

#### C# Web – MVC

#### PRO/PRW - C# Web 1

#### DE HOGESCHOOL MET HET NETWERK

Hogeschool PXL – Elfde-Liniestraat 24 – B-3500 Hasselt www.pxl.be - www.pxl.be/facebook



## Doel

- ASP.Net Core toepassing
  - Identity Framework



#### **ASP.NET CORE**

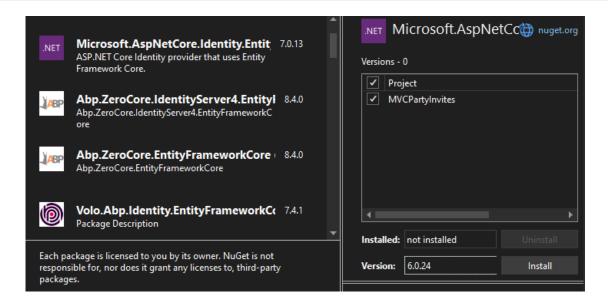
**MVC Web Application MVCPartyInvites** 

- Nuget Package Manager Console
  - Update-database





NPM - Microsoft.AspNetCore.Identity.EntityFrameworkCore



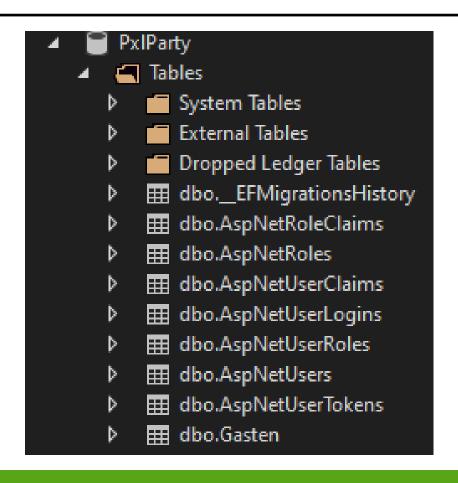
- Nuget Package Manager Browse
  - Identity.EntityFrameworkCore
  - .NET Microsoft.AspNetCore.Identity.EntityFrameworkCore by Microsoft, 66M downloads ASP.NET Core Identity provider that uses Entity Framework Core.



• Data - PartyContext

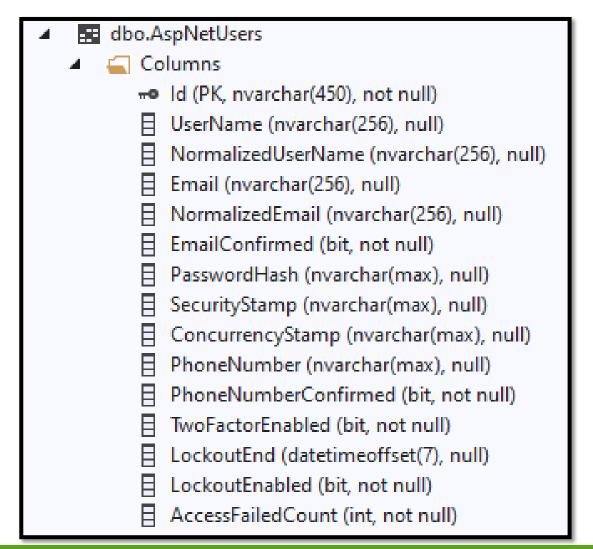


- Nuget Package Manager Console
  - Add-migration identity
  - Update-database





# Identity – IdentityUser AspNetUsers





Program.cs - Services

- IdentityUser
  - AspNetUsers
- IdentityRole
  - AspNetRoles



• Program.cs - Middleware

```
app.UseAuthentication();
app.UseAuthorization();
app.MapControllerRoute(
   name: "default",
   pattern: "{controller=Home}/{action=Index}/{id?}");
...
```



- Views/Shared
  - Add partial View (Add empty razor View)
    - \_LoginPartial.cshtml





- Views/Shared
  - Add partial View (Add empty razor View)
    - \_LoginPartial.cshtml



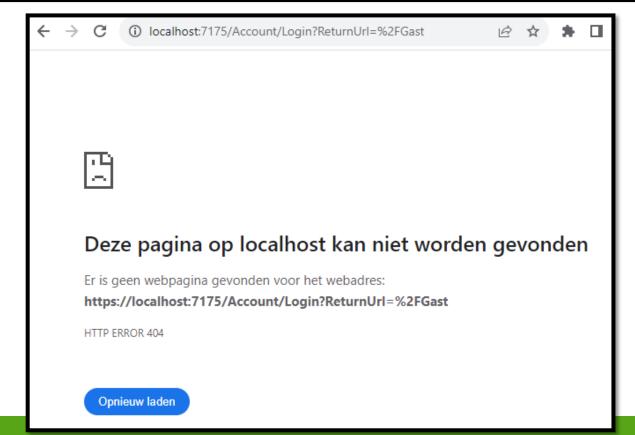
- Views/Shared
  - \_Layout.cshtml

```
Register action
var result = await _userManager.CreateAsync(
       user, Input.Password);
  Signin action
await _signInManager.SignInAsync(user, isPersistent: false);
  <u>Errors – Identity result</u>
foreach (var error in result.Errors)
    ModelState.AddModelError(string.Empty, error.Description);
```



Controllers - GastController

```
namespace MVCPartyInvites.Controllers
{
    [Authorize]
    public class GastController : Controller
```



