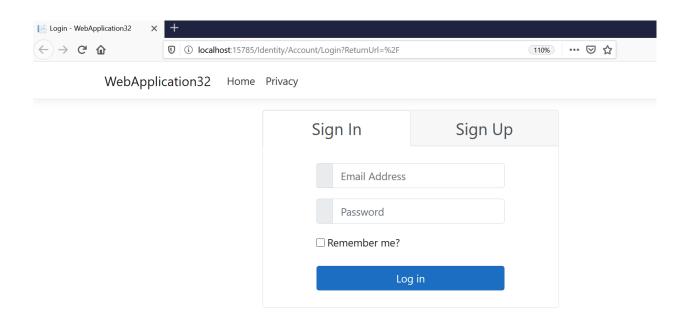
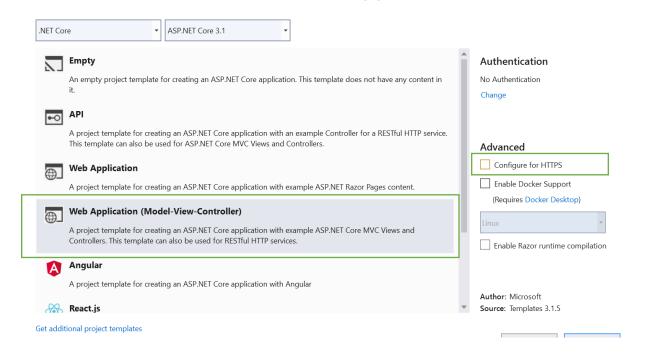
Create a new Project Without Authentication

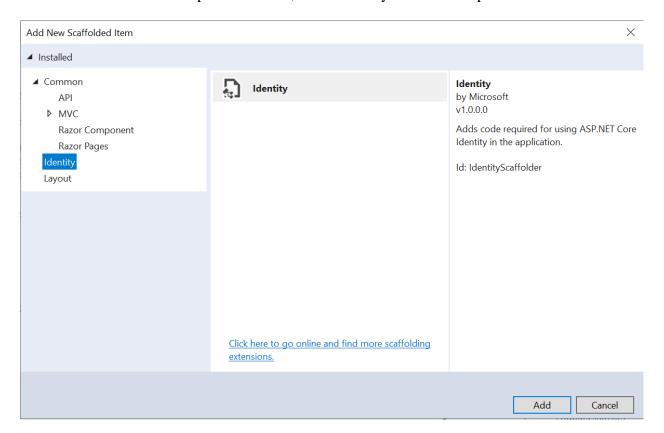


Create a new ASP.NET Core web application



Now add Identity to Existing Project

To add ASP.NET Core Identity to the existing project, right-click on the project. Add > New Scaffolded Item. from the opened window, select Identity from the left panel and click on Add.



Add Identity		×
Select an existing layout page, or specify a new	w one:	
~/Views/Shared/_Layout.cshtml		
(Leave empty if it is set in a Razor _viewsta	rt file)	
Override all files		
Choose files to override		
☐ Account\StatusMessage	☐ Account\AccessDenied	☐ Account\ConfirmEmail
☐ Account\ConfirmEmailChange	☐ Account\ExternalLogin	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	n ✓ Account\Register
☐ Account\RegisterConfirmation	☐ Account\ResendEmailConfirmation	☐ Account\ResetPassword
☐ Account\ResetPasswordConfirmation		
Data context class: WebApplication32.Da	ta.WebApplication32Context	+
Use SQLite instea	d of SQL Server	
User class: ApplicationUser (Web.	Application 32. Areas. Identity. Data)	· +
		Add Cancel
A - 4		V C# Register cshtml cs

