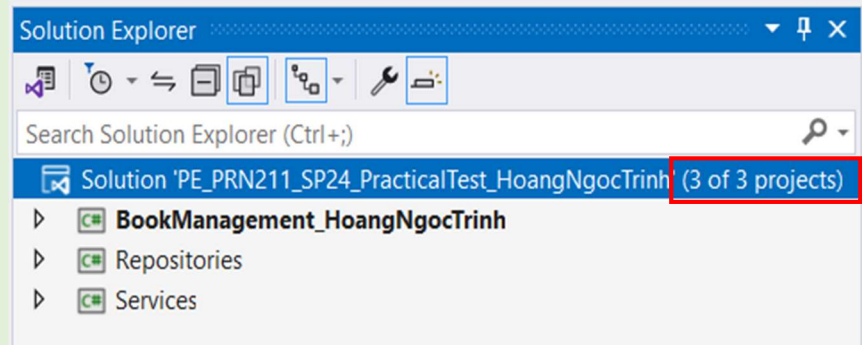


Precaution - Cảnh báo sử dụng code...

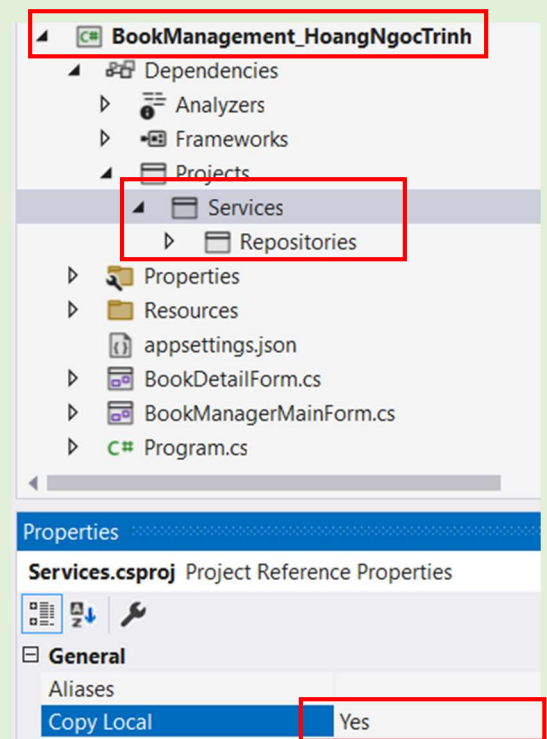
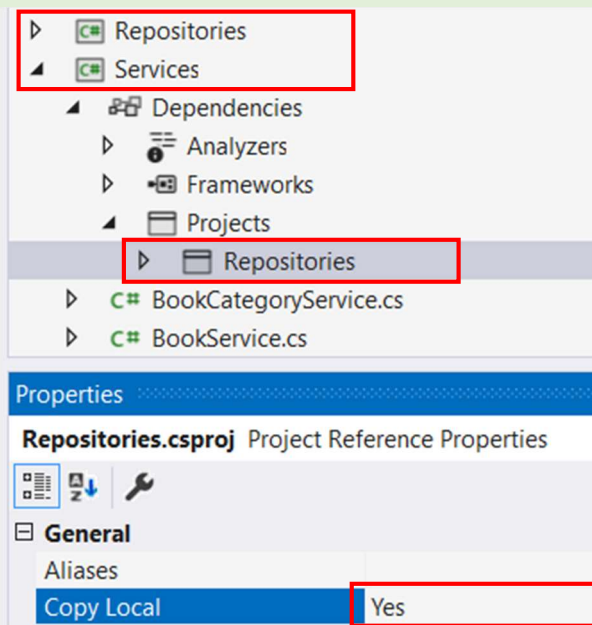
0. Create a Solution including 3 projects:

- *Windows Forms*
- *Repositories Class Library Project*
- *Services Class Library Project*

