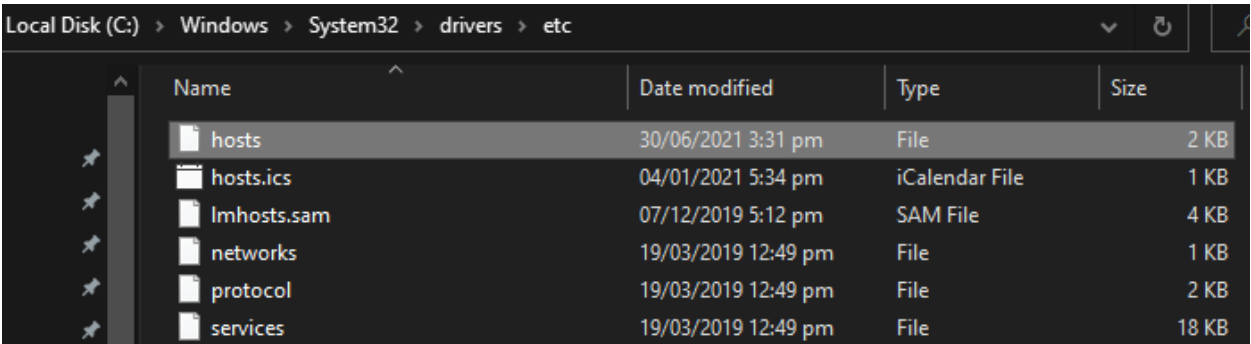
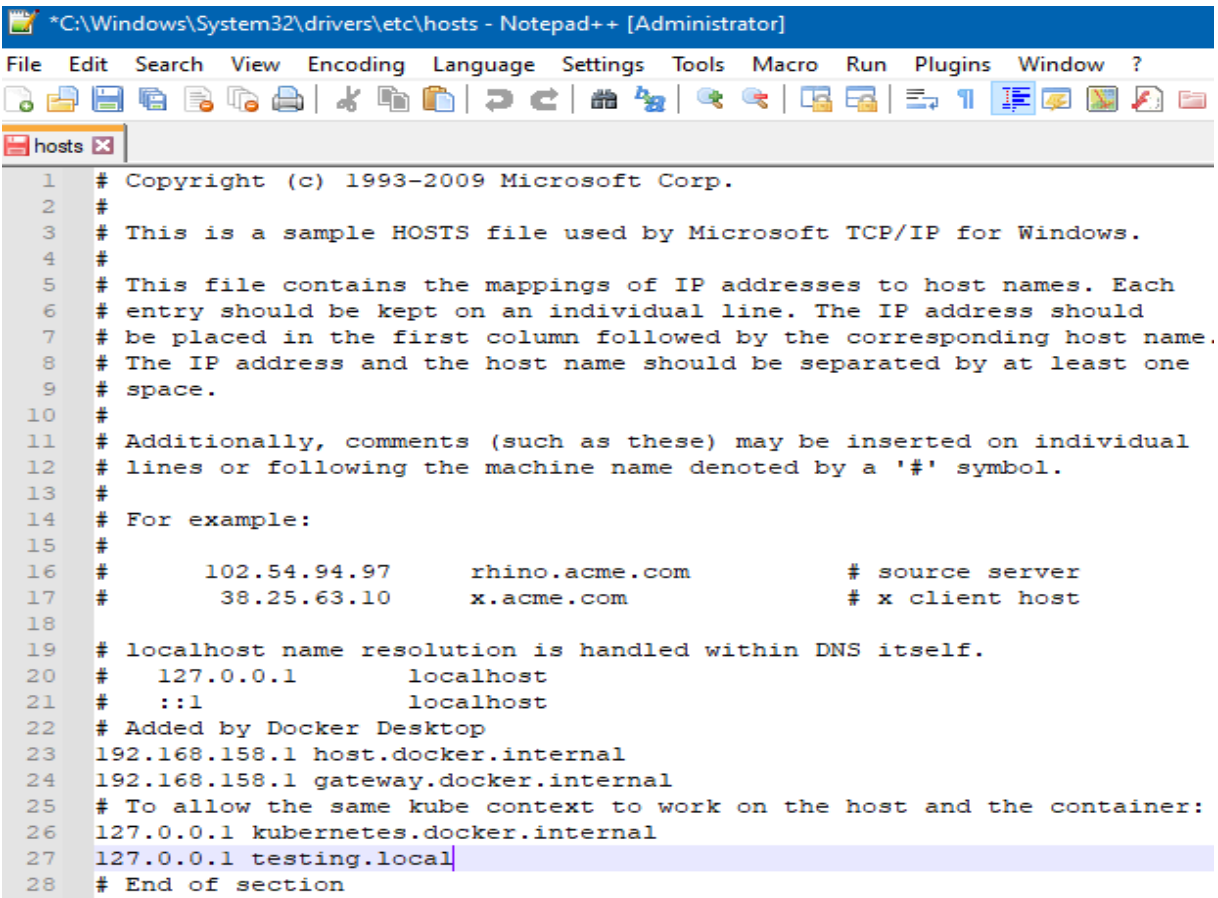


