**Lab 2: Setting Up the Database Context for a Retail Store**

1. **Models/Product.cs**

namespace RetailStoreLab2.Models

{

public class Product

{

public int Id { get; set; }

public string Name { get; set; } = string.Empty;

public decimal Price { get; set; }

public int CategoryId { get; set; }

public Category Category { get; set; } = null!;

}

}

1. **Models/Category.cs**

namespace RetailStoreLab2.Models

{

public class Category

{

public int Id { get; set; }

public string Name { get; set; } = string.Empty;

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

}

}

1. **AppDbContext.cs**

using Microsoft.EntityFrameworkCore;

using RetailStoreLab2.Models;

namespace RetailStoreLab2;

public class AppDbContext : DbContext

{

public DbSet<Product> Products => Set<Product>();

public DbSet<Category> Categories => Set<Category>();

protected override void OnConfiguring(DbContextOptionsBuilder optionsBuilder)

{

optionsBuilder.UseSqlServer(@"Server=(localdb)\MSSQLLocalDB;Database=RetailStoreLab2DB;Trusted\_Connection=True;");

}

}

1. **RetailStoreLab2.csproj**

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<PackageReference Include="Microsoft.EntityFrameworkCore.SqlServer" Version="9.0.6" />

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