

Kullanıcı Yönetimi (ASP.NET Core Identity Frameworkü Üzerinde Kimlik Doğrulama)

22 Nisan 2020 Çarşamba 17:22



- Kullanıcı Yönetimine Giriş
- **Kimlik Doğrulama (Authentication) ve Yetkilendirme (Authorization) Arasındaki Fark**
- Asp.Net Core Identity (Kimlik) ile Kullanıcı Yönetimi
- Yeni Projelerin Identity ile Başlatılması
- Mevcut Projelere Identity'nin Eklenmesi
- Temel Sınıflara Kalıtım Yoluyla Property Ekleme
- Temel Sınıfların Varsayılan Primary Key'lerini Değiştirme
- Identity ile Kimlik Doğrulama İşlemleri (Register, Login, Logout)
 - Alan (Area) Yapısı
 - Razor Pages
 - Partial View
- Kimlik Doğrulama İşlemlerinde Yeniden Doğrulama (Eposta Onayı - Mail Confirm)
 - Hosting Üzerinde E-Posta Yapılandırması
 - Servis İşlemleri
 - Servis Alma
 - Servislerin Yaşam Ömürleri
 - E-Posta Gönderme
- Kimlik Doğrulama İşlemlerinde Şifre Ayarları

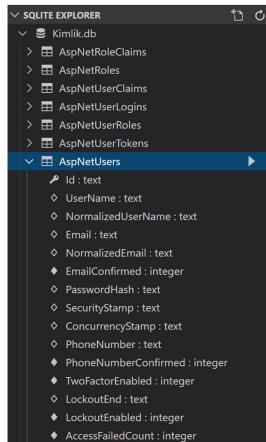
ASP.NET Core'da Identity'e Giriş

- <https://docs.microsoft.com/tr-tr/aspnet/core/security/authentication/identity?view=aspnetcore-3.1&tabs=netcore-cli>
- <https://www.gençayıldız.com/blog/asp-net-core-identity-yazı-dizisi/> (Çok Detaylı, mutlaka bakın)

ASP.NET Identity:

- Kullanıcı arabirimini (UI) oturum açma işlevini destekleyen bir API'dir.
- Kullanıcılar, şifreleri, profil verilerini, rolleri, hak taleplerini, jetonları, e-posta onayını ve daha fazlasını yönetir.
- Kullanıcılar, Identity'de depolanan giriş bilgileriyle bir hesap oluşturabilir veya harici bir giriş sağlayıcı kullanabilirler.
- Desteklenen harici giriş sağlayıcıları arasında [Facebook](#), [Google](#), [Microsoft Hesabı](#) ve [Twitter](#) bulunur.
- [Identity kaynak kodu](#) GitHub'da mevcuttur.
- Identity genellikle kullanıcı adlarını, parolarları ve profil verilerini depolamak için bir SQL Server veritabanı kullanılarak yapılandırılır. Alternatif olarak, SQLite, MySQL gibi veritabanı yönetim sistemleri yanında Azure Tablo Deposu da kullanılabilir.

