

Identity (Autenticación y Autorización)

CURSO: APRENDE BLAZOR (Identity)

LECCIÓN 1: Introducción a la Autenticación y Autorización con Blazor

1. Ejecutar Visual Studio 2022 para crear una nueva aplicación con la plantilla Blazor Web App.
2. Elegir la opción de "Authentication de campo: Cuentas individuales"
3. Instalar y ejecutar Docker Desktop
4. Bajar y ejecutar un contenedor docker de SQL Server 2022. Ejecutar la línea de comandos:
`docker run ^ -e "ACCEPT_EULA=Y" ^ -e "MSSQL_SA_PASSWORD=LuisCoco123456" ^ -p 1433:1433 ^ -d mcr.microsoft.com/mssql/server:2022-latest`
5. Instalar y ejecutar SQL Server Management Studio 2022 (SSMS)
Server type: Database Engine
Server name: localhost,1433
Authentication: SQL Server Authentication
Login: sa
Password: LuisCoco123456
En SSMS crear la base de datos con este SQL Query:
`CREATE DATABASE [aspnet-LeccionAuthentication-786afbd3-4fd2-48bc-870d-29133ccc59c8];`
`GO`
6. Modificar la cadena de conexión a la base de datos en la aplicación:
`"ConnectionStrings": {
 "DefaultConnection": "Server=localhost,1433;Database=aspnet-LeccionAuthentication-786afbd3-4fd2-48bc-870d-29133ccc59c8;User
Id=sa;Password=LuisCoco123456;Trusted_Connection=False;MultipleActiveResultSets=true;TrustServerCertificate=True"`
`}`
7. Crear las tablas e índices en la base de datos de Autenticación y Autorización ejecutando la migración en la aplicación con el comando: `Update-Database`
8. Ejecutar la aplicación y Registrar un nuevo usuario
9. Acceder a la aplicación con el nombre del usuario creado anteriormente y su contraseña
10. Mostrar la información personal del nuevo usuario
11. Salir de la cuenta del usuario

Análisis del Flujo de Identity (Register)

Register.razor /Account/Register

LeccionAuthentication

- Home
- Counter
- Weather
- Auth Required
- Register
- Login

Register
Create a new account.

Email

Password

Confirm Password

Register

RegisterConfirmation.razor /Account/RegisterConfirmation?email=lcocoenriquez%40gmail.com

LeccionAuthentication

- Home
- Counter
- Weather
- Auth Required
- Register
- Login

Register confirmation

This app does not currently have a real email sender registered, see [these docs](#) for how to configure a real email sender. Normally this would be emailed: [Click here to confirm your account](#)

ConfirmEmail.razor /Account/ConfirmEmail?userId=b14ce03c-040f-4dcc-...

LeccionAuthentication

- Home
- Counter
- Weather
- Auth Required
- Register
- Login

Confirm email

Thank you for confirming your email.

Análisis del Flujo de Identity (Login)

Login.razor
/Account/Login

A screenshot of a web browser showing the login page of an application. The browser's address bar displays 'localhost:7188/Account/Login'. The page features a dark blue sidebar with navigation links: Home, Counter, Weather, Auth Required, Register, and Login. The main content area is titled 'Log in' and includes the instruction 'Use a local account to log in.' Below this, there are input fields for 'Email' (containing 'luiscoenriquez@hotmail.com') and 'Password' (masked with dots). A 'Remember me' checkbox is present, followed by a blue 'Log in' button. At the bottom, there are three links: 'Forgot your password?', 'Register as a new user', and 'Resend email confirmation'.



Empty URL

A screenshot of a web browser showing the home page of the application. The browser's address bar displays 'localhost:7188'. The page features the same dark blue sidebar as the login page, with navigation links: Home, Counter, Weather, Auth Required, and Logout. The main content area displays 'Hello, world!' and 'Welcome to your new app.' Below this, the email address 'lcoenriquez@gmail.com' is shown. The 'Logout' link is visible at the bottom of the sidebar.

Análisis del Flujo de Identity (Login con MFA)

Login.razor

/Account/Login

localhost:7188/Account/Login

LeccionAuthentication

- Home
- Counter
- Weather
- Auth Required
- Register
- Login

Log in

Use a local account to log in.

Email
luiscoenriquez@hotmail.com

Password

☐ Remember me

Log in

[Forgot your password?](#)

[Register as a new user](#)

[Resend email confirmation](#)

LoginWith2fa.razor

/LoginWith2fa?rememberMe=True

Two-factor authentication

localhost:7188/Account/LoginWith2fa?rememberMe=False

LeccionAuthentication

- Home
- Counter
- Weather
- Auth Required
- Register
- Login

Two-factor authentication

Your login is protected with an authenticator app. Enter your authenticator code below.

