

# Nesneye Yönelik Programlama Final Projesi

Zelal Tunç- 211216069

Herhangi bir giriş yapılmamış ana Sayfa

zelal\_tunc\_211216069 Home Privacy

Login Register

## Hoş Geldiniz

Login sayfası

zelal\_tunc\_211216069 Home Privacy

Login Register

## Login

Username

Password

Login

<

## Login.cshtml Sayfası komutları

```
1 @model LoginViewModel
2 @{
3     ViewData["Title"] = "Login";
4 }
5
6 <div class="row">
7     <div class="col-4 offset-4">
8         <h1 class="display-4 border-bottom text-center pb-2"> @ViewData["Title"]</h1>
9     </div>
10 </div>
11
12 <div class="row">
13     <div class="col">
14         <form method="post">
15             <div asp-validation-summary="ModelOnly" class="text-danger small"></div>
16
17             <div class="form-group mb-3">
18                 <label asp-for="UserName" class="form-label">Username</label>
19                 <input asp-for="UserName" class="form-control" placeholder="johndoe" />
20                 <span asp-validation-for="UserName" class="text-danger small"></span>
21             </div>
22
23             <div class="form-group mb-3">
24                 <label asp-for="Password" class="form-label">Password</label>
25                 <input asp-for="Password" type="password" class="form-control" placeholder="P@ssW0rd!" />
26                 <span asp-validation-for="Password" class="text-danger small"></span>
27             </div>
28
29             <div class="form-group d-grid mb-3">
30                 <button type="submit" class="btn btn-primary d-block">Login</button>
31             </div>
32         </form>
33     </div>
34 </div>
35 </div>
36 </div>
```

## Login Controller sayfası:

```
1 [HttpPost]
2 1 başyuru
3 public IActionResult Login(LoginViewModel model)
4 {
5     if (ModelState.IsValid)
6     {
7         string md5Salt = _configuration.GetValue<string>("AppSettings:MD5Salt");
8         string saltedPassword = model.Password + md5Salt;
9         string hashedPassword = saltedPassword.MD5();
10
11         User user = _dbContext.Users.FirstOrDefault(x => x.Username.ToLower() == model.Username.ToLower() && x.Password == hashedPassword);
12
13         if (user != null)
14         {
15             if (user.Locked)
16             {
17                 ModelState.AddModelError(nameof(model.Username), "Bu isim zaten var");
18             }
19         }
20         else {
21             ModelState.AddModelError("", "İsim ya da şifre giriniz");
22         }
23     }
24     List<Claim> claims = new List<Claim>();
25     claims.Add(new Claim(ClaimTypes.NameIdentifier, user.Id.ToString()));
26     claims.Add(new Claim(ClaimTypes.Name, user.FullName ?? string.Empty));
27     claims.Add(new Claim("Username", user.Username));
28
29     ClaimsIdentity identity = new ClaimsIdentity(claims,
30         CookieAuthenticationDefaults.AuthenticationScheme);
31
32     ClaimsPrincipal principal = new ClaimsPrincipal(identity);
33     HttpContext.SignInAsync(CookieAuthenticationDefaults.AuthenticationScheme, principal);
34     return RedirectToAction("Index", "Home");
35 }
36 return View(model);
37 }
```

## Login Model komutları:

```
1 using System.ComponentModel.DataAnnotations;
2
3 namespace zelal_tunc_211216069.Models
4 {
5     4 başvuru
6     public class LoginViewModel
7     {
8         [Required(ErrorMessage = "Lütfen bir kullanıcı adı giriniz.")]
9         [StringLength(25)]
10        5 başvuru
11        public string Username { get; set; }
12
13        [Required(ErrorMessage = "Lütfen bir şifre giriniz.")]
14        [MaxLength(16)]
15        [MinLength(5)]
16        4 başvuru
17        public string Password { get; set; }
18    }
19 }
```

## Başarılı bir giriş sonrasında karşılaşılan sayfa:

zelal\_tunc\_211216069 Home Privacy zelal Logout

# Hoş Geldiniz

## Şifre kısmı boş geçildiğinde verilen uyarı:

zelal\_tunc\_211216069 Home Privacy Login Register

# Login

Username

zelal

Password

P@ssW0rd!

