

Weekly Assignment Screenshot Requirements

Project Structure:

```
PS C:\Users\sanja\source\CS\Sharp\PolicyNotesApi> tree /f
Folder PATH listing for volume Windows-SSD
Volume serial number is 3A71-698F
C:.
  PolicyNotesApi.sln
  PolicyNotes
    appsettings.Development.json
    appsettings.json
    PolicyNotes.csproj
    PolicyNotes.csproj.user
    PolicyNotes.http
    Program.cs
    bin
      Debug
        net8.0
          appsettings.Development.json
          appsettings.json
          Microsoft.EntityFrameworkCore.Abstractions.dll
          Microsoft.EntityFrameworkCore.dll
          Microsoft.EntityFrameworkCore.InMemory.dll
          Microsoft.Extensions.Caching.Memory.dll
          Microsoft.Extensions.DependencyInjection.Abstractions.dll
          Microsoft.Extensions.DependencyInjection.dll
          Microsoft.Extensions.Logging.Abstractions.dll
          Microsoft.Extensions.Logging.dll
          Microsoft.Extensions.Options.dll
          Microsoft.OpenApi.dll
          PolicyNotes.deps.json
          PolicyNotes.dll
          PolicyNotes.exe
          PolicyNotes.pdb
          PolicyNotes.runtimeconfig.json
          PolicyNotes.staticwebassets.endpoints.json
          Swashbuckle.AspNetCore.Swagger.dll
          Swashbuckle.AspNetCore.SwaggerGen.dll
          Swashbuckle.AspNetCore.SwaggerUI.dll
    Controllers
    Data
      NotesDbContext.cs
    Models
```


```
Models
  PolicyNote.cs
obj
  PolicyNotes.csproj.nuget.dgspec.json
  PolicyNotes.csproj.nuget.g.props
  PolicyNotes.csproj.nuget.g.targets
  project.assets.json
  project.nuget.cache
Debug
  net8.0
    .NETCoreApp,Version=v8.0.AssemblyAttributes.cs
    ApiEndpoints.json
    apphost.exe
    PolicyNo.88EEBC03.Up2Date
    PolicyNotes.AssemblyInfo.cs
    PolicyNotes.AssemblyInfoInputs.cache
    PolicyNotes.assets.cache
    PolicyNotes.csproj.AssemblyReference.cache
    PolicyNotes.csproj.BuildWithSkipAnalyzers
    PolicyNotes.csproj.CoreCompileInputs.cache
    PolicyNotes.csproj.FileListAbsolute.txt
    PolicyNotes.dll
    PolicyNotes.GeneratedMSBuildEditorConfig.editorconfig
    PolicyNotes.genruntimeconfig.cache
    PolicyNotes.GlobalUsings.g.cs
    PolicyNotes.MvcApplicationPartsAssemblyInfo.cache
    PolicyNotes.MvcApplicationPartsAssemblyInfo.cs
    PolicyNotes.pdb
    rjmshtml.dswa.cache.json
    rjmsrazor.dswa.cache.json
    rpswa.dswa.cache.json
    staticwebassets.build.endpoints.json
    staticwebassets.build.json.cache
    staticwebassets.references.upToDateCheck.txt
    staticwebassets.removed.txt
  EndpointInfo
    PolicyNotes.json
    PolicyNotes.OpenApiFiles.cache
```

```
PolicyNotes.OpenApiFiles.cache
ref
  PolicyNotes.dll
refint
  PolicyNotes.dll
staticwebassets
Properties
  LaunchSettings.json
Repositories
  IPolicyNoteRepository.cs
  PolicyNoteRepository.cs
Services
  PolicyNoteService.cs
PolicyNotes.Tests
  PolicyNotes.Tests.csproj
  bin
    Debug
      net8.0
        appsettings.Development.json
        appsettings.json
        Castle.Core.dll
        CoverletSourceRootsMapping_PolicyNotes.Tests
        Microsoft.AspNetCore.Mvc.Testing.dll
        Microsoft.AspNetCore.TestHost.dll
        Microsoft.EntityFrameworkCore.Abstractions.dll
        Microsoft.EntityFrameworkCore.dll
        Microsoft.EntityFrameworkCore.InMemory.dll
        Microsoft.Extensions.Caching.Memory.dll
        Microsoft.Extensions.DependencyInjection.Abstractions.dll
        Microsoft.Extensions.DependencyInjection.dll
        Microsoft.Extensions.DependencyModel.dll
        Microsoft.Extensions.Logging.Abstractions.dll
        Microsoft.Extensions.Logging.dll
        Microsoft.Extensions.Options.dll
        Microsoft.OpenApi.dll
        Microsoft.TestPlatform.CommunicationUtilities.dll
        Microsoft.TestPlatform.CoreUtilities.dll
```

```
IntegrationTests
  PolicyNotesIntegrationTests.cs
obj
  PolicyNotes.Tests.csproj.nuget.dgspec.json
  PolicyNotes.Tests.csproj.nuget.g.props
  PolicyNotes.Tests.csproj.nuget.g.targets
  project.assets.json
  project.nuget.cache
Debug
  net8.0
    .NETCoreApp,Version=v8.0.AssemblyAttributes.cs
    MvcTestingAppManifest.json
    PolicyNo.0FC80E60.Up2Date
    PolicyNotes.Tests.AssemblyInfo.cs
    PolicyNotes.Tests.AssemblyInfoInputs.cache
    PolicyNotes.Tests.assets.cache
    PolicyNotes.Tests.csproj.AssemblyReference.cache
    PolicyNotes.Tests.csproj.BuildWithSkipAnalyzers
    PolicyNotes.Tests.csproj.CoreCompileInputs.cache
    PolicyNotes.Tests.csproj.FileListAbsolute.txt
    PolicyNotes.Tests.dll
    PolicyNotes.Tests.GeneratedMSBuildEditorConfig.editorconfig
    PolicyNotes.Tests.genruntimeconfig.cache
    PolicyNotes.Tests.GlobalUsings.g.cs
    PolicyNotes.Tests.pdb
  ref
    PolicyNotes.Tests.dll
  refint
    PolicyNotes.Tests.dll
TestResults
  9e49c0f5-4228-46cf-86da-22f3eaf4ab22
  coverage.cobertura.xml
UnitTests
  PolicyNotesTests.cs
```

