Adding Data
with Entity Framework Core

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Overview

Hello EF Core

Adding EF Core to the application

Initializing the database

Modifying the model

Hello EF Core

Entity Framework Core (EF Core)

ORM	LINQ support	Lightweight & Cross-platform
Open-source	SQL Server and other, non-relational DB support	Code-First only
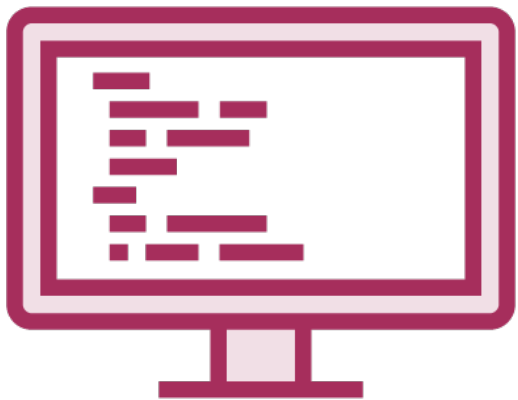
EF Core

What EF Core Does for You

Class

```
public class Pie
{
    public int PieId { get; set; }
    public string Name { get; set; }
    public string Description { get; set; }
}
```
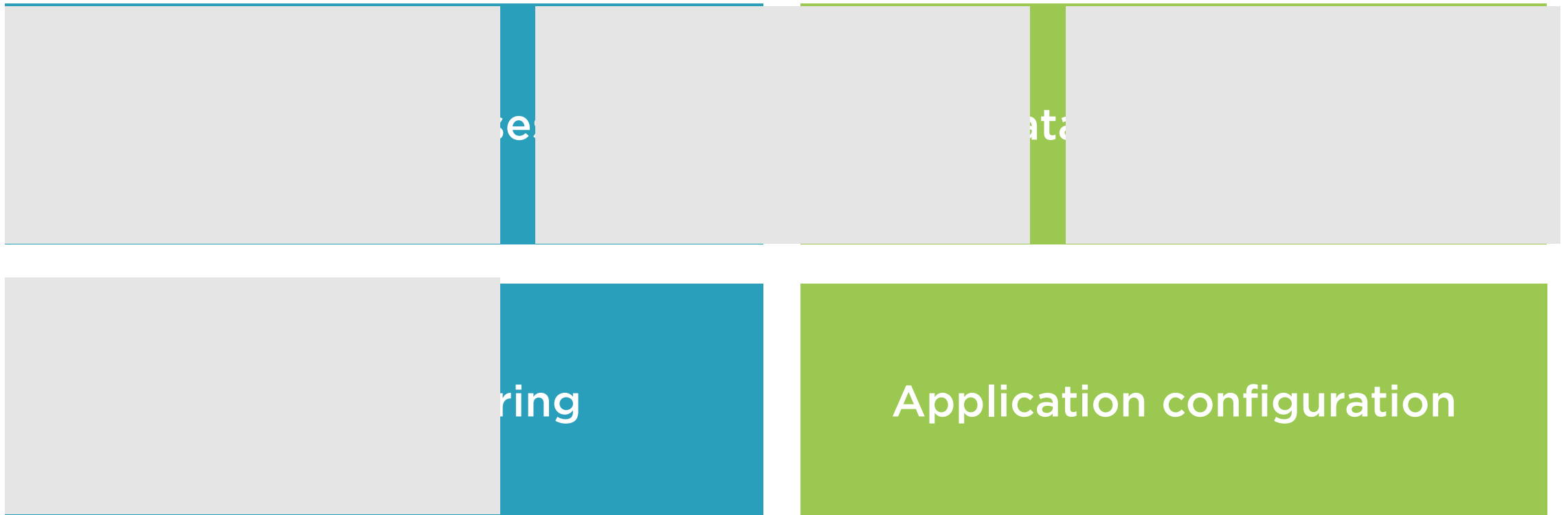
Table

PieId	Int (PK)
Name	String
Description	string

Adding EF Core to the Application

Adding EF Core to the Application

Application configuration

The Database Context

```csharp
public class AppDbContext : DbContext
{

    public AppDbContext(DbContextOptions<AppDbContext> options)
      : base(options)
    {

    }

    public DbSet<Pie> Pies { get; set; }

}
```

Demo

Adding the DbContext

Creating the real repository

Application configuration

Creating and Initializing the Database

Creating the Database

Database migration
Package Manager Console

Create database

Database

Initializing the Database

Code

**Initialized from
Program class**

Initial data

Database

Demo

Creating the database

Initializing the database

Modifying the Model

Modifying the Model

Model change

Database migration

Update database

Database

Demo

Modifying the model

Updating the database

Summary

Using EF Core, we can easily add a database to ASP.NET Core sites

Code-first approach

Migrations for synchronization

Up next:
Adding navigation