Lütfen bir şifre giriniz.

Login

<

Şifrenin minimum karakter uzunluğu 5'dir. Buna uygun şifre girilmediğinde verilen uyarı:

zela\_tunc\_211216069 Home Privacy

Login Register

## Login

Username

zela

Password

P@ssW0rd!

The field Password must be a string or array type with a minimum length of '5'.

Login

## Register Sayfası:

zela\_tunc\_211216069 Home Privacy

Login Register

## Register

Username

johndoe

FullName

johndoe

Password

P@ssW0rd!

Second-Password

P@ssW0rd!

Register

<

## Register.cshtml sayfası:

```
1  @model RegisterViewModel
2  @{
3      ViewData["Title"] = "Register";
4  }
5
6  <div class="row">
7      <div class="col-4 offset-4">
8          <h1 class="display-4 border-bottom text-center pb-2"> @ViewData["Title"]</h1>
9      </div>
10 </div>
11
12 <div class="row">
13     <div class="col">
14         <form method="post">
15             <div asp-validation-summary="ModelOnly" class="text-danger small"></div>
16
17             <div class="form-group mb-3">
18                 <label asp-for="UserName" class="form-label">Username</label>
19                 <input asp-for="UserName" class="form-control" placeholder="johndoe" />
20                 <span asp-validation-for="UserName" class="text-danger small"></span>
21             </div>
22
23             <div class="form-group mb-3">
24                 <label asp-for="FullName" class="form-label">FullName</label>
25                 <input asp-for="FullName" class="form-control" placeholder="johndoe" />
26                 <span asp-validation-for="FullName" class="text-danger small"></span>
27             </div>
28
29             <div class="form-group mb-3">
30                 <label asp-for="Password" class="form-label">Password</label>
31                 <input asp-for="Password" type="password" class="form-control" placeholder="P@ssW0rd!" />
32                 <span asp-validation-for="Password" class="text-danger small"></span>
33             </div>
34
35             <div class="form-group mb-3">
36                 <label asp-for="SecondPassword" class="form-label">Second-Password</label>
37                 <input asp-for="SecondPassword" type="password" class="form-control" placeholder="P@ssW0rd!" />
38                 <span asp-validation-for="SecondPassword" class="text-danger small"></span>
39             </div>
40
41             <div class="form-group d-grid mb-3">
42                 <button type="submit" class="btn btn-primary d-block">Register</button>
43             </div>
44         </form>
45     </div>
46 </div>
47 </div>
48
49
```

## Register Controller:

```
67
68 public IActionResult Register()
69 {
70     return View();
71 }
72 [HttpPost]
73
74 public IActionResult Register(RegisterViewModel model)
75 {
76     if (ModelState.IsValid)
77     {
78         if (_dbContext.Users.Any(x => x.Username.ToLower() == model.Username.ToLower()))
79         {
80             ModelState.AddModelError(nameof(model.Username), "Bu isim zaten var");
81             View(model);
82         }
83
84         string md5Salt = _configuration.GetValue<string>("AppSettings:MD5Salt");
85         string saltedPassword = model.Password + md5Salt;
86         string hashedPassword = saltedPassword.MD5();
87
88         User user = new()
89         {
90             Username = model.Username,
91             FullName = model.FullName,
92             Password = hashedPassword,
93         };
94         _dbContext.Users.Add(user);
95         _dbContext.SaveChanges();
96     }
97     return View(model);
98 }
99
100 public IActionResult Logout()
101 {
102     HttpContext.SignOutAsync(CookieAuthenticationDefaults.AuthenticationScheme);
103     return RedirectToAction(nameof(Login));
104 }
105
106
107
```