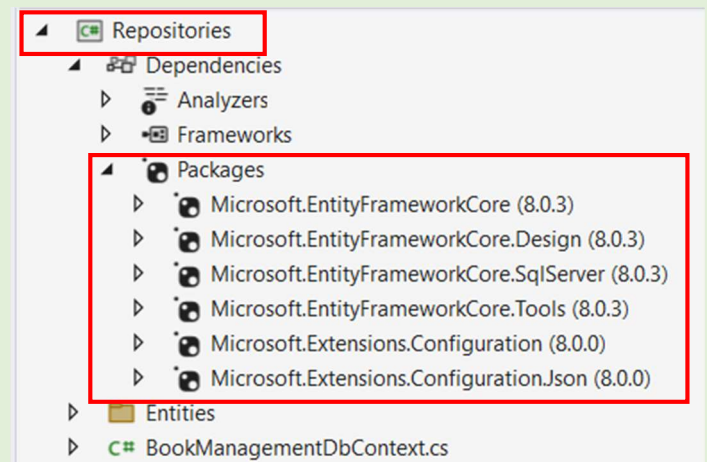


1. Make reference to class library project:

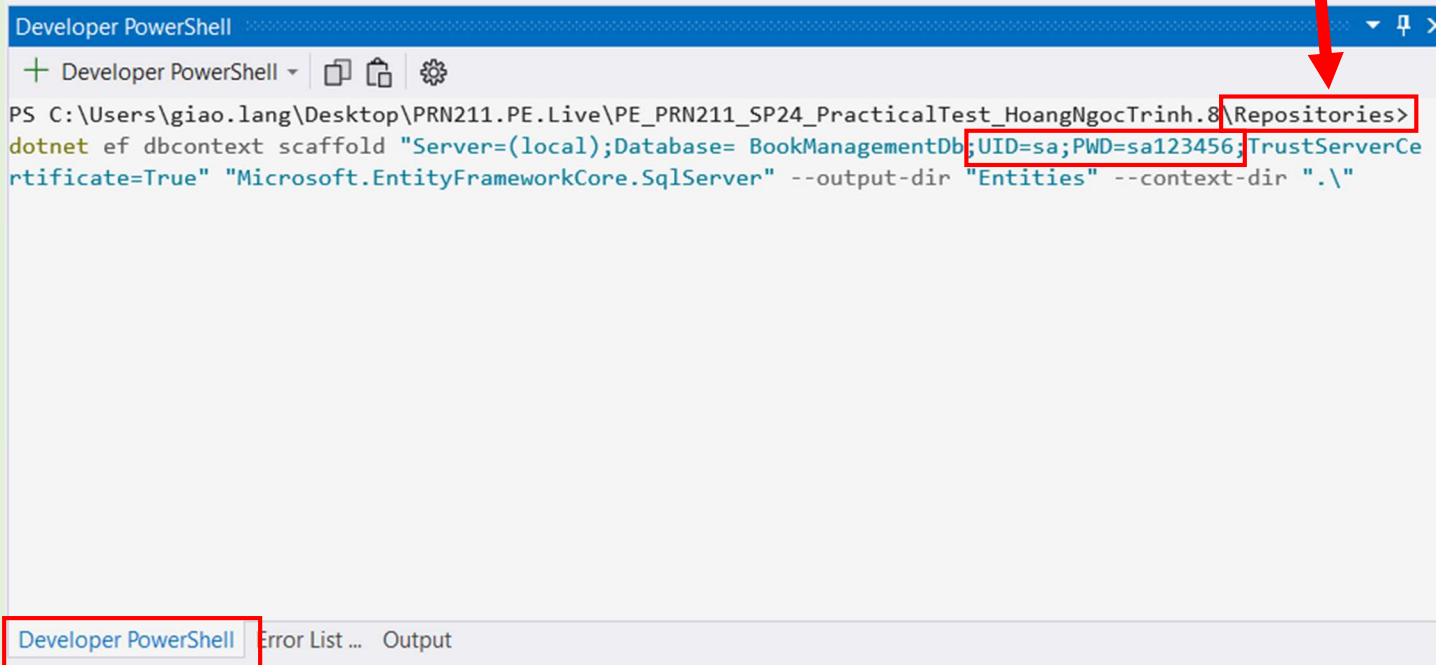
GUI -> Services -> Repositories



2. Add NuGet packages relate to Entity Framework Core & JSON in Repository project

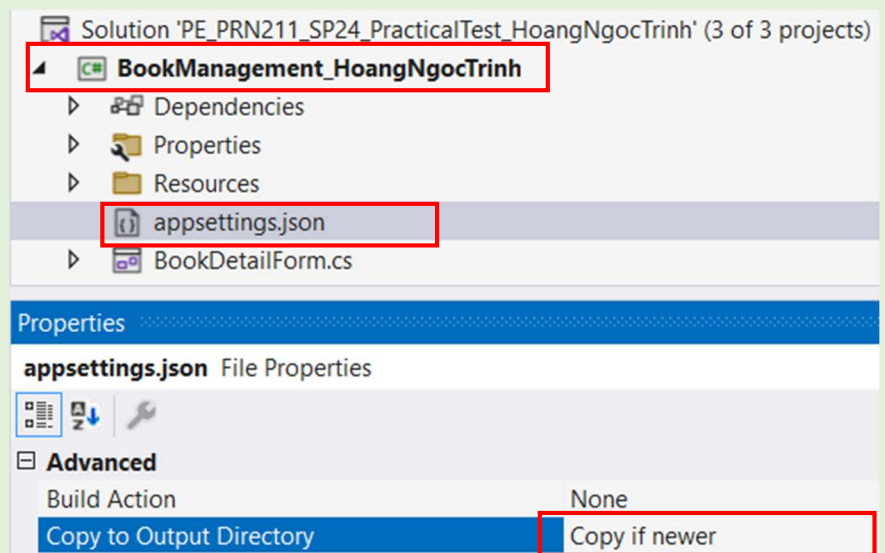


3. Run the ef scaffold command in PowerShell in Repository project



```
Developer PowerShell
+ Developer PowerShell
PS C:\Users\giao.lang\Desktop\PRN211.PE.Live\PE_PRN211_SP24_PracticalTest_HoangNgocTrinh.8\Repositories> dotnet ef dbcontext scaffold "Server=(local);Database= BookManagementDb;UID=sa;PWD=sa123456;TrustServerCertificate=True" "Microsoft.EntityFrameworkCore.SqlServer" --output-dir "Entities" --context-dir "."
```

4. Create a configuration file (.json) in GUI project



Solution 'PE_PRN211_SP24_PracticalTest_HoangNgocTrinh' (3 of 3 projects)

- BookManagement_HoangNgocTrinh
 - Dependencies
 - Properties
 - Resources
 - appsettings.json
 - BookDetailForm.cs