How to publish to an IIS server:

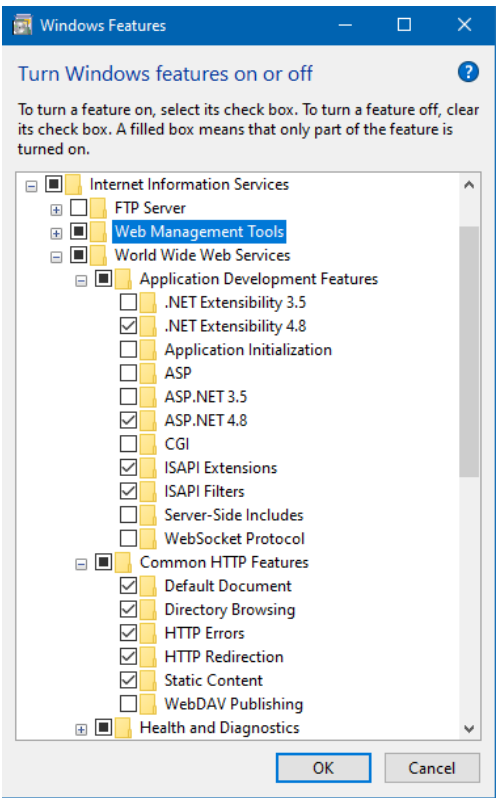
- 1) Install and configure necessary files before publishing:
 - a. Install “.NET CORE HOSTING BUNDLE” latest version online.
<https://dotnet.microsoft.com/download/dotnet/thank-you/runtime-aspnetcore-5.0.7-windows-hosting-bundle-installer>
 - b. Set preferred site name, for example: “testing.local”
 - i. Go to C:\Windows\System32\drivers and edit file “hosts” using notepad++ or any editor with enabled admin privileges.



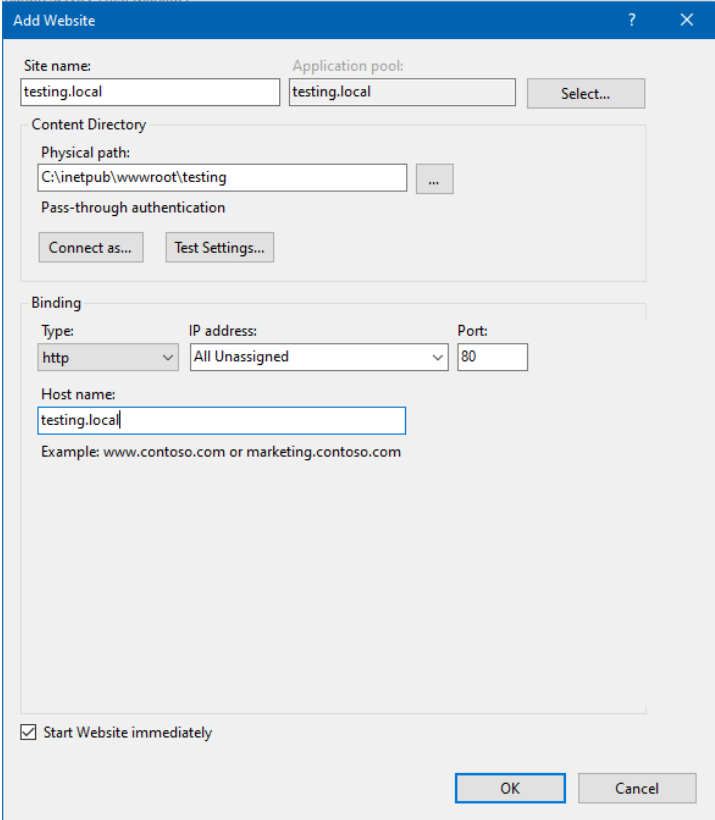
- ii. Include at the end of the file your designated site name along with the local IP address.