Authenticator code
898174

☐ Remember this machine

Log in

Don't have access to your authenticator device? You can [log in with a recovery code](#).

Empty URL

localhost:7188

LeccionAuthentication

- Home
- Counter
- Weather
- Auth Required
- lcoenriquez@gmail.com
- Logout

Hello, world!

Welcome to your new app.

Análisis del Flujo de Identity (Gestión de la cuenta)

Index.razor

/Account/Manage

LeccionAuthentication

Home

Counter

Weather

Auth Required

luiscoenriquez@hotmail.com

Logout

Manage your account

Change your account settings

Profile

Email

Password

Two-factor authentication

Personal data

Profile

Username

luiscoenriquez@hotmail.com

Phone number

657443322

Save

```
<div class="nav-item px-3">
  <NavLink class="nav-link" href="/Account/Manage">
    <span class="bi bi-person-fill-nav-menu" aria-hidden="true"></span> @context.User.Identity?.Name
  </NavLink>
</div>
```

Análisis del Flujo de Identity (Gestión de la cuenta)

Email.razor

/Account/Manage/Email

LeccionAuthentication

Home

Counter

Weather

Auth Required

lcocoenriquez@gmail.com

Logout

Manage your account

Change your account settings

Profile

Email

Password

Two-factor authentication

Personal data

Manage email

Email
lcocoenriquez@gmail.com ✓

New email
lcocoenriquez@gmail.com

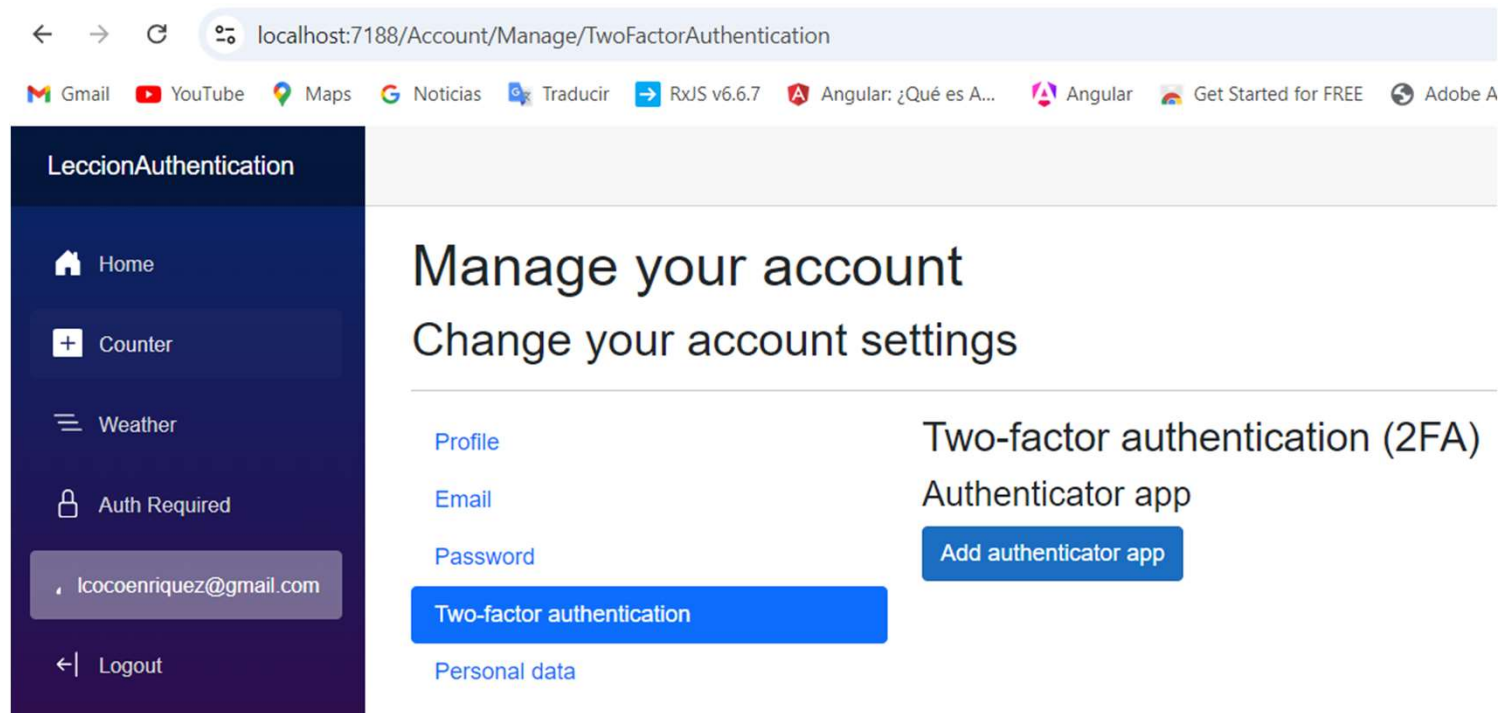
Change email

```
<div class="nav-item px-3">
  <NavLink class="nav-link" href="/Account/Manage">
    <span class="bi bi-person-fill-nav-menu" aria-hidden="true"></span> @context.User.Identity?.Name
  </NavLink>
</div>
```