Identity



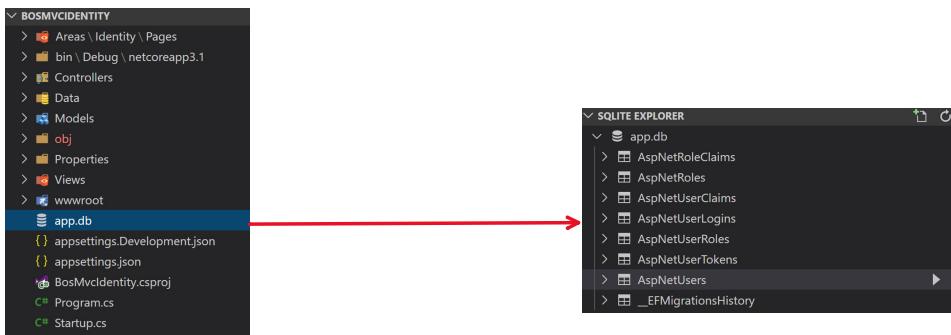
Identity'li boş bir mvc web uygulaması oluşturma

```
C:\Users\erkan>dotnet new mvc -h
Kullanım: new [seçenekler]

Seçenekler:
-h, --help      Displays help for this command.
-l, --list       Lists templates containing the specified name. If no name is specified, lists all templates.
-n, --name       The name for the output being created. If no name is specified, the name of the current directory is used.
-o, --output     Location to place the generated output.
-i, --install    Installs a source or a template pack.
-u, --uninstall  Uninstalls a source or a template pack.
--nuget-source  Specifies a NuGet source to use during install.
--type          Filters templates based on available types. Predefined values are "project", "item" or "other".
--dry-run       Displays a summary of what would happen if the given command line were run if it would result in a template creation.
--force         Forces content to be generated even if it would change existing files.
--lang, --language  Filters templates based on language and specifies the language of the template to create.
--update-check   Check the currently installed template packs for updates.
--update-apply   Check the currently installed template packs for update, and install the updates.

ASP.NET Core Web App (Model-View-Controller) (C#)
Author: Microsoft
Description: A project template for creating an ASP.NET Core application with example ASP.NET Core MVC Views and Controllers. This template can also be used for RESTful HTTP services.
This template contains technologies from parties other than Microsoft, see https://aka.ms/aspnetcore/5.0-third-party-notices for details.
Options:
--auth          The type of authentication to use
  None           - No authentication
  Individual     - Individual authentication
  IndividualB2C  - Individual authentication with Azure AD B2C
  SingleOrg      - Organizational authentication for a single tenant
  MultiOrg       - Organizational authentication for multiple tenants
  Windows        - Windows authentication
  Default: None
```

- dotnet new mvc --auth Individual
- dotnet ef database update (Gerekirse migration'lari uygulamak için)



BosMvcIdentity Home Privacy Register Login

Register

Create a new account.

Email
erkanhurnali@gmail.com

Password

Confirm password
|

Register

#	Id	AccessFailedCount	ConcurrencyStamp	Email	EmailConfirmed	LockoutEnabled	LockoutEnd	NormalizedEmail	NormalizedUserName	PasswordHash
1	16a3b673-e355-497a-9fcc-6b2aed06e60	0	6c04652c-c7d7-40a2-b306-ee30c398b41e	erkanhurnali@gmail.com	1	1	NULL	ERKANHURNALI@GMAIL.COM	ERKANHURNALI@GMAIL.COM	AQAAAAEAACQAAEAEbtJMOGk9bpMvFLV9F7jM2wqCh

Manage your account

Change your account settings

Profile

Email

Password

Two-factor authentication

Personal data

Change password

Current password

New password

Confirm new password

Update password

İskele Yapısı ile Mevcut Bir Projeye Identity Ekleme

Hatırlatma

ASP.NET Core iskele kurucu daha önce yüklemiyorsanız şimdi yükleyin:

