

## System Requirements

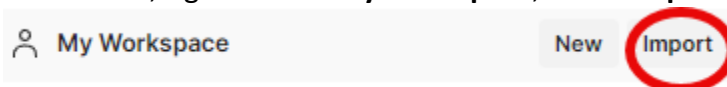
- Windows 10 or newer
- Visual Studio 2022 and .NET 8.
- Postman.


## How to compile and run the API:

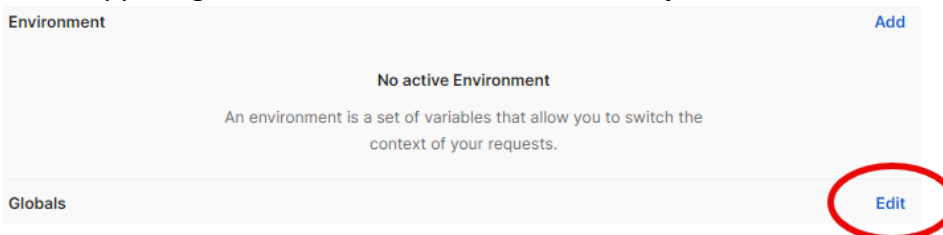
1. In Visual Studio 2022, open the **PatientInfo.sln** file.
2. Right click on the **PatientInfo.API** project and select **Set as Startup Project** if it has not already been set.
3. In the menu, select Debug -> Start Debugging.
4. Verify that the Swagger UI web page and the console are open.

## API Test (Client-side):

1. Launch Postman
2. In Postman, right next to **My Workspace**, select **Import:**



3. Drop **Take Home Test.postman\_collection.json** file to the dropping area.
4. In the upper right corner, select the **Environment quick look** icon  then click **Edit**



5. Add “portNumber” variable with the initial value and current value set to the port number that the https is listening on

Variable	Type	Initial value	Current value
<input checked="" type="checkbox"/> portNumber	default	7176	7176

A screenshot of the Visual Studio console window. The title bar shows 'E:\Workspace\Take\_Home\_Assessment\PatientInfo\PatientInfo.API'. The console output shows several log messages from Microsoft.Hosting.Lifetime. The message 'Now listening on: https://localhost:7176' is circled in red. Red dashed arrows point from the '7176' values in the table above to this message and the 'Current value' field in the table above.

```
info: Microsoft.Hosting.Lifetime[14]
Now listening on: https://localhost:7176
info: Microsoft.Hosting.Lifetime[14]
Now listening on: http://localhost:5177
info: Microsoft.Hosting.Lifetime[0]
Application started. Press Ctrl+C to shut down.
info: Microsoft.Hosting.Lifetime[0]
Hosting environment: Development
info: Microsoft.Hosting.Lifetime[0]
Content root path: E:\Workspace\Take_Home_Assessment\PatientInfo\PatientInfo.API
```

6. Click Save.

7. For testing the API from the client-side, select each of the HTTP POST and click **Send** and then verify the expected body output.

### API Test (Server-side):

1. In Visual Studio 2022, right click on the **PatientInfo.API.Test** project and select **Run Tests**
2. Verify that all the unit tests are passed.