## Register Model:

```
1 using Microsoft.EntityFrameworkCore;
2 using System.ComponentModel.DataAnnotations;
3
4 namespace zela_tunc_211216069.Models
5 {
6     4 başvuru
7     public class RegisterViewModel
8     {
9         [Required(ErrorMessage = "Lütfen bir kullanıcı adı giriniz.")]
10        [StringLength(25)]
11        6 başvuru
12        public string Username { get; set; }
13        [Required(ErrorMessage = "Lütfen bir kullanıcı adı giriniz.")]
14        [StringLength(25)]
15        4 başvuru
16        public string FullName { get; set; }
17
18        [Required(ErrorMessage = "Lütfen bir şifre giriniz.")]
19        [MaxLength(16)]
20        [MinLength(5)]
21        4 başvuru
22        public string Password { get; set; }
23
24        [Required(ErrorMessage = "Lütfen şifrenizi tekrar giriniz.")]
25        [MaxLength(16)]
26        [MinLength(5)]
27        3 başvuru
28        public string SecondPassword { get; set; }
29    }
30 }
```

## Başarılı Register işlemi:

zela\_tunc\_211216069 [Home](#) [Privacy](#) [Login](#) [Register](#)

Register

Username

deneme

FullName

denemee

Password

P@ssW0rd!

Second-Password

P@ssW0rd!

Register

Register da kayıt olurken herhangi bir şifre girilmediği durumunda verilen hata:

zelal\_tunc\_211216069 Home Privacy

Login Register

## Register

Username

deneme

FullName

denemee

Password

P@ssW0rd!

Lütfen bir şifre giriniz.

Second-Password

P@ssW0rd!

Lütfen şifrenizi tekrar giriniz.

Register

Şifre uzunluğu minimum 5 olması gerektiği için kullanıcıya giden uyarı mesajı:

zelal\_tunc\_211216069 Home Privacy

Login Register

## Register

Username

deneme

FullName

denemee

Password

P@ssW0rd!

The field Password must be a string or array type with a minimum length of '5'.

Second-Password

P@ssW0rd!

The field SecondPassword must be a string or array type with a minimum length of '5'.

Register

## Kayıt sonrası Database:

	Id	FullName	Username	Password	Locked	CreatedAt	Role
▶	2	testdeneme	testdeneme	9962D34D4...	False	2023-06-11 ...	user
	3	sw	zelall	432109737...	False	2023-06-11 ...	user
	4	tunc	zelal	E72014960F...	False	2023-06-11 ...	user
	5	denemee	deneme	E72014960F...	False	2023-06-11 ...	user
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL

## Profil Sayfası:

zelal\_tunc\_211216069 Home Privacy

zelal Logout

### Profile

Username

Full Name

Password

Second-Password

Update

## Profile.cshtml:

```
9 | </div>
10 |
11 | <div class="row">
12 |   <div class="col">
13 |     <form method="post">
14 |       <div asp-validation-summary="ModelOnly" class="text-danger small"></div>
15 |
16 |       <div class="form-group mb-3">
17 |         <label class="form-label">Username</label>
18 |         <input class="form-control" placeholder="johndoe" />
19 |         <span class="text-danger small"></span>
20 |       </div>
21 |
22 |       <div class="form-group mb-3">
23 |         <label class="form-label">Full Name</label>
24 |         <input class="form-control" placeholder="johndoe" />
25 |         <span class="text-danger small"></span>
26 |       </div>
27 |
28 |       <div class="form-group mb-3">
29 |         <label class="form-label">Password</label>
30 |         <input type="password" class="form-control" placeholder="P@ssW0rd!" />
31 |         <span class="text-danger small"></span>
32 |       </div>
33 |
34 |       <div class="form-group mb-3">
35 |         <label class="form-label">Second-Password</label>
36 |         <input type="password" class="form-control" placeholder="P@ssW0rd!" />
37 |         <span class="text-danger small"></span>
38 |       </div>
39 |
40 |       <div class="form-group d-grid mb-3">
41 |         <button type="submit" class="btn btn-primary d-block">Update</button>
42 |       </div>
43 |     </form>
44 |   </div>
45 |
46 | </div>
47 | </div>
```