.NET Core CLI

`dotnet tool install -g dotnet-aspnet-codegenerator`

```
PS C:\Users\erkan\source\repos\OrnekDenemeleri\2019Bahar\Programlama_III\10 - ETicaretSQLite_Identity> dotnet aspnet-codegenerator -h

Usage: aspnet-codegenerator [arguments] [options]

Arguments:
  generator  Name of the generator. Check available generators below.

Options:
  -p|--project      Path to .csproj file in the project.
  -n|--nuget-package-dir
  -c|--configuration Configuration for the project (Possible values: Debug/ Release)
  -tfm|--target-framework Target Framework to use. (Short folder name of the tfm. eg. net46)
  -b|--build-base-path
  --no-build

Available generators:
  area      : Generates an MVC Area.
  controller: Generates a controller.
  identity  : Generates an MVC Area with controllers and
  razorpage : Generates RazorPage(s).
  view      : Generates a view.
```

```
dotnet add package Microsoft.VisualStudio.Web.CodeGeneration.Design  (CodeGenator için Gerekli)
dotnet add package Microsoft.EntityFrameworkCore.Design
dotnet add package Microsoft.EntityFrameworkCore.SqlServer
```

```

PS C:\Users\erkan\source\repos\OrnekDenemeleri\2019Bahar\Programlama_III\10 - ETicaretSQLite_Identity_Ornek> dotnet aspnet-codegenerator identity ..

Usage: aspnet-codegenerator [arguments] [options]

Arguments:
  generator  Name of the generator. Check available generators below.

Options:
  -p|--project      Path to .csproj file in the project.
  -n|--nuget-package-dir
  -c|--configuration Configuration for the project (Possible values: Debug/ Release)
  -tfm|--target-framework Target Framework to use. (Short folder name of the tfm. eg. net46)
  -b|--build-base-path
  --no-build

Selected Code Generator: identity

Generator Options:
  --dbContext|-dc : Name of the DbContext to use, or generate (if it does not exist).
  --files|-f       : List of semicolon separated files to scaffold. Use the --listFiles option to see the available options.
  --listFiles|-lf   : Lists the files that can be scaffolded by using the '--files' option.
  --userClass|-u   : Name of the User class to generate.
  --useSQLite|-sqlite : Flag to specify if DbContext should use SQLite instead of SQL Server.
  --force|-f       : Use this option to overwrite existing files.
  --useDefaultUI|-udu : Use this option to setup Identity and to use Default UI.
  --layout|-l       : Specify a custom layout file to use.
  --generateLayout|-gl : Use this option to generate a new _Layout.cshtml
  --bootstrapVersion|-b : Specify the bootstrap version. Valid values: '3', '4'. Default is 4.

```

Kurulması Gereken Diğer Paketler

- dotnet add package Microsoft.AspNetCore.Identity.EntityFrameworkCore
- dotnet add package Microsoft.AspNetCore.Identity.UI

Temel Sınıflar İle Identity Yapılandırması

- dotnet aspnet-codegenerator identity -dc ETicaret.Data.ETicaretContext --files "Account.Register;Account.Login;Account.Logout"
- dotnet aspnet-codegenerator identity -dc ETicaret.Data.ETicaretContext (tüm dosyaları ekler)

```

PS C:\Users\erkan\source\repos\OrnekDenemeleri\2019Bahar\Programlama_III\10 - ETicaretSQLite_Identity> dotnet aspnet-codegenerator identity --listFiles
Building project ...
Finding the generator 'identity'...
Running the generator 'identity'...
File List:
Account_StatusMessage
Account_AccessDenied
Account_ConfirmEmail
Account_ConfirmEmailChange
Account_ExernalLogin
Account_ForgotPassword
Account_ForgotPasswordConfirmation
Account_Lockout
Account_Login
Account_LoginWith2fa
Account_LoginWithRecoveryCode
Account_Logout
Account_Manage_Layout
Account_Manage_ManageNav
Account_Manage_StatusMessage
Account_Manage_ChangePassword
Account_Manage_DeletePersonalData
Account_Manage_Disable2fa
Account_Manage_DownloadPersonalData
Account_Manage_Email
Account_Manage_EnableAuthenticator
Account_Manage_ExternalLogins
Account_Manage_GenerateRecoveryCodes
Account_Manage_Index
Account_Manage_PersonalData
Account_Manage_ResetAuthenticator
Account_Manage_SetPassword
Account_Manage_ShowRecoveryCodes
Account_Manage_TwoFactorAuthentication
Account_Register
Account_RegisterConfirmation
Account_ResendEmailConfirmation
Account_ResetPassword
Account_ResetPasswordConfirmation