Swagger Screenshots

POST : create a new note

 Swagger
API DOCUMENTATION

Select a definition **PolicyNotes v1**

PolicyNotes 1.0 OAS 3.0
<https://localhost:7025/swagger/v1/swagger.json>

PolicyNotes

POST /notes

Parameters Cancel Reset

No parameters

Request body required application/json

```
{
  "policyNumber": "PN1001",
  "note": "policy number one, test note."
}
```

Execute Clear

Responses

Curl

```
curl -X 'POST' \
  'https://localhost:7025/notes' \
  -H 'accept: */*' \
  -H 'content-type: application/json' \
  -d '{
    "policyNumber": "PN1001",
    "note": "policy number one, test note."
  }'
```

Request URL

```
https://localhost:7025/notes
```

Server response

Code	Details
201	<div><div>Response body</div><div><pre>{ "id": 1, "policyNumber": "PN1001", "note": "policy number one, test note." }</pre></div><div>Download</div></div> <div><div>Response headers</div><div><pre>content-type: application/json; charset=utf-8 date: Sun, 23 Nov 2025 21:57:11 GMT location: /notes/1 server: Kestrel</pre></div></div>

Responses

Code	Description	Links
200	OK	No links


GET /notes

GET /notes/{id}

Schemas

PolicyNoteRequest >

GET: Get all notes

 Swagger
Powered by SWAGUI

Select a definition PolicyNotes v1

PolicyNotes 1.0 OAS 3.0

<https://localhost:7025/swagger/v1/swagger.json>

PolicyNotes

POST /notes

GET /notes

Parameters

No parameters

Execute Clear

Responses

Curl

```
curl -X 'GET' \
  'https://localhost:7025/notes' \
  -H 'accept: */*'
```

Request URL

https://localhost:7025/notes

Server response


Code	Details
200	<div><div>Response body</div><div><pre>{ "id": 1, "policyNumber": "PN1001", "note": "policy number one, test note." }, { "id": 2, "policyNumber": "PN1002", "note": "policy number two, test note." }, { "id": 3, "policyNumber": "PN1003", "note": "policy number three, test note." } }</pre></div><div>Download</div></div> <div>Response headers</div> <div><pre>content-type: application/json; charset=utf-8 date: Sun, 23 Nov 2025 22:02:44 GMT server: Kestrel</pre></div>

Code	Description	Links
200	OK	No links

Schemas

PolicyNoteRequest >

GET: Get by Id

 Swagger
powered by SMARTBEAR

Select a definition **PolicyNotes v1**

PolicyNotes 1.0 OAS 3.0

<https://localhost:7025/swagger/v1/swagger.json>

PolicyNotes

POST /notes

GET /notes

GET /notes/{id}

Parameters

Name	Description
id required	
integer(int32)	3
(path)	

Execute

Clear

Responses

Curl

```
curl -X 'GET' \
  'https://localhost:7025/notes/3' \
  -H 'accept: */*'

```

Request URL

```
https://localhost:7025/notes/3

```

Server response

Code	Details
200	<div><div>Response body</div><pre>{ "id": 3, "policyNumber": "PN1003", "note": "policy number three, test note." } </pre><div><div>Download</div></div><div>Response headers</div><pre>content-type: application/json; charset=utf-8 date: Sun, 23 Nov 2025 22:03:58 GMT server: Kestrel </pre></div>

Responses

Code	Description	Links
200	OK	No links

Schemas

PolicyNoteRequest >

GET: Get by Id when Id invalid

GET

/notes/{id}

Parameters

Cancel

Name	Description
id * required	
integer(\$int32)	999
(path)	

Execute

Clear

Responses

Curl

```
curl -X 'GET' \
'https://localhost:7025/notes/999' \
-H 'accept: */*'

```

Request URL

```
https://localhost:7025/notes/999

```

Server response

Code	Details
404	Error: response status is 404

Response body

```
{
  "message": "Policy not found"
}
```

Response headers

```
content-type: application/json; charset=utf-8
date: Sun, 23 Nov 2025 22:05:49 GMT
server: Kestrel

```

Responses

Code	Description	Links
200	OK	No links

Test Explorer

Test Explorer

Ready

0 Warnings

0 Errors

Test	Duration	Traits	Error Message
PolicyNotes.Tests (6)	1.9 sec		
<Empty Namespace> (6)	1.9 sec		
PolicyNoteServiceTests (2)	269 ms		
AddAsync_AddsAndReturnsNote	12 ms		
GetAll_ReturnsNotesList	257 ms		
PolicyNotesIntegrationTests (4)	1.6 sec		
GetAll_ReturnsOk	23 ms		
GetById_ReturnsNotFound_IfMi...	1.3 sec		
GetById_ReturnsOk_WhenFound	254 ms		
Post_CreatesNote	15 ms		

Run

Debug

Group Summary

PolicyNotes.Tests

Tests in group: 6

Total Duration: 1.9 sec

Outcomes

6 Passed

