**🧪 Lab 2: Setting Up the Database Context**

**🎯 Goal:**

Define your data models and configure EF Core.

**✅ Steps:**

1. **Create Models/Category.cs**

csharp

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namespace RetailInventory.Models;

public class Category

{

public int Id { get; set; }

public string Name { get; set; }

public List<Product> Products { get; set; } = new();

}

1. **Create Models/Product.cs**

csharp

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namespace RetailInventory.Models;

public class Product

{

public int Id { get; set; }

public string Name { get; set; }

public decimal Price { get; set; }

public int CategoryId { get; set; }

public Category Category { get; set; }

}

1. **Create AppDbContext.cs (in project root)**

csharp

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using Microsoft.EntityFrameworkCore;

using RetailInventory.Models;

namespace RetailInventory;

public class AppDbContext : DbContext

{

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

public DbSet<Category> Categories { get; set; }

protected override void OnConfiguring(DbContextOptionsBuilder optionsBuilder)

{

optionsBuilder.UseSqlServer("Server=localhost;Database=RetailDb;Trusted\_Connection=True;TrustServerCertificate=True;");

}

}