```

```

PS C:\Users\erkan\source\repos\OrnekDenemeleri\2019Bahar\Programlama_III\10 - ETicaretSQLite_Identity_AppUser_AppRole> dotnet aspnet-codegenerator identity -dc ETicaret.Data.ETicaretContext --files "Account.Register;Account.Login;Account.Logout"
Building project ...
Finding the generator 'identity'...
Running the generator 'identity'...
DbContext type 'ETicaretContext' is found but it does not inherit from 'Microsoft.AspNetCore.Identity.EntityFrameworkCore.IdentityDbContext'.
  at Microsoft.VisualStudio.Web.CodeGeneration.ActionInvoker.<BuildCommandLine>b__6_0()
  at Microsoft.Extensions.CommandLineUtils.CommandLineApplication.Execute(String[] args)
  at Microsoft.VisualStudio.Web.CodeGeneration.ActionInvoker.Execute(String[] args)
  at Microsoft.VisualStudio.Web.CodeGeneration.CodeGenCommand.Execute(String[] args)
RunTime 00:00:14.25

```

```
at Microsoft.EntityFrameworkCore.RelationalModelBuilderExcecuteOnModelCreatingAction.OnModelCreating(ModelBuilder modelBuilder)
The entity type 'IdentityUserLogin<string>' requires a primary key to be defined. If you intended to use a keyless entity type call 'HasNoKey()'.
```



```
protected override void OnModelCreating(ModelBuilder modelBuilder)
{
    base.OnModelCreating(modelBuilder);
    modelBuilder.Entity<KategoriUrut>()
        .HasKey(t => new { t.KategoriId, t.UrunId }); //Birleşik Id:PK
}
```

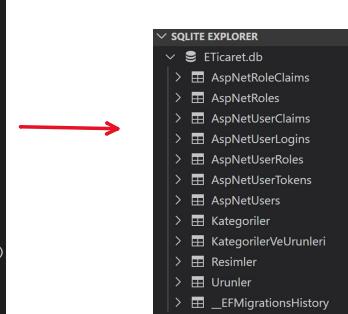
```
C# Startup.cs
C# Startup.cs < ...
27     // This method gets called by the runtime. Use this method to add services to the container.
28     0 references
29     public void ConfigureServices(IServiceCollection services)
30     {
31         services.AddDbContext<ApplicationDbContext>(options =>
32             options.UseSqlite(
33                 Configuration.GetConnectionString("DefaultConnection")));
34         services.AddDefaultIdentity<IdentityUser>(options => options.SignIn.RequireConfirmedAccount = true
35             .AddEntityFrameworkStores<ApplicationDbContext>());
36         services.AddControllersWithViews();
37         services.AddRazorPages();
38
39     // This method gets called by the runtime. Use this method to configure the HTTP request pipeline.
40     0 references
41     public void Configure(IApplicationBuilder app, IWebHostEnvironment env)
42     {
43         if (env.IsDevelopment())
44         {
45             app.UseDeveloperExceptionPage();
46             app.UseDatabaseErrorPage();
47         }
48         else
49         {
50             app.UseExceptionHandler("/Home/Error");
51             // The default HSTS value is 30 days. You may want to change this for production scenarios, see
52             app.UseHsts();
53         }
54         app.UseHttpsRedirection();
55         app.UseStaticFiles();
56
57         app.UseRouting();
58
59         app.UseAuthentication();
60         app.UseAuthorization();
61
62         app.UseEndpoints(endpoints =>
63         {
64             endpoints.MapControllerRoute(
65                 name: "default",
66                 pattern: "{controller=Home}/{action=Index}/{id?}");
67             endpoints.MapRazorPages();
68         });
69     }
70 }
```

