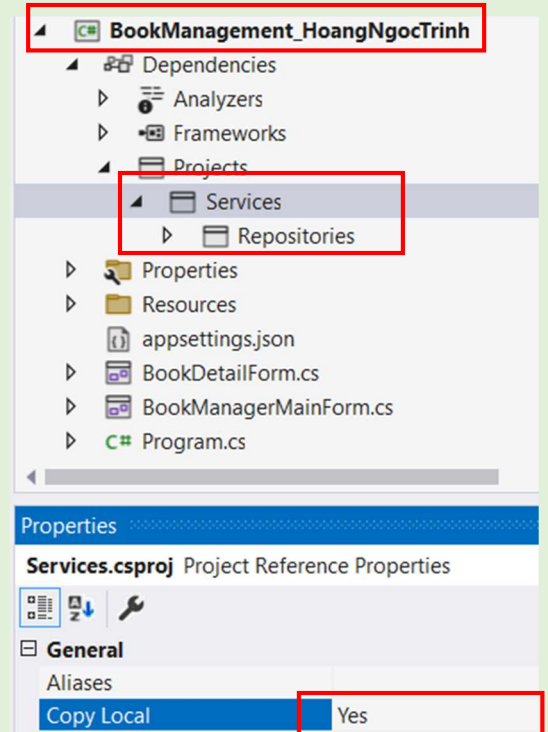
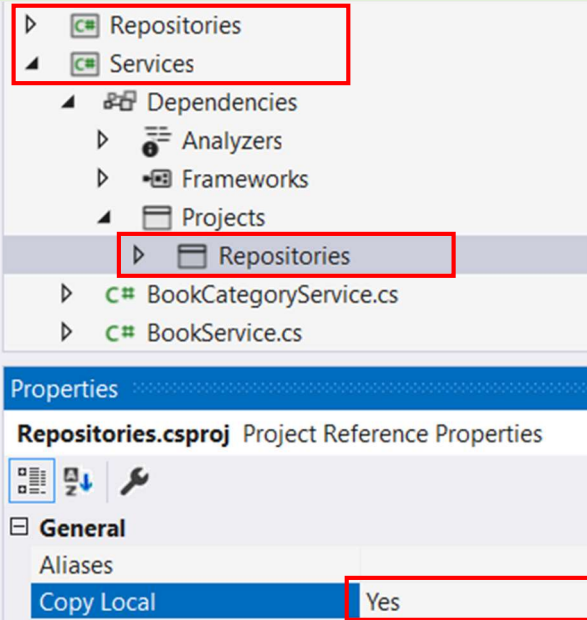


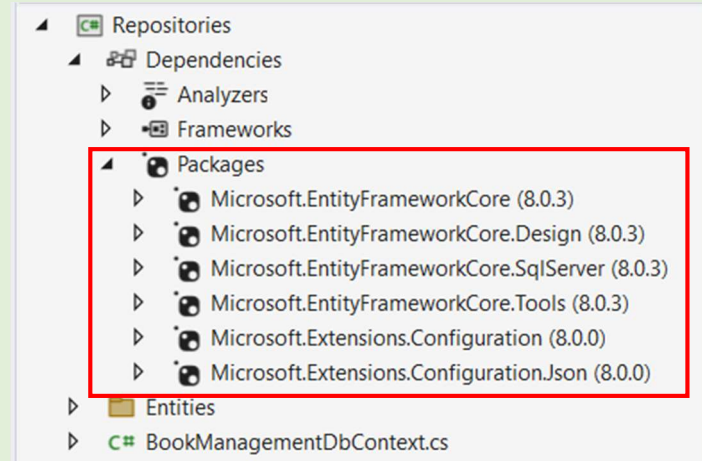
Precaution - Cảnh báo sử dụng code...

1. Make reference to class library project:

GUI -> Services -> Repositories



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



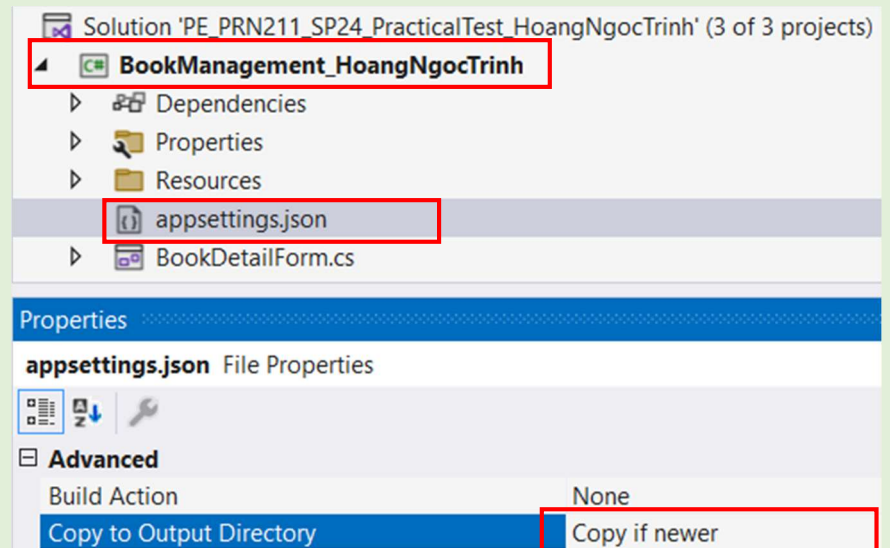
3. Run the ef scaffold command in PowerShell