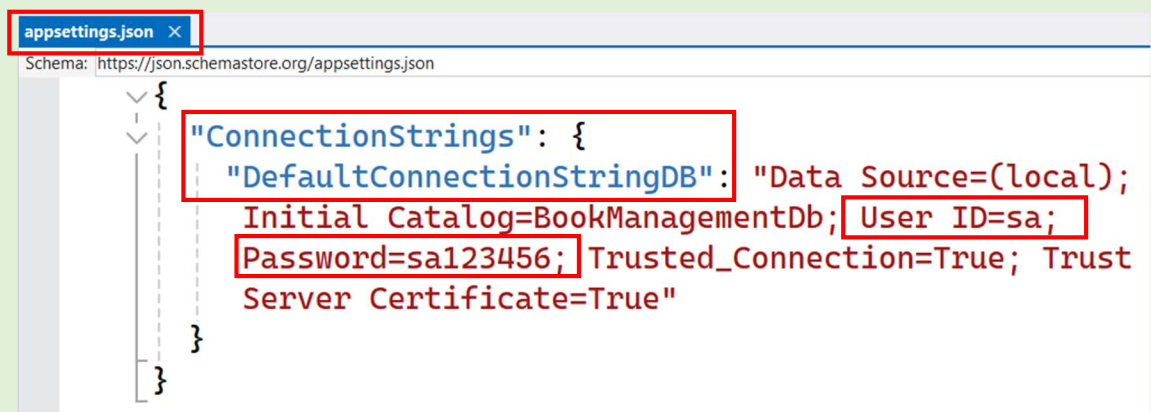
Properties

appsettings.json File Properties

Advanced

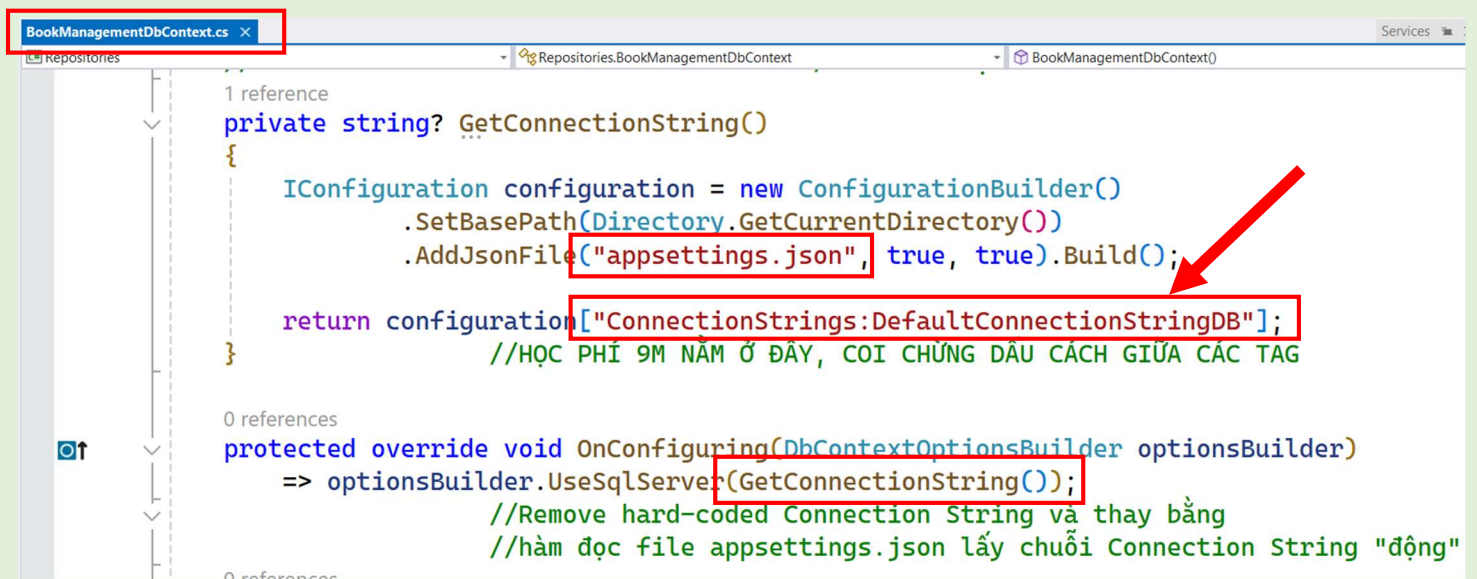
Build Action	None
Copy to Output Directory	Copy if newer

5. Create a configuration file (.json) in GUI project



```
appsettings.json
Schema: https://json.schemastore.org/appsettings.json
{
  "ConnectionStrings": {
    "DefaultConnectionStringDB": "Data Source=(local);Initial Catalog=BookManagementDb;User ID=sa;Password=sa123456;Trusted_Connection=True;Trust Server Certificate=True"
  }
}
```

