

Registration, Login and Logout system with Role-based User Authentication

Revision and building my portfolio

I have created a Login and Logout Role-based User Authentication system, using Asp. Net core

Reference: https://www.youtube.com/watch?v=wzaoQiS_9dl

Visual Studio 2026, and SQL Server Management Studio 22.

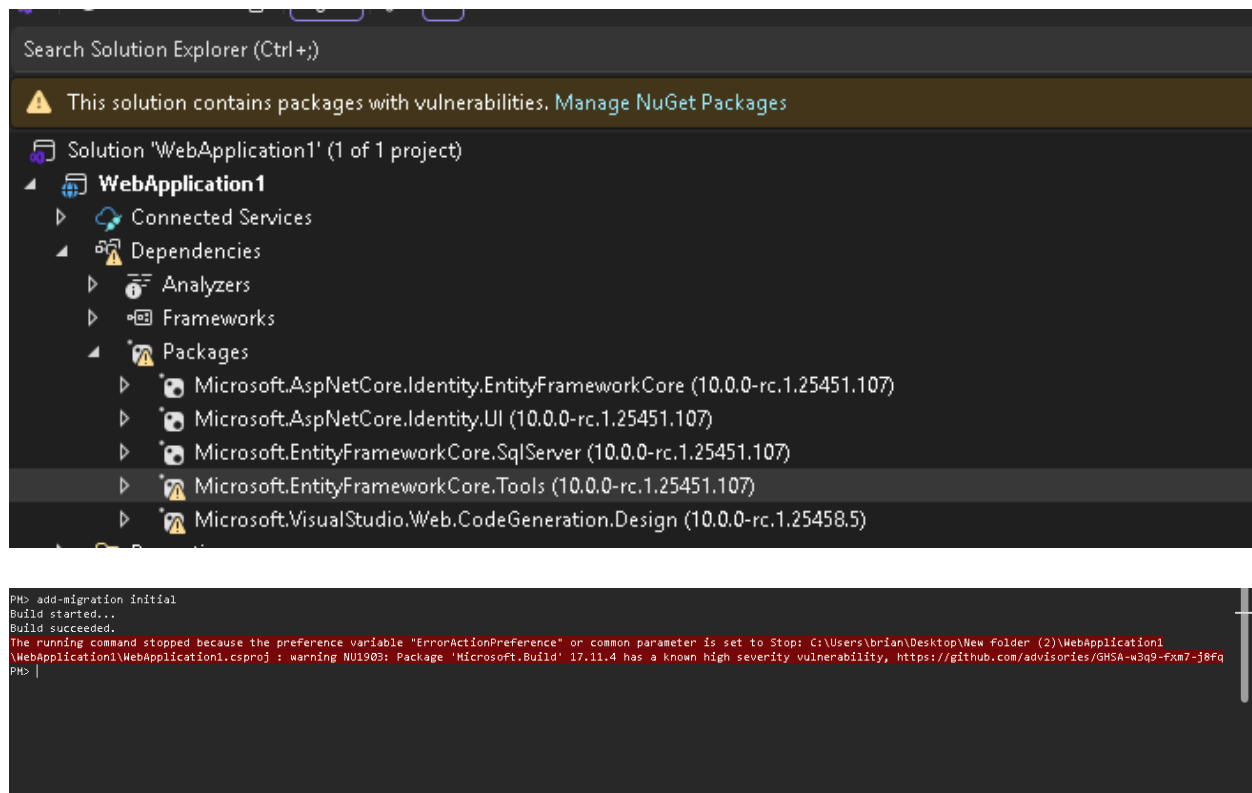
The challenges encountered and resolved:

I was struggling to add-migration to my Asp. Net Web app.

- First error was showing on my Solution Explorer, telling me that my Solution contains packages with vulnerabilities, second error was showing on PowerShell telling me that my ErrorActionPreference settings are set to "stop".

My mistake was that I ignored the error message that was showing on my Solution Explorer.

- Second biggest mistake, after installing SQL Server Management Studio 22 I did not even log in to test if my Server name was correct and working.



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Attempts at finding Solutions:

First Attempt:

I went to firewall settings to try allow remote connections to my SQL SERVER, did not Solve my problem.

Second Attempt:

I tried updating my PowerShell, did not solve my problem.

By running the command on PowerShell:

Winget install Microsoft .PowerShell

Third Attempt:

I tried changing ErrorActionPreference settings, tried changing the settings from (Stop) to (Enquire). These settings can be changed on PowerShell using code, for example `$ErrorActionPreference = "enquire"`

How ErrorActionPreference works, is if you run your app, it checks for error or potentially malicious scripts, and reacts to error according to your current ErrorActionPreference settings , example `$ErrorActionPreference = "enquire"` means if an errors occurs PowerShell will give you the option to choose if it should continue executing your program or not.

Example `$ErrorActionPreference = "stop"` means once an error occurs, PowerShell stops the program.

Did not solve my problem.

I also tried going to computer setting , typing “Developer” on the search bar, chose ” Use Developer Features”, scrolled till I found “PowerShell”, clicked on the dropdown, toggled on (change execution policy to allow local PowerShell scripts to run without signing. require signing for remote scripts). Did not solve my problem.

Fourth Attempt:

On visual studio, tried opening Server explorer to see how I can resolve this problem, unfortunately without knowing my Server name this attempt also did not solve my problem.

My idea was to try create a database connection through Server explorer and see if my problem would be solved.

Fifth Attempt:

Finally decided to go to my SQL installer, added all the extra features that ignored during first installation. Looked for my Server name, logged in to my SQL Management Studio.

Went to check my dependencies on visual studio, I had the exact same dependencies as my reference but on my side I got errors, so rather I deleted both dependencies that had errors, deleted directly on my Solution Explorer.

Deleted

Microsoft.EntityFrameworkCore.Tools 10.0.0 and **Microsoft.VisualStudio.Web.CodeGeneration.Design 10.0.0**

and then downloaded and installed

Microsoft.EntityFrameworkCore.Tools 9.0.11 and **Microsoft.EntityFrameworkCore.Design 10.0.0**

You can also only just replace **Microsoft.VisualStudio.Web.CodeGeneration.Design 10.0.0**

with **Microsoft.EntityFrameworkCore.Design 10.0.0** and it will still work.

Problem resolved.

Another thing to also keep in mind when using a reference, some programmers may use Cascadia code special characters to try decorate their code or to make their code difficult to read, it is helpful to have some knowledge about Cascadia code special characters and know how translate these characters through normal code.

Even though my mistake on this Project was that I ignored an error message, an opportunity was still created for me to explore and get uncomfortable and try out different routes to solve a problem, and with the information I am sharing maybe I am unknowingly exposing some blind spots, and maybe there can be a situation whereby someone may find this information helpful.

I have uploaded my project on GitHub.

GitHub Link:

More Projects on the way!

Brian Malinga.