Logout:

```
0 başvuru
public IActionResult Logout()
{
    HttpContext.SignOutAsync(CookieAuthenticationDefaults.AuthenticationScheme);
    return RedirectToAction(nameof(Login));
}
}
```

appsettings.json:

```
1
2 "AppSettings": {
3   "MD5Salt": "B99AA85987DE"
4 },
5 "ConnectionStrings": {
6   "DefaultConnection": "Server=DESKTOP-MAL36BG\\MSSQLSERVER01;Database=UserDb;Trusted_Connection=true;TrustServerCertificate=True"
7 },
8
9 "Logging": {
10   "LogLevel": {
11     "Default": "Information",
12     "Microsoft.AspNetCore": "Warning"
13   }
14 },
15 "AllowedHosts": "*"
16 }
```

Progrm.cs:

```
1 using Microsoft.AspNetCore.Authentication.Cookies;
2 using Microsoft.EntityFrameworkCore;
3 using zelal_tunc_211216069.Entites;
4
5 var builder = WebApplication.CreateBuilder(args);
6
7 // Add services to the container.
8 builder.Services.AddControllersWithViews();
9 builder.Services.AddDbContext<DatabaseContext>(options =>
10 {
11     options.UseSqlServer(builder.Configuration.GetConnectionString("DefaultConnection"));
12 });
13
14 builder.Services.AddAuthentication(CookieAuthenticationDefaults.AuthenticationScheme).AddCookie(opt =>
15 {
16     opt.Cookie.Name = "finalproje.auth";
17     opt.ExpireTimeSpan = TimeSpan.FromDays(5);
18     opt.LoginPath = "/Account/Login";
19     opt.LogoutPath = "/Account/Logout";
20 });
21
22
23 var app = builder.Build();
24
25 // Configure the HTTP request pipeline.
26 if (!app.Environment.IsDevelopment())
27 {
28     app.UseExceptionHandler("/Home/Error");
29     // The default HSTS value is 30 days. You may want to change this for production scenarios, see https://aka.ms/aspnetcore-hsts.
30     app.UseHsts();
31 }
32
33 app.UseHttpsRedirection();
34 app.UseStaticFiles();
35
36 app.UseRouting();
37 app.UseAuthentication();
38 app.UseAuthorization();
39
40 app.MapControllerRoute(
41     name: "default",
42     pattern: "{controller=Home}/{action=Index}/{id?}");
43
44 app.Run();
45
46
47
```

## Migration initial:

```
zetal_tunc_211216069  zetal_tunc_211216069.Migrations.initialcreate

1  using System;
2  using Microsoft.EntityFrameworkCore.Migrations;
3
4  #nullable disable
5
6  namespace zetal_tunc_211216069.Migrations
7  {
8      /// <inheritdoc />
9      1 başvuru
10     public partial class initialcreate : Migration
11     {
12         /// <inheritdoc />
13         0 başvuru
14         protected override void Up(MigrationBuilder migrationBuilder)
15         {
16             migrationBuilder.CreateTable(
17                 name: "Users",
18                 columns: table => new
19                 {
20                     Id = table.Column<int>(type: "int", nullable: false)
21                         .Annotation("SqlServer:Identity", "1, 1"),
22                     FullName = table.Column<string>(type: "nvarchar(25)", maxLength: 25, nullable: false),
23                     Username = table.Column<string>(type: "nvarchar(25)", maxLength: 25, nullable: false),
24                     Password = table.Column<string>(type: "nvarchar(100)", maxLength: 100, nullable: false),
25                     Locked = table.Column<bool>(type: "bit", nullable: false),
26                     CreatedAt = table.Column<DateTime>(type: "datetime2", nullable: false),
27                     Role = table.Column<string>(type: "nvarchar(max)", nullable: false)
28                 },
29                 constraints: table =>
30                 {
31                     table.PrimaryKey("PK_Users", x => x.Id);
32                 });
33         }
34         /// <inheritdoc />
35         0 başvuru
36         protected override void Down(MigrationBuilder migrationBuilder)
37         {
38             migrationBuilder.DropTable(
39                 name: "Users");
40         }
41     }
42 }
```

