**Common Login Project**

Git: [git@bitbucket.org:dept07/dxCommon](mailto:git@bitbucket.org:dept07/dxCommon)

Visual Studio 2019 integration :   
 <https://docs.devexpress.com/AspNetCore/401026/devextreme-based-controls/get-started/configure-a-visual-studio-project>

**Data**

Generated via Package Manager console command:

Scaffold-DbContext Name=ConnectionStrings:UserDB Microsoft.EntityFrameworkCore.SqlServer -OutputDir Data -Tables User -dataannotations -Context "UserDBContext" -ContextNamespace dxCommonLogin.Data -force

**UI**

* \Pages\Shared\ \_Layout.cshtml
* \Pages\ Index.cshtml

**Profiles**

Each file represents data mapping between database entities (Data folder) and corresponding View Model (Models folder: ~\Profiles\UserProfile.cs )

**Models**

Files are copies of files @ Data folder:

|  |  |
| --- | --- |
| Context | View Model |
| ~\Data\User.cs | ~\Models\UserModel.cs |

* AuthrorizationRequest model represents data @ Index view , including query string parameter of application ID.
* AutherizationResponse model is a copy of UserModel plus generated jwt token value.

**Controllers**

(API) Controllers connect view models with database code, which is usually implemented in repositories (see below) : ~\Controllers\HomeController.cs

**Services**

Back-end repository (database access) code:

* ~\Services\IUserRepository.cs - endpoint definitions
* ~\Services\UserRepository.cs - implementation

**Client Code**

* ~\wwwroot\js\vendor.js – DevExpress /Core autogenerated code
* ~\wwwroot\js\index.js – custom jQuery event wiring

**Publishing**

@ Visual Studio , add new item – application settings json file, called appSettings.Production.json

Graphical user interface, text, application

Description automatically generated

File should be a copy of development configuration , with production connection string – e.g. UserDB value.

Before proceding to publish, modify project file (\*.csproj) to only publish earlier generated appSettings.Production.com