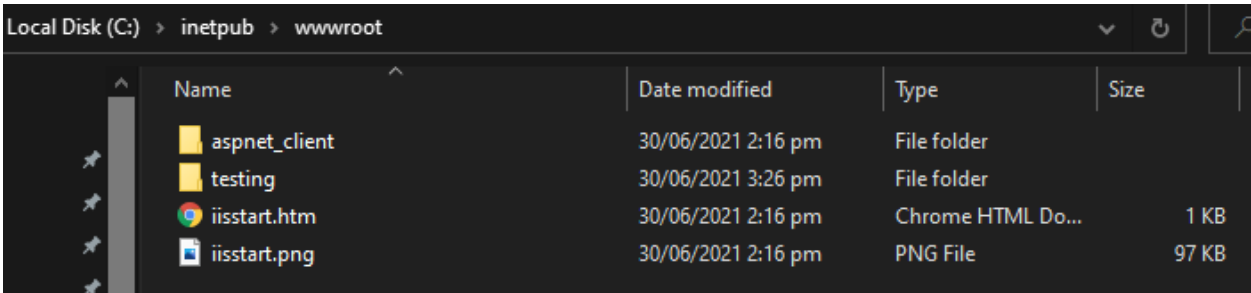
- c. Enable Internet Information Services (IIS) Manager by checking the appropriate boxes on Windows Features on/off under “Internet Information Services” – This can be found in the control panel or typing it directly on the search box. You may opt to select all the check boxes for certainty.



- 2) Open (IIS) Manager application, right-click under Sites and select “add website”:
 - a. Configure accordingly and set your physical path.

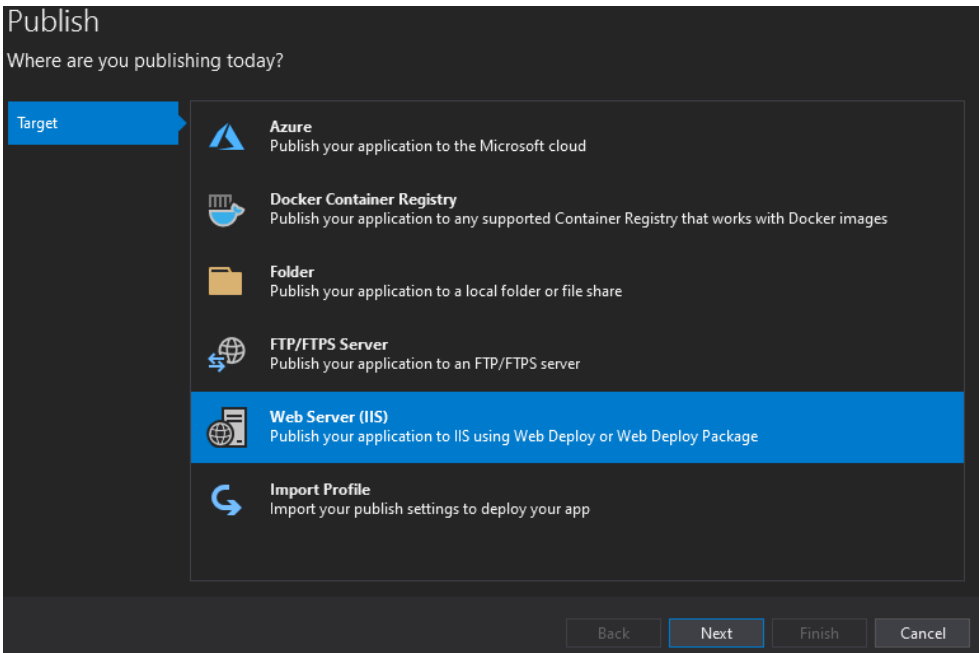


- b. Your physical path will be within the C:\inetpub\wwwroot, this folder is automatically generated upon enabling IIS manager, and it is advised that you create a new clean folder so there will be no errors in publishing later on.