## Migration DatabaseContext:

```
1 // <auto-generated />
2 using System;
3 using Microsoft.EntityFrameworkCore;
4 using Microsoft.EntityFrameworkCore.Infrastructure;
5 using Microsoft.EntityFrameworkCore.Metadata;
6 using Microsoft.EntityFrameworkCore.Storage.ValueConversion;
7 using zela_tunc_211216069.Entities;
8
9 #nullable disable
10
11 namespace zela_tunc_211216069.Migrations
12 {
13     [DbContext(typeof(DatabaseContext))]
14     partial class DatabaseContextModelSnapshot : ModelSnapshot
15     {
16         protected override void BuildModel(ModelBuilder modelBuilder)
17         {
18             #pragma warning disable 612, 618
19             modelBuilder
20                 .HasAnnotation("ProductVersion", "7.0.5")
21                 .HasAnnotation("Relational:MaxIdentifierLength", 128);
22
23             SqlServerModelBuilderExtensions.UseIdentityColumns(modelBuilder);
24
25             modelBuilder.Entity("zela_tunc_211216069.Entities.User", b =>
26             {
27                 b.Property<int>("Id")
28                     .ValueGeneratedOnAdd()
29                     .HasColumnType("int");
30
31                 SqlServerPropertyBuilderExtensions.UseIdentityColumn(b.Property<int>("Id"));
32
33                 b.Property<DateTime>("CreatedAt")
34                     .HasColumnType("datetime2");
35
36                 b.Property<string>("FullName")
37                     .IsRequired()
38                     .HasMaxLength(25)
39                     .HasColumnType("nvarchar(25)");
40
41                 b.Property<bool>("Locked")
42                     .HasColumnType("bit");
43
44                 b.Property<string>("Password")
45                     .IsRequired()
46                     .HasMaxLength(100)
47                     .HasColumnType("nvarchar(100)");
48
49                 b.Property<string>("Role")
50                     .IsRequired()
51                     .HasColumnType("nvarchar(max)");
52
53                 b.Property<string>("Username")
54                     .IsRequired()
55                     .HasMaxLength(25)
56                     .HasColumnType("nvarchar(25)");
57
58                 b.HasKey("Id");
59
60                 b.ToTable("Users");
61             });
62             #pragma warning restore 612, 618
63         }
64     }
65 }
```

## Entites User.cs

```

1  using Microsoft.EntityFrameworkCore;
2  using System.ComponentModel.DataAnnotations;
3  using System.ComponentModel.DataAnnotations.Schema;
4
5  namespace zelal_tunc_211216069.Entites
6  {
7      [Table("Users")]
8      4 başvuru
9      public class User
10     {
11         [Key]
12         1 başvuru
13         public int Id { get; set; }
14         [StringLength(25)]
15         2 başvuru
16         public string FullName { get; set; }
17         [Required]
18         [StringLength(25)]
19         4 başvuru
20         public string Username { get; set; }
21         [Required]
22         [StringLength(100)]
23         2 başvuru
24         public string Password{ get; set; }
25         1 başvuru
26         public bool Locked { get; set; }=false;
27         0 başvuru
28         public DateTime CreatedAt { get; set; }= DateTime.Now;
29         [Required]
30         0 başvuru
31         public string Role { get; set; } = "user";
32     }
33 }

```

Msql:

[illegible]

## Çözüm Gezini:

