SWE203 - WEB PROGRAMMING Course Project

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General Information

IdentityApp is an ASP.NET Core MVC application that performs user authentication and authorization operations. This project allows users to register, log in, manage roles and associate users with roles.

Technologies Used

- ASP.NET Core MVC
- Entity Framework Core
- SQLite
- Bootstrap

Project Structure

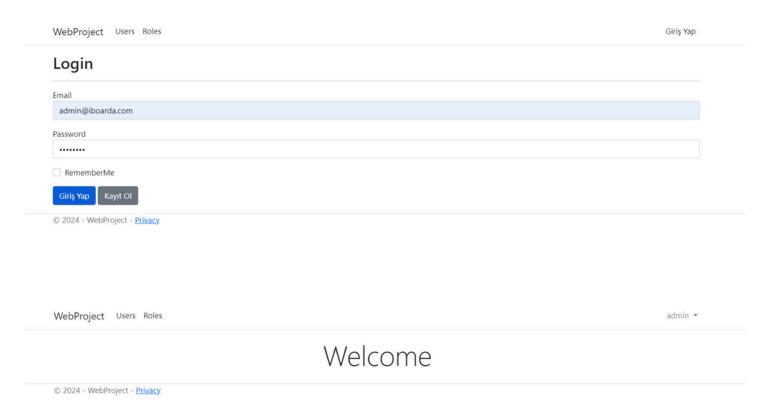
The files and folders in the project are as follows is like:

- appsettings.Development.json
- appsettings.json
- auth.db-shm
- auth.db-wal
- bin/
 - Debug/
- Controllers/
 - AccountController.cs
 - HomeController.cs
 - RolesController.cs
 - UsersController.cs
- IdentityApp.csproj
- IdentityApp.sln
- Migrations/
 - 20241221192035_InitialCreate.cs
 - o 20241221192035_InitialCreate.Designer.cs
 - IdentityContextModelSnapshot.cs
- Models/
 - AppRole.cs
 - AppUser.cs
 - ErrorViewModel.cs
 - IdentityContext.cs

- IdentityDataSeed.cs
- obj/
- Program.cs
- Properties/
- TagHelpers/
- ViewModels/
- Views/
 - Account/
 - o Home/
 - Roles/
 - Users/
- wwwroot/

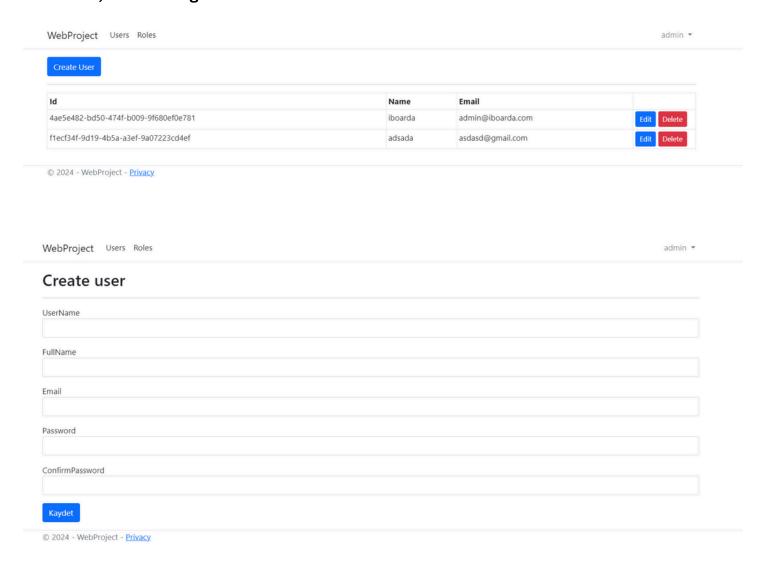
Functionalities

The users registered on the user page are checked through the database and if the password is entered incorrectly more than 5 times, the user's account is locked for 5 minutes and the user is not allowed to log in on subsequent attempts even if they log in correctly.

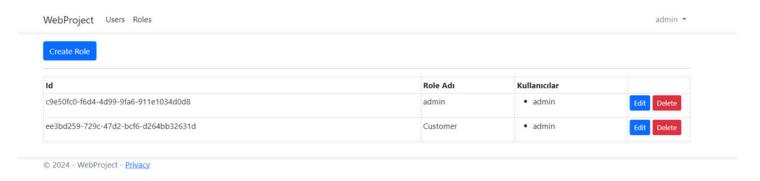


The correct password and email usage are checked on the user creation page. Only users with admin authority can access this page, and only users with admin authority can use the

user information editing and user deletion functions here. If a registered user is tried to be recreated, an error is given.



Only users with admin rights can access this page, and only users with admin rights can use the role editing and role deletion functions here.





If a user who does not have the admin role tries to access these pages, they will not be allowed.

