**EF Core 8.0 HOL**

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

Create Models (Category and Product)

Category.cs

using System.Collections.Generic;

public class Category

{

public int Id { get; set; }

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

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

}

Product.cs

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!;

}

AppDbContext.cs

using Microsoft.EntityFrameworkCore;

public class AppDbContext : DbContext

{

public DbSet<Product> Products { get; set; } = null!;

public DbSet<Category> Categories { get; set; } = null!;

protected override void OnConfiguring(DbContextOptionsBuilder optionsBuilder)

{

// SQL Server (LocalDB)

optionsBuilder.UseSqlServer("Server=(localdb)\\mssqllocaldb;Database=RetailStoreDb;Trusted\_Connection=True;");

// ✅ Or use SQLite instead (no SQL Server needed)

// optionsBuilder.UseSqlite("Data Source=retail.db");

}

}

