

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

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

Namespace CarStorageApi.Models

Classes

[Car](#)

[Part](#)

Class Car

Namespace: [CarStorageApi.Models](#)








Assembly: CarStorageApi.dll

```
public class Car
```

Inheritance

[object](#)  ← Car

Inherited Members

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

Properties

Color

Gets or sets the color.

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

Property Value

[string](#) 

The color.

CreatedDate

Gets or sets the created date.

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

Property Value

[DateTime](#)?

The created date.

Id

Gets or sets the identifier.

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

Property Value

[Guid](#)

The identifier.

Name

Gets or sets the name.

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

Property Value

[string](#)

The name.

Part

Gets or sets the part.

```
public virtual List<Part> Part { get; set; }
```

Property Value

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

The part.

SoldDate

Gets or sets the sold date.

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

Property Value

[DateTime](#)[↗]?

The sold date.

Type

Gets or sets the type.

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

Property Value

[string](#)[↗]

The type.

Class Part

Namespace: [CarStorageApi.Models](#)








Assembly: CarStorageApi.dll

```
public class Part
```

Inheritance

[object](#)  ← Part

Inherited Members

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

Properties

CarId

Gets or sets the car identifier.

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

Property Value

[Guid](#) 

The car identifier.

CreatedDate

Gets or sets the created date.

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

Property Value

[DateTime](#)?

The created date.

Description

Gets or sets the description.

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

Property Value

[string](#)

The description.

Id

Gets or sets the identifier.

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

Property Value

[Guid](#)

The identifier.

Name

Gets or sets the name.

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

Property Value

[string](#)

The name.

Namespace CarStorageApi.Repositories

Classes

[CarRepository](#)

Interfaces

[ICarRepository](#)


Class CarRepository

Namespace: [CarStorageApi.Repositories](#)

Assembly: CarStorageApi.dll

```
public class CarRepository : ICarRepository
```








Inheritance

[object](#)  ← CarRepository

Implements

[ICarRepository](#)

Inherited Members

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

Constructors

CarRepository(CarContext)

Initializes a new instance of the [CarRepository](#) class.

```
public CarRepository(CarContext context)
```

Parameters

context [CarContext](#)

The context.

Methods

GetCars()

Gets the cars.

```
public List<Car> GetCars()
```

Returns

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

See Also

[ICarRepository](#)

Interface ICarRepository

Namespace: [CarStorageApi.Repositories](#)

Assembly: CarStorageApi.dll

```
public interface ICarRepository
```

Methods

GetCars()

Gets the cars.

```
List<Car> GetCars()
```

Returns

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

Namespace CarStorageApi.Services

Classes

[CarService](#)

[RabbitMQService](#)

Interfaces

[ICarService](#)

Class CarService

Namespace: [CarStorageApi.Services](#)

Assembly: CarStorageApi.dll

```
public class CarService : ICarService
```








Inheritance

[object](#)  ← CarService

Implements

[ICarService](#)

Inherited Members

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

Constructors

CarService(ICarRepository)

Initializes a new instance of the [CarService](#) class.

```
public CarService(ICarRepository carInventoryRepo)
```

Parameters

carInventoryRepo [ICarRepository](#)

The car inventory repo.

Methods

GetCars()

Gets the cars.

```
public List<Car> GetCars()
```

Returns

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

See Also

[ICarService](#)

Interface ICarService

Namespace: [CarStorageApi.Services](#)

Assembly: CarStorageApi.dll

```
public interface ICarService
```

Methods

GetCars()

Gets the cars.

```
List<Car> GetCars()
```

Returns

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


Class RabbitMQService

Namespace: [CarStorageApi.Services](#)








Assembly: CarStorageApi.dll

```
public class RabbitMQService
```

Inheritance

[object](#)  ← RabbitMQService

Inherited Members

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

Constructors

RabbitMQService(IConfiguration)

Initializes a new instance of the [RabbitMQService](#) class.

```
public RabbitMQService(IConfiguration configuration)
```

Parameters

configuration [IConfiguration](#) 

The configuration.

Methods

Publish(List<Car>)

Publishes the specified cars.

```
public void Publish(List<Car> cars)
```

Parameters

`cars` [List](#) [<Car>](#)

The cars.