Análisis del Flujo de Identity (Gestión de la cuenta)

ChangePassword.razor

/Account/Manage/ChangePassword

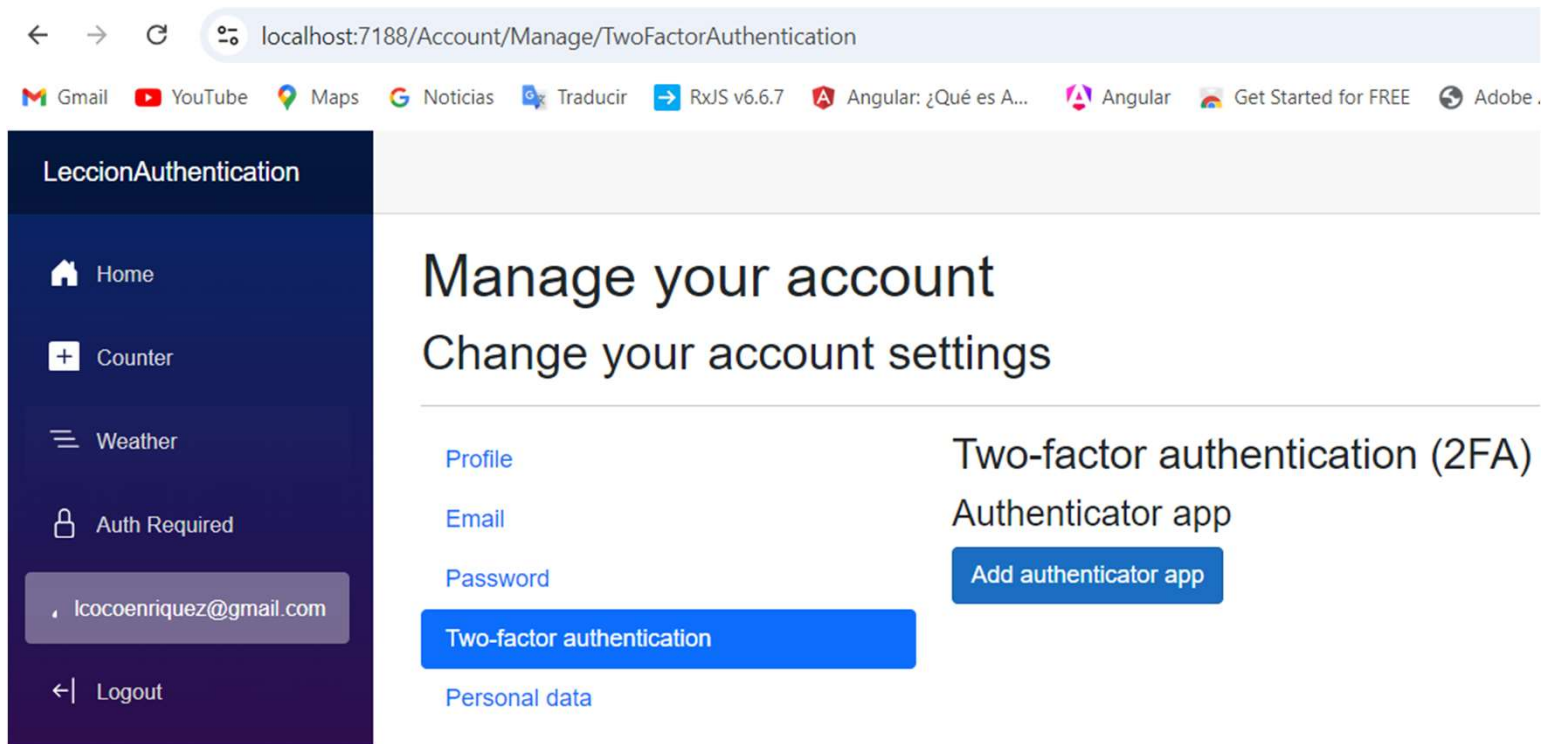


```
<div class="nav-item px-3">
  <NavLink class="nav-link" href="/Account/Manage">
    <span class="bi bi-person-fill-nav-menu" aria-hidden="true"></span> @context.User.Identity?.Name
  </NavLink>
</div>
```