- dotnet ef migrations add Kimlik
- dotnet ef database update

```

C# 20200423102303_Kimlik.cs X
Migrations > C# 20200423102303_Kimlik.cs > ...
1  using System;
2  using Microsoft.EntityFrameworkCore.Migrations;
3
4  namespace ETicaret.Migrations
5  {
6      0 references
7      public partial class Kimlik : Migration
8      {
9          0 references
10         protected override void Up(MigrationBuilder migrationBuilder)
11         {
12             migrationBuilder.CreateTable(
13                 name: "AspNetRoles",
14                 columns: table => new
15                 {
16                     Id = table.Column<string>(nullable: false),
17                     Name = table.Column<string>(maxLength: 256, nullable: true),
18                     NormalizedName = table.Column<string>(maxLength: 256, nullable: true),
19                     ConcurrencyStamp = table.Column<string>(nullable: true)
20                 },
21                 constraints: table =>
22                 {
23                     table.PrimaryKey("PK_AspNetRoles", x => x.Id);
24                 });
25
26         migrationBuilder.CreateTable(
27             name: "AspNetUsers",
28             columns: table => new
29             {
30                 Id = table.Column<string>(nullable: false),
31                 UserName = table.Column<string>(maxLength: 256, nullable: true),
32                 NormalizedUserName = table.Column<string>(maxLength: 256, nullable: true),
33                 Email = table.Column<string>(maxLength: 256, nullable: true),
34                 NormalizedEmail = table.Column<string>(maxLength: 256, nullable: true),
35                 EmailConfirmed = table.Column<bool>(nullable: false),
36                 PasswordHash = table.Column<string>(nullable: true),
37                 SecurityStamp = table.Column<string>(nullable: true),
38                 ConcurrencyStamp = table.Column<string>(nullable: true),
39                 PhoneNumber = table.Column<string>(nullable: true),
40                 PhoneNumberConfirmed = table.Column<bool>(nullable: false),
41                 TwoFactorEnabled = table.Column<bool>(nullable: false),
42                 LockoutEnd = table.Column<DateTimeOffset>(nullable: true),
43                 LockoutEnabled = table.Column<bool>(nullable: false),
44                 AccessFailedCount = table.Column<int>(nullable: false)
45             },
46             constraints: table =>
47             {
48                 table.PrimaryKey("PK_AspNetUsers", x => x.Id);
49             });
50         }
51     }

```



```

@_Layout.cshtml X
Views > Shared > @_Layout.cshtml
17     <span class="navbar-toggler-icon"></span>
18 </button>
19 <div class="navbar collapse collapse d-sm-inline-flex flex-sm-row-reverse">
20     <partial name="_LoginPartial" />
21     <ul class="navbar-nav flex-grow-1">
22         <li class="nav-item">
23             <a class="nav-link text-dark" asp-area="" asp-controller="Home" asp-action="Index">Ana Sayfa</a>
24         </li>
25         <li class="nav-item">
26             <a class="nav-link text-dark" asp-area="" asp-controller="Home" asp-action="Privacy">Güvenlik Politikamız</a>
27         </li>
28         <form class="form-inline">
29             <a class="btn btn-outline-info btn-sm mx-3" asp-area="" asp-controller="KategoriIslemleri" asp-action="Index">
30                 <a class="btn btn-outline-primary btn-sm" asp-area="" asp-controller="UrunIslemleri" asp-action="Index"><i class="fas fa-shopping-cart"></i> Ürünler</a>
31             </a>
32         </form>
33     </ul>
34 </div>

```

25.Yıl [Ana Sayfa](#) [Güvenlik Politikamız](#) [Kategori Yönetimi](#) [Ürün Yönetimi](#) [Kayıt ol](#) [Oturum aç](#)

Kayıt onayı

Bu uygulamanın şu anda kayıtlı gerçek bir e-posta gönderici yok, gerçek bir e-posta göndereni nasıl yapılandıracağınız için [bu belgelere](#) bakın . Normalde bu e-postayla gönderilir: [Hesabınızı onaylamak için burayı tıklayın](#)

SQLITE X

SELECT * FROM `AspNetUsers`;							
#	Id	UserName	NormalizedUserName	Email	NormalizedEmail	EmailConfirmed	PasswordHash
1	9cd8aea8-d7fb-4ece-b479-fb99d86ae353	erkanhurnali@gmail.com	ERKANHURNALI@GMAIL.COM	erkanhurnali@gmail.com	ERKANHURNALI@GMAIL.COM	0	AQAAAAEAACcQAAAEPjho/LadfZ20RW/TIV6Uvhf4J2lytdTXoeSKYK