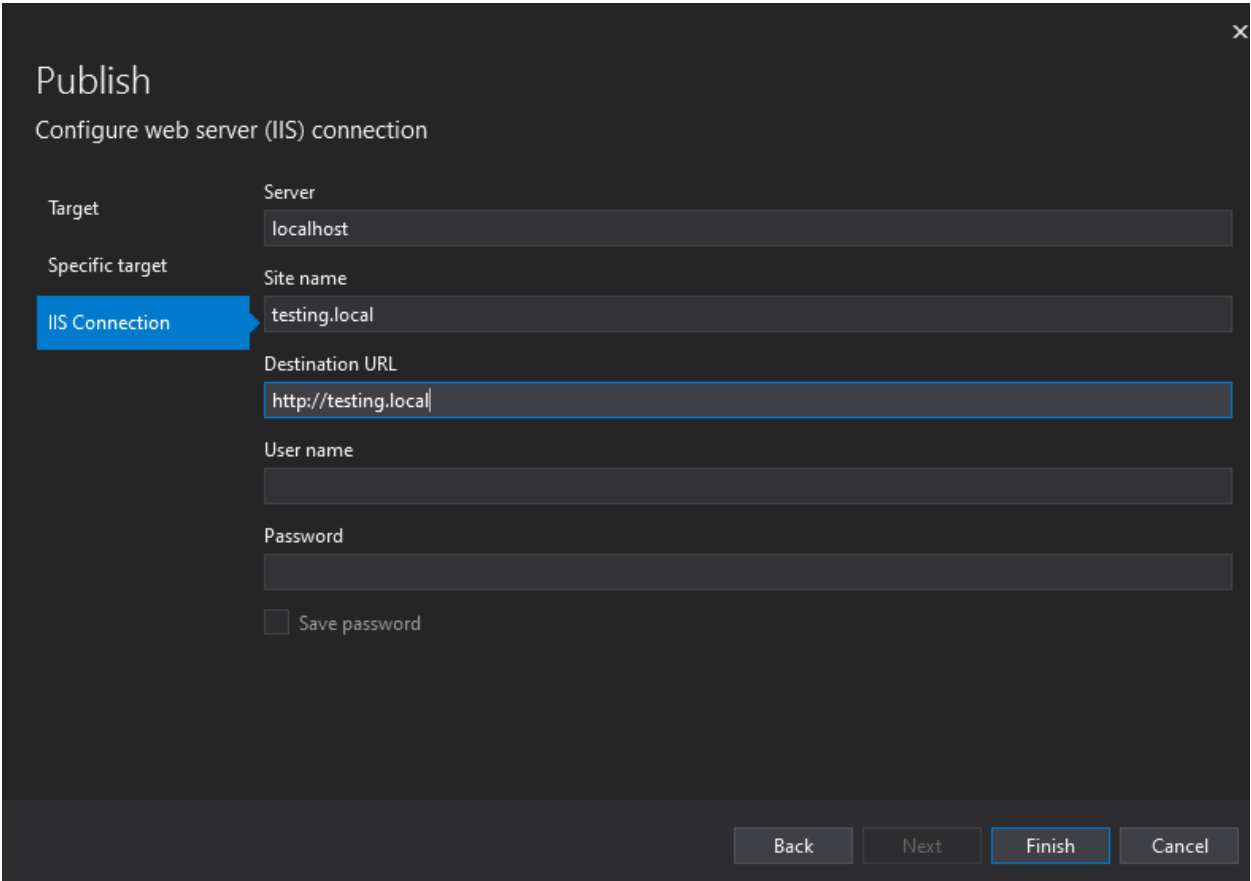


- 3) Open Visual Studio and run as Administrator.
 - a. Right-click on your Project and Select “Publish”.
 - b. A window will appear and select Web Server (IIS) and then click Next.

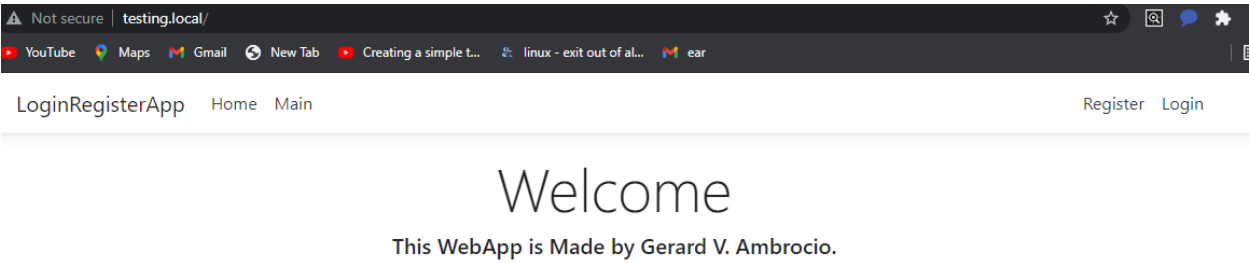
c. Then select Web Deploy and click Next.