## **MVCPartyInvites - Identity**

- Add folder ViewModels in Project Folder
  - Add class LoginViewModel

```
namespace MVCPartyInvites.ViewModels
{
    public class LoginViewModel
    {
        public int Id { get; set; }
        public string Email { get; set; }
        public string Password { get; set; }
    }
}
```



## **MVCPartyInvites - Identity**

- Add folder ViewModels in Project Folder
  - Add class RegisterViewModel

```
namespace MVCPartyInvites.ViewModels
{
    public class RegisterViewModel
    {
        public int Id { get; set; }
        public string Email { get; set; }
        public string Password { get; set; }
        public string ConfirmPassword { get; set; }
}
```



# MVCPartyInvites - Identity Identity Framework – AccountController

- Controllers Add empty MVC Controller
  - AccountController



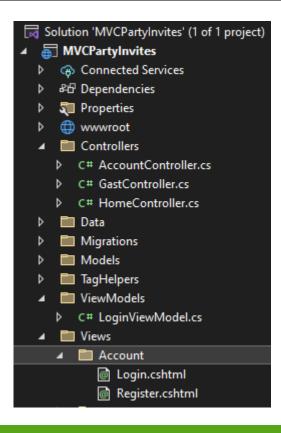
## **MVCPartyInvites - Identity**

#### **Identity Framework – AccountController**

```
namespace MVCPartyInvites.Controllers
{
    public class AccountController : Controller
        public IActionResult Login()
            return View();
        public IActionResult Register()
            return View();
```

#### Identity Framework – AccountController

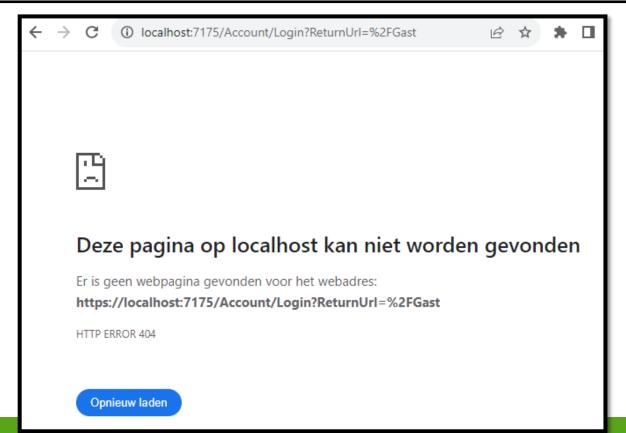
- Views
  - Add Folder Views/Account
    - Scaffold Razor View
      - Login (Create template LoginViewModel)
      - Register (Create template RegisterViewModel)





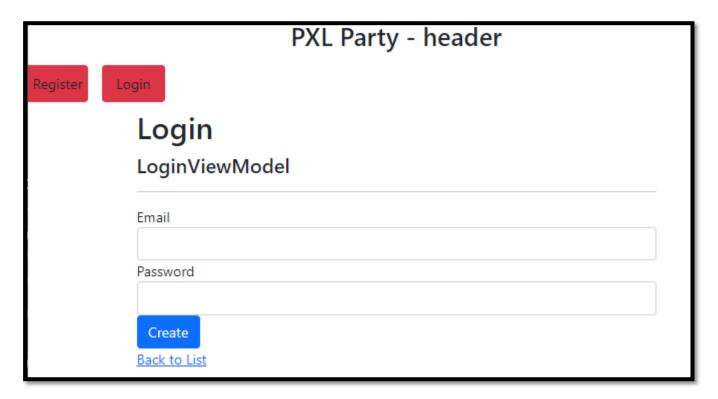
Controllers - GastController

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```





#### **ASP.NET CORE**

#### **Oefening**

**MVCPartyInvites** 

Register

• Controllers - AccountController - Register

```
[HttpPost]
public IActionResult Register(RegisterViewModel registerViewModel)
{
    if (ModelState.IsValid)
    {
        //All Validations in view
    }
    return View();
}
```



• Controllers - AccountController - Register

```
[HttpPost]
public IActionResult Register(RegisterViewModel registerViewModel)
    if (ModelState.IsValid)
        //ConfirmPassword
        if (registerViewModel.Password.Equals(registerViewModel.ConfirmPassword))
                 return RedirectToAction("Index", "Home");
       else
            ModelState.AddModelError("", "Password & comp pwd are not the same!");
   return View();
```



• Controllers - AccountController - Register

```
[HttpPost]
public IActionResult Register(RegisterViewModel registerViewModel)
    if (ModelState.IsValid)
        //ConfirmPassword
        if (registerViewModel.Password.Equals(registerViewModel.ConfirmPassword))
            //UserManager
            var identityUser = new IdentityUser();
            identityUser.Email = registerViewModel.Email;
            identityUser.UserName = registerViewModel.Email;
            var result = _userManager.CreateAsync(
                 identityUser, registerViewModel.Password);
            return RedirectToAction("Index", "Home");
        else
            ModelState.AddModelError("", "Password & comp pwd are not the same!");
   return View();
```

Controllers - AccountController - Register

```
var result = await _userManager.CreateAsync(identityUser,
      registerViewModel.Password);
if (result.Succeeded)
      return RedirectToAction("Index", "Home");
else
      foreach (var error in result.Errors)
             ModelState.AddModelError("", error.Description);
```