SQLITE X

SELECT * FROM `AspNetUsers`;							
#	Id	UserName	NormalizedUserName	Email	NormalizedEmail	EmailConfirmed	PasswordHash
1	9cd8aea8-d7fb-4ece-b479-fb99d86ae353	erkanhurnali@gmail.com	ERKANHURNALI@GMAIL.COM	erkanhurnali@gmail.com	ERKANHURNALI@GMAIL.COM	1	AQAAAAEAACcQAAAEPjho/LadfZ20RW/TIV6Uvhf4J2lytdTXoeSKYK

Log in

Use a local account to log in.

Email

erkanhurnali@gmail.com

Password

.....

Remember me?

Log in

[Forgot your password?](#)

[Register as a new user](#)

[Resend email confirmation](#)

Use another service to log in.

There are no external authentication services configured. See [this article](#) for details on setting up this ASP.NET application to support logging in via external services.

Manage your account

Change your account settings

Profile

Email

Password

Two-factor authentication

Personal data

Manage Email

Email

erkanhurnali@gmail.com

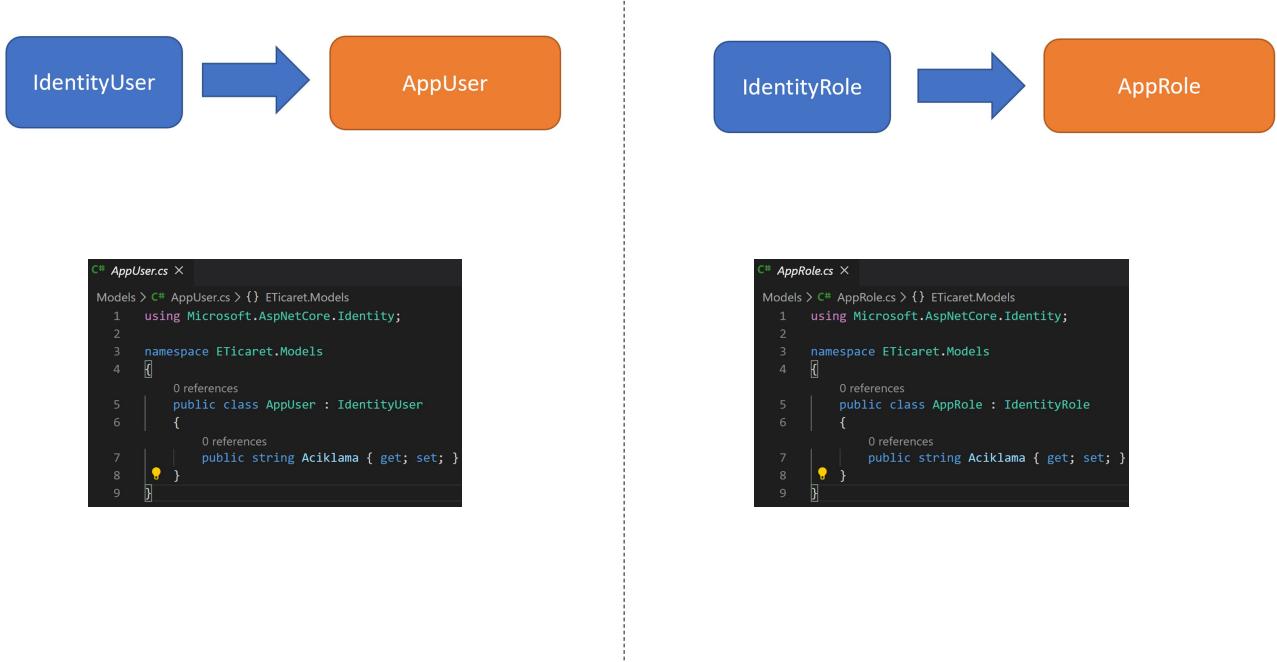


New email

erkanhurnali@gmail.com

[Change email](#)