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 ".\"
```

Developer PowerShell Error List ... Output

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



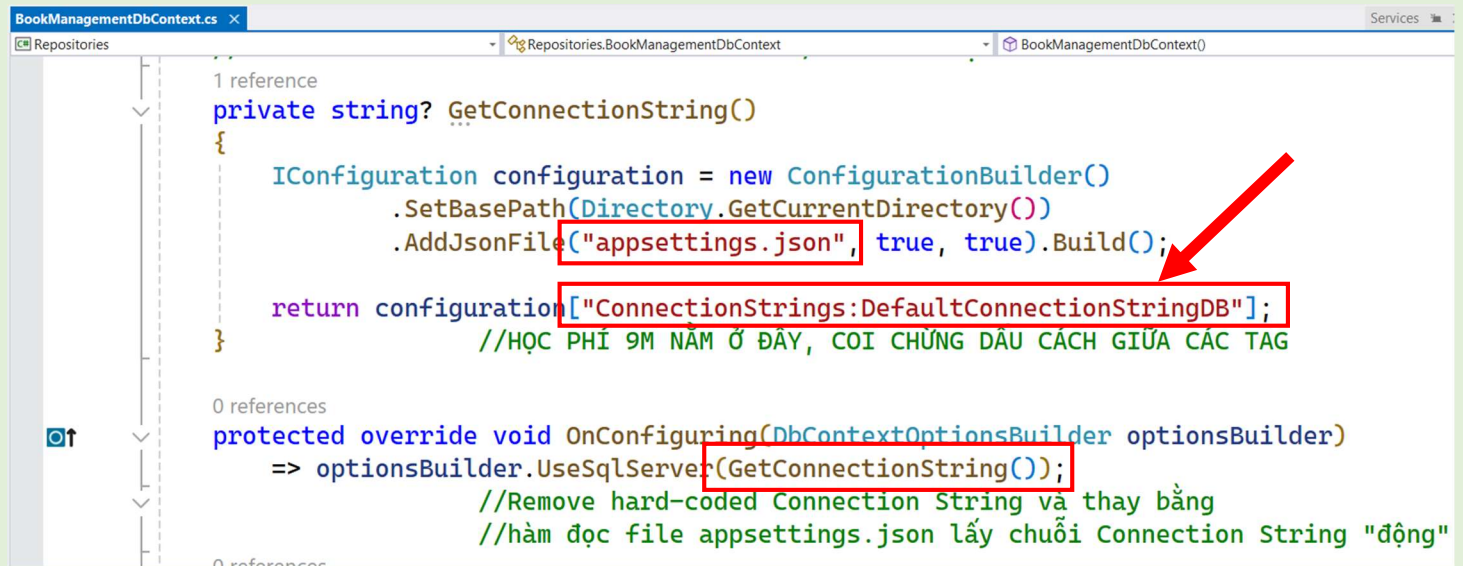
5. Create a configuration file (.json) in GUI project

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

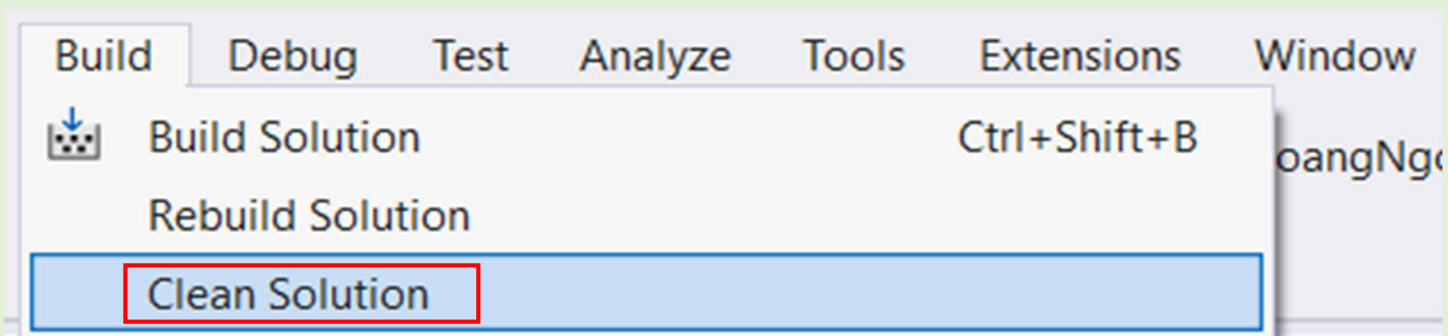