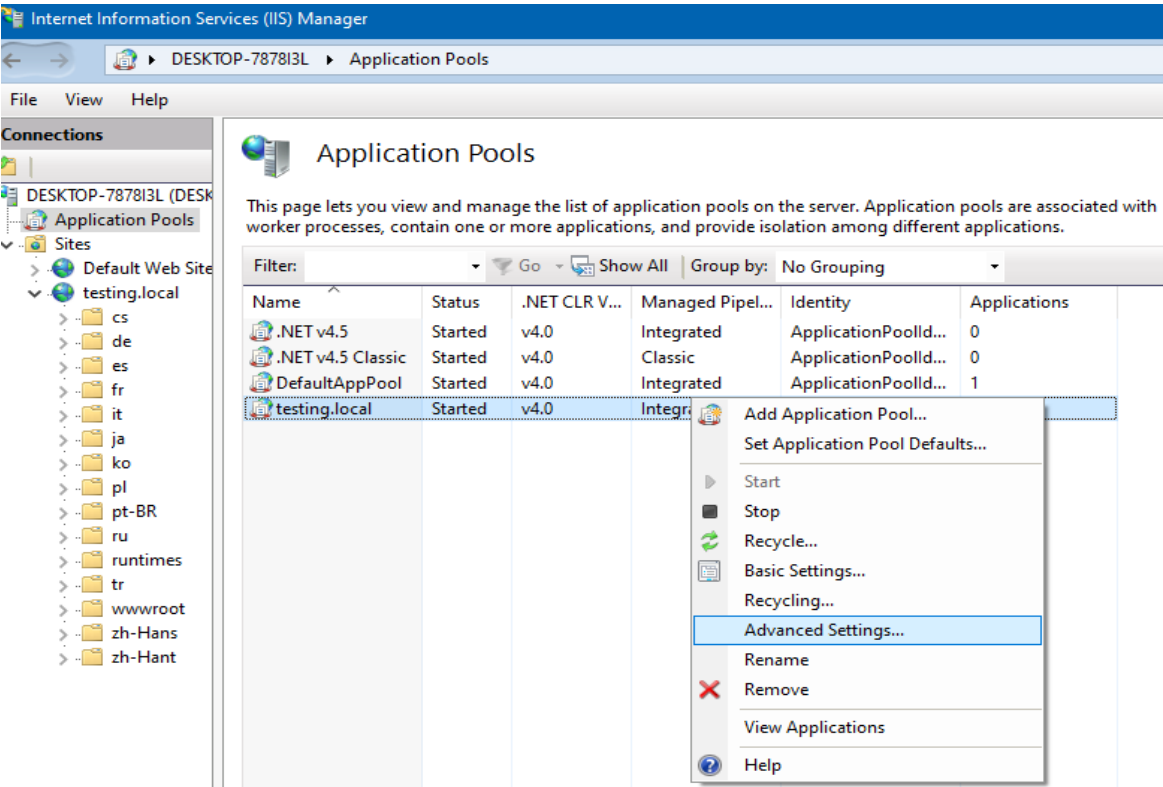
d. Then Configure accordingly and type “localhost” for the server as well as your selected site name and its URL, and click finish



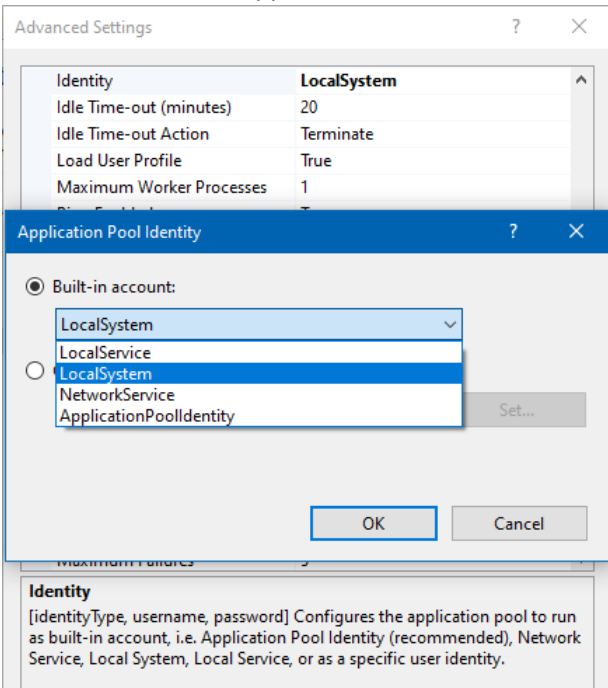
e. The application is now Ready to publish , you may select publish and your application will be redirected to your default browser and show your locally deployed application. Otherwise you may simply open any browser and type: <http://testing.local> or your own selected site name.