[Temel Sınıflara Kalıtım Yoluyla Property Ekleme](#)



A screenshot of the **Startup.cs** file in a code editor. The configuration for Identity services is highlighted with a red box:

```
C# Startup.cs
C# Startup.cs > {} ETicaret > ConfigureServices(IServiceCollection services)
29
30     services.AddControllersWithViews();
31
32     services.AddDbContext<ETicaretContext>(options =>
33         options.UseSqlite(Configuration.GetConnectionString("ETicaretContext")));
34
35     services.AddIdentity<AppUser, AppRole>(options => options.SignIn.RequireConfirmedAccount = true)
36         .AddEntityFrameworkStores<ETicaretContext>();
37     services.AddControllersWithViews();
38     services.AddRazorPages();
39 
```

A screenshot of the **ETicaretContext.cs** file in a code editor. The **ETicaretContext** class definition is shown:

```
C# ETicaretContext.cs
Data > C# EficaretContext.cs > {} Eficaret.Data > ETicaret.Data.ETicaretContext
6   using Eficaret.Models;
7   using Microsoft.AspNetCore.Identity.EntityFrameworkCore;
8
9   namespace Eficaret.Data
10  {
11      12 references
12      public class ETicaretContext : IdentityDbContext<AppUser, AppRole, string>
13      {
14          1 reference
15          public ETicaretContext (DbContextOptions<ETicaretContext> options)
16          {
17          }
18  }
```

C# 20200423105146_Kimlik.cs ×

```

Migrations > C# 20200423105146_Kimlik.cs > {} ETicaret.Migrations > ⚙️ ETicaret.Migrations.Kimlik > ⚡ Up(MigrationBuilder migrationBuilder)
  1  using System;
  2  using Microsoft.EntityFrameworkCore.Migrations;
  3
  4  namespace ETicaret.Migrations
  5  {
  6      0 references
  7      public partial class Kimlik : Migration
  8      {
  9          0 references
 10          protected override void Up(MigrationBuilder migrationBuilder)
 11          {
 12              migrationBuilder.CreateTable(
 13                  name: "AspNetRoles",
 14                  columns: table => new
 15                  {
 16                      Id = table.Column<string>(nullable: false),
 17                      Name = table.Column<string>(maxLength: 256, nullable: true),
 18                      NormalizedName = table.Column<string>(maxLength: 256, nullable: true),
 19                      ConcurrencyStamp = table.Column<string>(nullable: true),
 20                      Aciklama = table.Column<string>(nullable: true)
 21                  },
 22                  constraints: table =>
 23                  {
 24                      table.PrimaryKey("PK_AspNetRoles", x => x.Id);
 25                  });
 26
 27              migrationBuilder.CreateTable(
 28                  name: "AspNetUsers",
 29                  columns: table => new
 30                  {
 31                      Id = table.Column<string>(nullable: false),
 32                      UserName = table.Column<string>(maxLength: 256, nullable: true),
 33                      NormalizedUserName = table.Column<string>(maxLength: 256, nullable: true),
 34                      Email = table.Column<string>(maxLength: 256, nullable: true),
 35                      NormalizedEmail = table.Column<string>(maxLength: 256, nullable: true),
 36                      EmailConfirmed = table.Column<bool>(nullable: false),
 37                      PasswordHash = table.Column<string>(nullable: true),
 38                      SecurityStamp = table.Column<string>(nullable: true),
 39                      ConcurrencyStamp = table.Column<string>(nullable: true),
 40                      PhoneNumber = table.Column<string>(nullable: true),
 41                      PhoneNumberConfirmed = table.Column<bool>(nullable: false),
 42                      TwoFactorEnabled = table.Column<bool>(nullable: false),
 43                      LockoutEnd = table.Column<DateTimeOffset>(nullable: true),
 44                      LockoutEnabled = table.Column<bool>(nullable: false),
 45                      AccessFailedCount = table.Column<int>(nullable: false),
 46                      Aciklama = table.Column<string>(nullable: true)
 47                  });
 48          }
 49      }
 50  }

