## **Homework**

### ****Task 1. Local user database and ASP.Net Core Identity****

Add user registration and authentication based on ASP.Net Core Identity

Should be accessed follow features:

* User self-registration
* User authentication by login and password
* Password reset (by sending letter with security URL)

**Materials:**

* [Introduction to Identity on ASP.NET Core](https://docs.microsoft.com/en-us/aspnet/core/security/authentication/identity)
* [Configure ASP.NET Core Identity](https://docs.microsoft.com/en-us/aspnet/core/security/authentication/identity-configuration)

### ****Task 2. Azure AD authentication****

Add sign-in from Azure AD.

User can choose, which authentication it uses:

* Login/password from local DB
* Azure AD

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**Materials:**

* [Integrating Azure AD into an ASP.NET Core web app](https://github.com/Azure-Samples/active-directory-dotnet-webapp-openidconnect-aspnetcore)

### ****Task 3. Authorization****

Add authorization (check access) by role model (where role is a user group)

For demonstration:

* Add new controller (for Administrator) with one Action, which show all site users
* Allow access to this controller only for Administrators group

**Materials:**

* [Role-based authorization in ASP.NET Core](https://docs.microsoft.com/en-us/aspnet/core/security/authorization/roles)