- Update the startup.cs file, to add the following code

```
// This method gets called by the runtime. Use this method to add services to the container.
Oreferences
public void ConfigureServices(IServiceCollection services)
{
    services.AddControllersWithViews();
    services.AddRazorPages();
}
```

o In **void configure** add the following code

```
//to be added
app.UseAuthentication();
app.UseEndpoints(endpoints =>
{
    endpoints.MapControllerRoute(
        name: "default",
        pattern: "{controller=Home}/{action=Index}/{id?}");

//to be added
endpoints.MapRazorPages();
});
```

- Go to /Areas/Identity/Data/ApplicationUser.cs. to modify the file and add two columns

```
public class ApplicationUser : IdentityUser
{
    [PersonalData]
    [Column(TypeName = "nvarchar(100)")]
    1reference
    public string FirstName { get; set; }

    [PersonalData]
    [Column(TypeName = "nvarchar(100)")]
    1reference
    public string LastName { get; set; }
}
```

- go to Tools>NuGet Package Manager > Package Manager Console. This will helps to
 modify the table AspNetUsers, you could see columns for First Name and Last Name.
 Add-Migration "InitialCreate"
 Update-Database
- Now I will work with the Design in order to customize it . go to Views/Shared/_Layout.cshml.

- In order to remove the login and register link in the header. We update _LoginPartial as shown below

- Go to site.css



- Update the css file site.css, by adding the following code

```
body {
   font-family: 'Roboto', sans-serif;
}
/*for tab control*/
div.login-logout-tab div.card-header {
   padding: 0px 0px 12px 0px;
```

```
}
div.login-logout-tab ul.nav-tabs {
  margin: 0px 0px -12px 0px;
}
div.login-logout-tab li.nav-item {
  width: 50%;
}
div.login-logout-tab a.nav-link {
  font-size: 25px;
  color: #495057;
  text-align:center;
}
div.card-content{
  padding: 10px 20px;
}
/*login form*/
div.login-form-icon{
  text-align:center;
}
```

Tab control

- Now we are going to show login and registration form side by side in a **tab control**.
- We need a nested layout page for login and register page.
- Create _AuthLayout.cshtml in /Areas/Identity/Pages.
- For that right-click on Pages folder, Add>NewItem. Select Razor Layout, name the file as _AuthLayout.cshtml. Replace the file as shown below.

```
cli class="nav-item">
              <a class="nav-link" href='/Identity/Account/Register'>Sign Up</a>
            </div>
       <div class="card-content">
         <div class="col-md-12">
            @RenderBody()
         </div>
       </div>
    </div>
  </div>
</div>
@section Scripts{
  @RenderSection("Scripts", required: false)
  <script>
$(function() {
       var current = location.pathname;
       $('.nav-tabs li a').each(function () {
         var $this = $(this);
         if (current.indexOf($this.attr('href')) !== -1) {
            $this.addClass('active');
       })
    })</script> }
```

User Registration

Go to /Areas/Identity/Pages/Account/Register.cshtml.

We've to update that for adding controls for first-name and last-name in user registration form.

```
public class InputModel
{

[Required]

[DataType(DataType.Text)]

[Display(Name = "First Name")]

public string FirstName { get; set; }

[Required]

[DataType(DataType.Text)]

[Display(Name = "Last Name")]
```

```
public string LastName { get; set; }
...
}
```