```

Varsayılan Primary Key Türünün Değiştirilmesi

C# ETicaretContext.cs ×

```

Data > C# ETicaretContext.cs > {} ETicaret.Data > ⚙️ ETicaret.Data.ETicaretContext
  1  using ETicaret.Models;
  2  using Microsoft.AspNetCore.Identity.EntityFrameworkCore;
  3
  4  namespace ETicaret.Data
  5  {
  6      10 references
  7      public class ETicaretContext : IdentityDbContext<AppUser, AppRole, int>
  8      {
  9          1 reference
 10          public ETicaretContext(DbContextOptions<ETicaretContext> options)
 11          {
 12              base(options);
 13          }
 14      }
 15  }

```

C# ApplicationUser.cs ×

```

Models > C# ApplicationUser.cs > {} ETicaret.Models
  1  using Microsoft.AspNetCore.Identity;
  2
  3  namespace ETicaret.Models
  4  {
  5      1 reference
  6      public class ApplicationUser : IdentityUser<int>
  7      {
  8          0 references
  9          public string Aciklama { get; set; }
 10      }
 11  }

```

C# AppRole.cs ×

```

Models > C# AppRole.cs > {} ETicaret.Models
  1  using Microsoft.AspNetCore.Identity;
  2
  3  namespace ETicaret.Models
  4  {
  5      1 reference
  6      public class AppRole : IdentityRole<int>
  7      {
  8          0 references
  9          public string Aciklama { get; set; }
 10      }
 11  }

```

E-Posta Doğrulaması

```

using System.Net;
using System.Net.Mail;
using System.Threading.Tasks;
using Microsoft.AspNetCore.Identity.UI.Services;
public class EmailSender : IEmailSender
{
    public Task SendEmailAsync(string email, string subject, string htmlMessage)

```

```

    {
        MailMessage mail = new MailMessage();
        mail.IsBodyHtml = true;
        mail.To.Add(email);
        mail.From = new MailAddress("admin@optikanaliz.email", "Yönetim", System.Text.Encoding.UTF8);
        mail.Subject = subject;
        mail.Body = htmlMessage;
        mail.IsBodyHtml = true;
        SmtpClient smp = new SmtpClient();
        smp.Credentials = new NetworkCredential("admin@optikanaliz.email", "***");
        smp.Port = 587;
        smp.Host = "mail.optikanaliz.email";
        smp.EnableSsl = false;
        smp.Send(mail);
        return Task.CompletedTask;
    }
}

```

Şifre Ayarları

```

services.Configure<IdentityOptions>(options => {
    // Default Password settings.
    options.Password.RequireDigit = true;
    options.Password.RequireLowercase = true;
    options.Password.RequireNonAlphanumeric = true;
    options.Password.RequireUppercase = true;
    options.Password.RequiredLength = 6;
    options.Password.RequiredUniqueChars = 1;
});

```

Kaynak:<<https://docs.microsoft.com/tr-tr/aspnet/core/security/authentication/identity-configuration?view=aspnetcore-3.1>>

```

public class PasswordOptions
{
    public int RequiredLength { get; set; } = 6;
    public int RequiredUniqueChars { get; set; } = 1;
    public bool RequireNonAlphanumeric { get; set; } = true;
    public bool RequireLowercase { get; set; } = true;
    public bool RequireUppercase { get; set; } = true;
    public bool RequireDigit { get; set; } = true;
}

```

Override Password Default Settings

```

services.Configure<IdentityOptions>(options =>
{
    options.Password.RequiredLength = 10;
    options.Password.RequiredUniqueChars = 3;
    options.Password.RequireNonAlphanumeric = false;
});

```

OR

```

services.AddIdentity<IdentityUser, IdentityRole>(options =>
{
    options.Password.RequiredLength = 10;
    options.Password.RequiredUniqueChars = 3;
    options.Password.RequireNonAlphanumeric = false;
})
.AddEntityFrameworkStores<AppDbContext>();

```