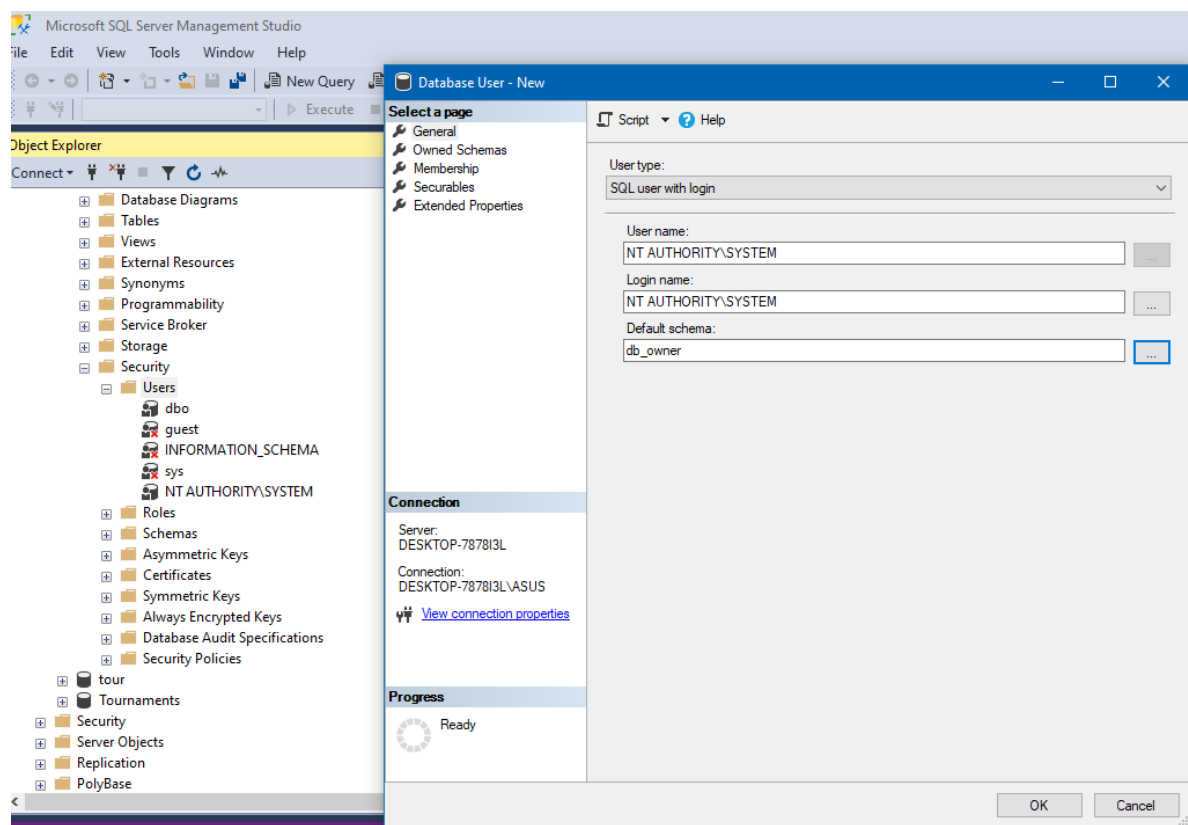
- 4) The web application is working although there maybe problems in accessing the database If the proper permissions are not set, as was my case was an Internal Server Error upon logging in or registering.
- a. Firstly, go to IIS manager then go to Application Pools, find your website and right-click to advanced settings



- b. A window will appear and under Process Model, select Identity and then “LocalSystem” as the default was “ApplicationPool”.



- c. Then upon refreshing the browser and the internal error is shown again, it is shown that the user “NT AUTHORITY\SYSTEM” is trying to access my local database which would then be known as the user that is needed to be given access for the database.
- d. Open SQL Server Management Studio, find your database which was set to “School” and under Security, then under Users, right-click and Create New User.
- e. Then type the user trying to access the database and set it to be the db_owner on the Default schema field.



- f. Then, the Owned Schemas and Membership tab select all the database checkboxes and click OK to close the window.
- g. Finally, upon refreshing your browser you may now Login to your webapp and have access to other functionalities that are database dependent such as CRUD functionalities.