6. Update DbContext class to read to Connection String from configuration file .json

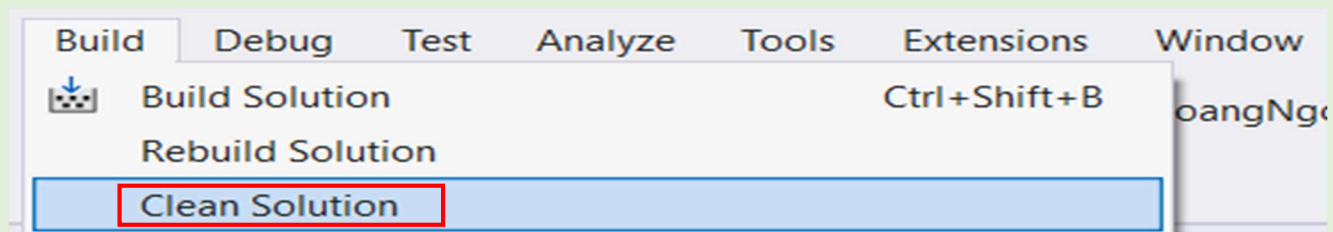


```
1 reference
private string? GetConnectionString()
{
    IConfiguration configuration = new ConfigurationBuilder()
        .SetBasePath(Directory.GetCurrentDirectory())
        .AddJsonFile("appsettings.json", true, true).Build();

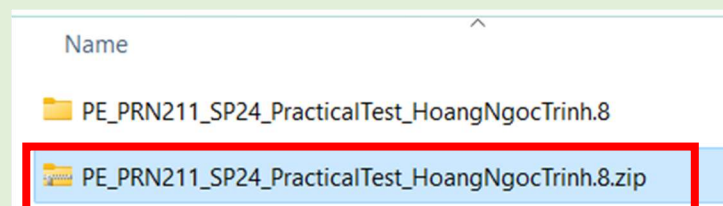
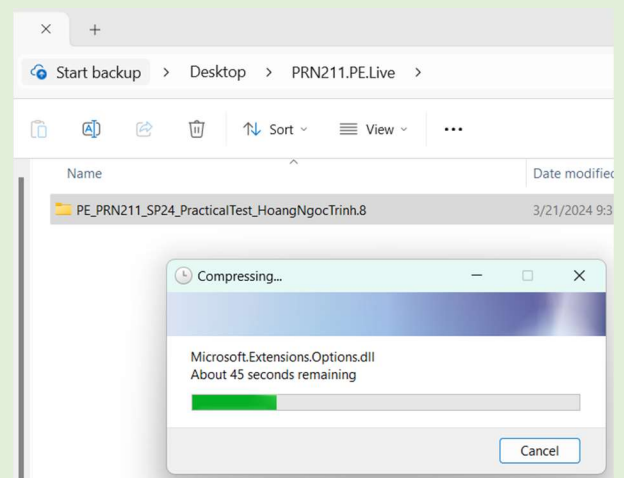
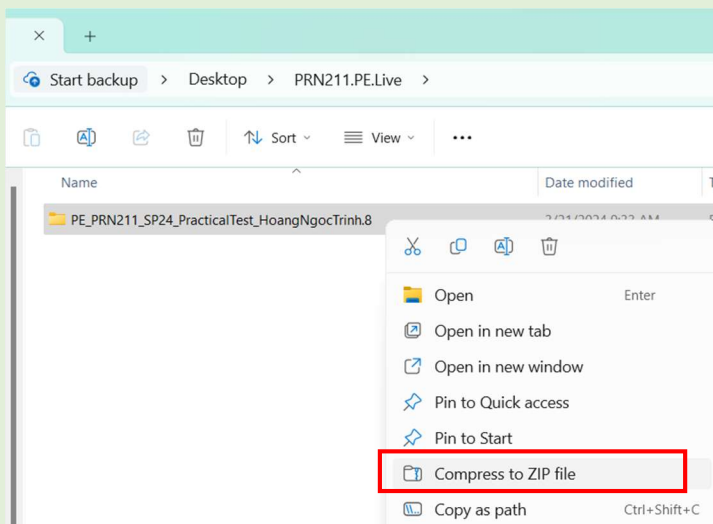
    return configuration["ConnectionStrings:DefaultConnectionStringDB"];
}

0 references
protected override void OnConfiguring(DbContextOptionsBuilder optionsBuilder)
    => optionsBuilder.UseSqlServer(GetConnectionString());
//HỌC PHẢI 9M NĂM Ở ĐÂY, COI CHÚNG ĐẦU CÁCH GIỮA CÁC TAG
//Remove hard-coded Connection String và thay bằng
//hàm đọc file appsettings.json lấy chuỗi Connection String "động"
```

7. Clean the Solution to minimize the size



8. Compress the Solution to submit to Exam Server (<10MB)



GOOD LUCK TO YOU ALL <3 😊