- Update *OnPostAsync*, save the first name and last name to *ApplicationUser* instance before inserting into the table.

```
before inserting into the table.
  var user = new ApplicationUser { UserName = Input.Email, Email = Input.Email,
      FirstName = Input.FirstName,
      LastName = Input.LastName
  };
  var result = await userManager.CreateAsync(user, Input.Password);
Update register.cshtml
 @page
 @model RegisterModel
 @{ ViewData["Title"] = "Register"; }
 @ { Layout = "~/Areas/Identity/Pages/_AuthLayout.cshtml"; }
 <form asp-route-returnUrl="@Model.ReturnUrl" method="post">
    <div asp-validation-summary="All" class="text-danger"></div>
    <div class="row">
      <div class="col-md-6">
        <div class="form-group">
           <label asp-for="Input.FirstName"></label>
           <input asp-for="Input.FirstName" class="form-control" />
           <span asp-validation-for="Input.FirstName" class="text-danger"></span>
        </div>
      </div>
      <div class="col-md-6">
        <div class="form-group">
           <label asp-for="Input.LastName"></label>
           <input asp-for="Input.LastName" class="form-control" />
           <span asp-validation-for="Input.LastName" class="text-danger"></span>
        </div>
      </div>
    </div>
    <div class="form-group">
      <label asp-for="Input.Email"></label>
      <input asp-for="Input.Email" class="form-control" />
      <span asp-validation-for="Input.Email" class="text-danger"></span>
    </div>
    <div class="row">
```

```
<div class="col-md-6">
       <div class="form-group">
         <label asp-for="Input.Password"></label>
         <input asp-for="Input.Password" class="form-control" />
         <span asp-validation-for="Input.Password" class="text-danger"></span>
       </div>
    </div>
    <div class="col-md-6">
       <div class="form-group">
         <label asp-for="Input.ConfirmPassword"></label>
         <input asp-for="Input.ConfirmPassword" class="form-control" />
         <span asp-validation-for="Input.ConfirmPassword" class="text-danger"></span>
    </div>
  </div>
  <button type="submit" class="btn btn-primary">Register</button>
</form>
@section Scripts {
  <partial name="_ValidationScriptsPartial" />
}
```

Login Form

User authentication or login is handled inside – /Areas/Identity/Pages/Account/Login.cshtml. Now you can update the razor html as follows.

```
@page
@model LoginModel

@{ViewData["Title"] = "Login";}

@{
    Layout = "~/Areas/Identity/Pages/_AuthLayout.cshtml";
}

<div class="col-md-10 offset-1">
    <div class="login-form-icon">
        <i class="fas fa-user-circle fa-9x text-secondary"></i>
    </div>
    <form id="account" method="post">
        <div asp-validation-summary="All" class="text-danger"></div>
        <div class="form-group">
        <div class="input-group"></div>
        <div class="input-group">
```

```
<div class="input-group-prepend">
           <div class="input-group-text">
              <i class="fas fa-envelope"></i>
           </div>
         </div>
         <input asp-for="Input.Email" class="form-control" placeholder="Email Address" />
       <span asp-validation-for="Input.Email" class="text-danger"></span>
    </div>
    <div class="form-group">
       <div class="input-group">
         <div class="input-group-prepend">
           <div class="input-group-text">
             <i class="fas fa-lock"></i>
           </div>
         </div>
         <input asp-for="Input.Password" class="form-control" placeholder="Password" />
       </div>
       <span asp-validation-for="Input.Password" class="text-danger"></span>
    </div>
    <div class="form-group">
      <div class="checkbox">
         <label asp-for="Input.RememberMe">
           <input asp-for="Input.RememberMe" />
           @Html.DisplayNameFor(m => m.Input.RememberMe)
         </label>
      </div>
    </div>
    <div class="form-group">
       <button type="submit" class="btn btn-primary btn-block">Log in/button>
    </div>
  </form>
</div>
@section Scripts {
  <partial name="_ValidationScriptsPartial" />
}
```

- if you want to redirect the user back to home from login or registration when he/ she is already logged in. you just need to add following if statement in login and register page, inside the function *onGetAsync* as shown below.

```
Oreferences
public async Task OnGetAsync(string returnUrl = null)
{
    if (User.Identity.IsAuthenticated)
    {
        Response.Redirect("/Home");
    }
    if (!string.IsNullOrEmpty(ErrorMessage))
    {
        ModelState.AddModelError(string.Empty, ErrorMessage);
    }
}
```

- add authorize to home controller. you could protect controllers or actions from unauthorized request using *Authorize* attribute If there is any unauthorized request made, user will be redirected to login page.

WebApplication32 Home Privacy

Sign In	Sign Up
First Name	Last Name
Email	
Password	Confirm password
Register	