```
1 reference
private string? GetConnectionString()
{
    IConfiguration configuration = new ConfigurationBuilder()
        .SetBasePath(Directory.GetCurrentDirectory())
        .AddJsonFile("appsettings.json", true, true).Build();

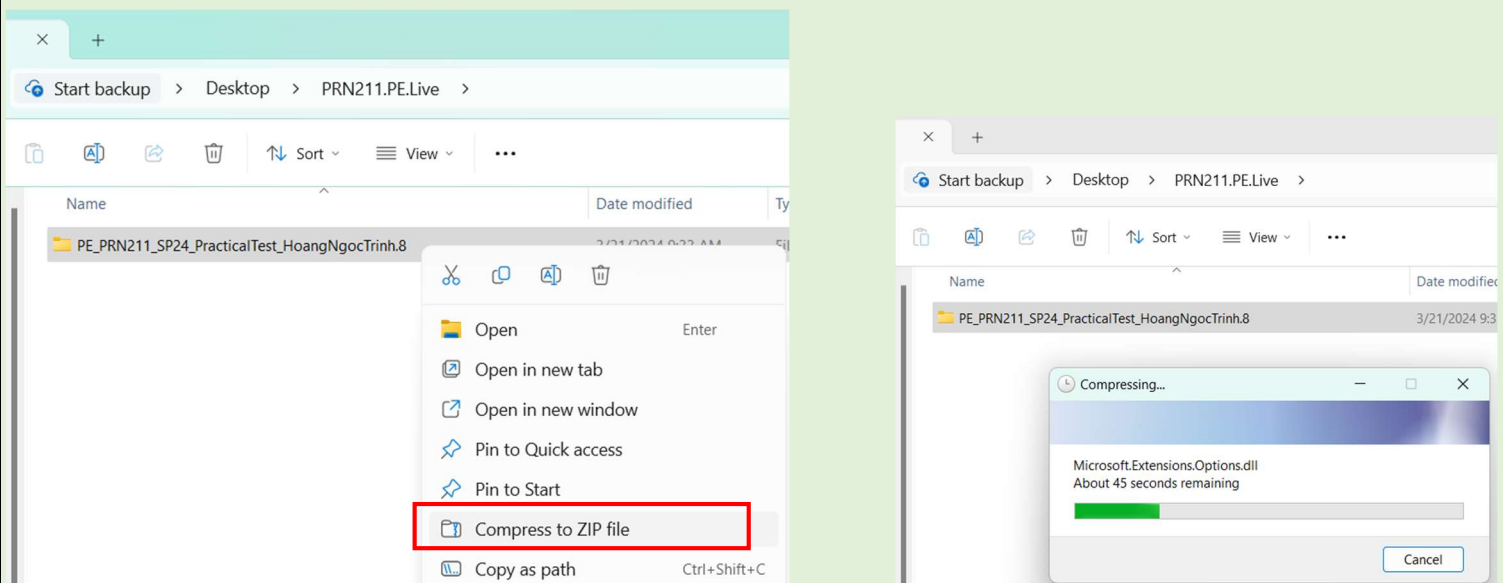
    return configuration["ConnectionStrings:DefaultConnectionStringDB"];
}

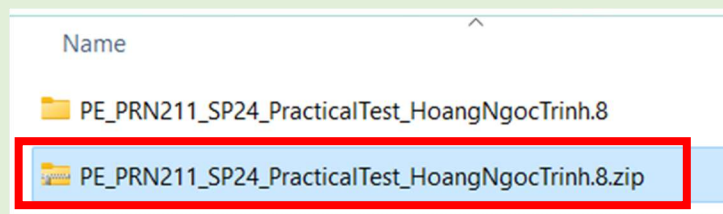
0 references
protected override void OnConfiguring(DbContextOptionsBuilder optionsBuilder)
    => optionsBuilder.UseSqlServer(GetConnectionString());
//Remove hard-coded Connection String và thay bằng
//hàm đọc file appsettings.json lấy chuỗi Connection String "động"
```

7. Clean the Solution to minimize the size of the Solution



8. Compress the Solution to submit to Exam Server





GOOD LUCK TO YOU ALL <3 😊