Análisis del Flujo de Identity (Gestión de la cuenta)

TwoFactorAuthentication.razor

/Account/Manage/TwoFactorAuthentication

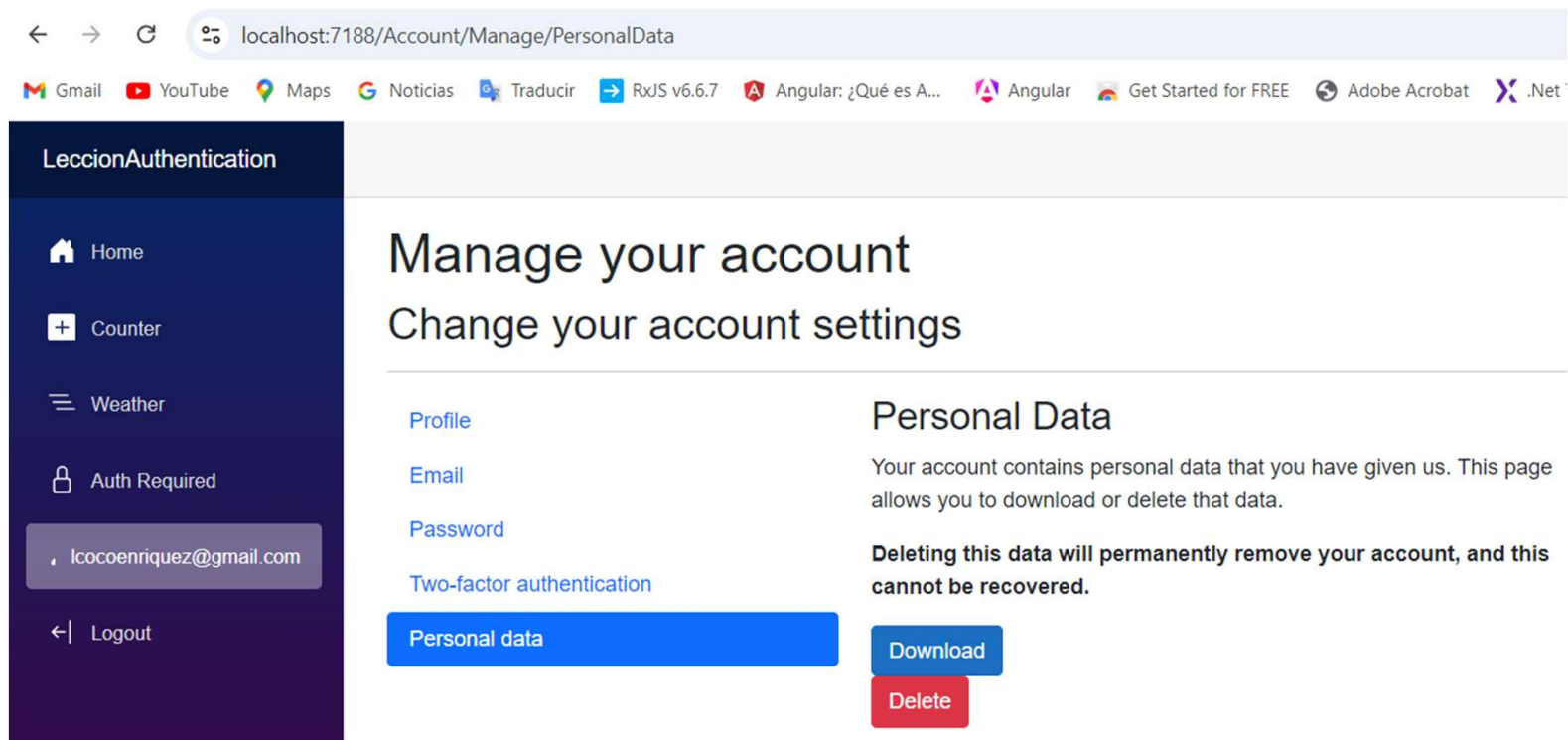


```
<div class="nav-item px-3">
  <NavLink class="nav-link" href="/Account/Manage">
    <span class="bi bi-person-fill-nav-menu" aria-hidden="true"></span> @context.User.Identity?.Name
  </NavLink>
</div>
```

Análisis del Flujo de Identity (Gestión de la cuenta)

PersonalData.razor

/Account/Manage/PersonalData



```
<div class="nav-item px-3">
  <NavLink class="nav-link" href="/Account/Manage">
    <span class="bi bi-person-fill-nav-menu" aria-hidden="true"></span> @context.User.Identity?.Name
  </NavLink>
</div>
```