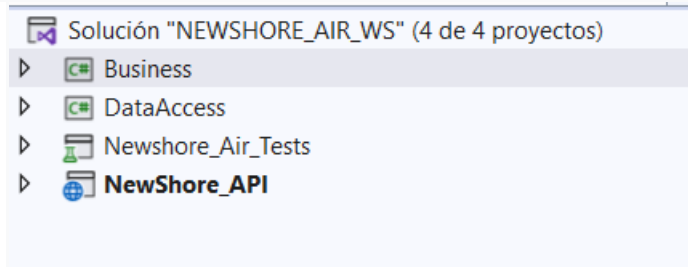


Technical manual.

1) Used version of . Net Core 3.1

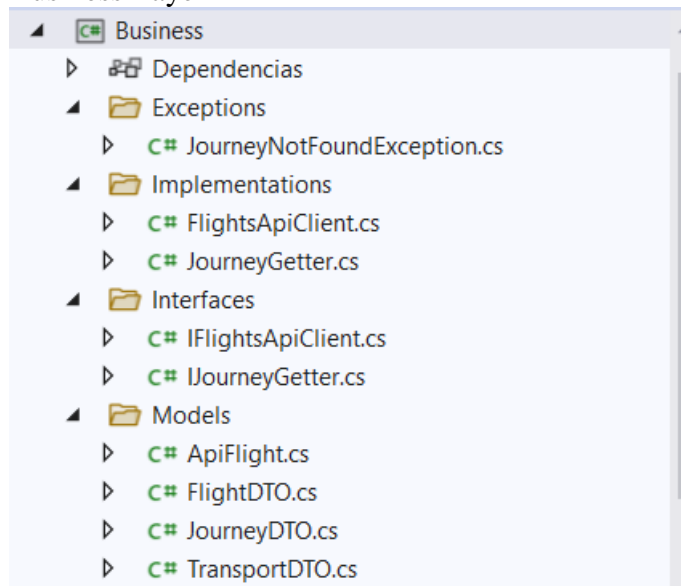
2)



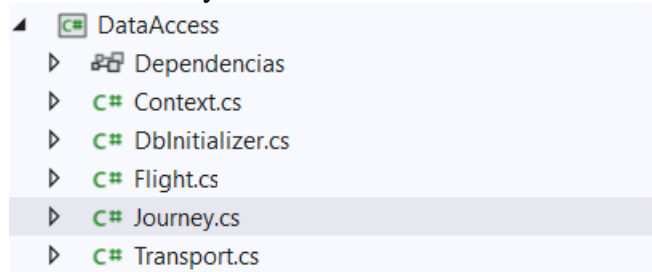
Capable architecture used for problem solving.

3)

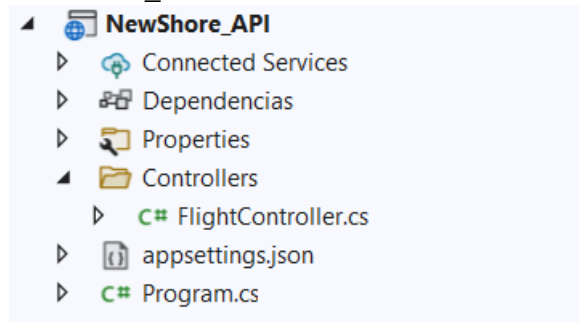
- Business Layer



- DataAccess Layer



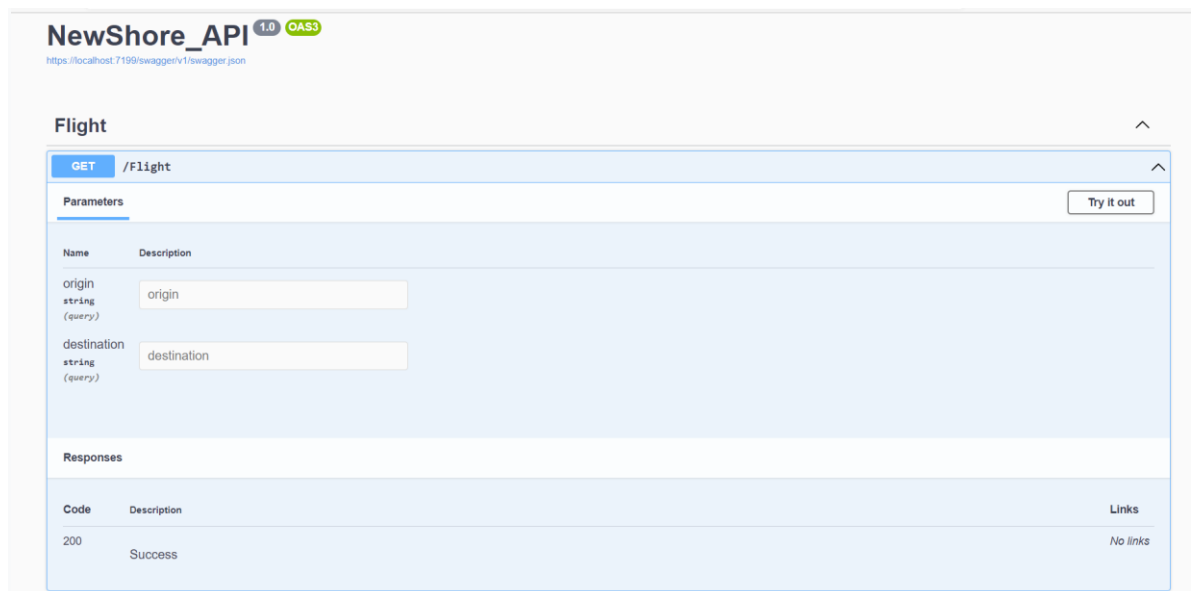
- NewShore_API



User manual.

1) we give you in debug and then start debugging.

2) at startup the following will come out



3) we press on try it out

4) we place the paths as in the following example, and at the end we give it execute

Flight

GET

/Flight

Parameters

Cancel

Name	Description
origin string (query)	<input type="text" value="MNZ"/>
destination string (query)	<input type="text" value="BCN"/>

Execute

Responses

Code	Description	Links
200	Success	No links

- responds with an exception since it is not MNZ, but it is MZL for which there would be no flight

Responses

Curl

```
curl -X 'GET' \
  https://localhost:7199/Flight?origin=MNZ&destination=BCN' \
  -H 'accept: */*'

```

Request URL

https://localhost:7199/Flight?origin=MNZ&destination=BCN

Server response

Code	Details
400	Undocumented Error: response status is 400

Response body

could not find flights from origin to destination

Download

Response headers

content-type: text/plain; charset=utf-8
date: Mon, 11 Jun 2022 01:34:28 GMT
server: Kestrel

Responses

Code	Description	Links
200	Success	No links

- By placing routes that if they are in the service so would respond the program

```

Code    Details
200
Response body
{
  "origin": "MZL",
  "destination": "BCN",
  "price": 400,
  "flights": [
    {
      "departureStation": "MZL",
      "arrivalStation": "BCN",
      "flightCarrier": "CO",
      "flightNumber": "8001",
      "price": 200,
      "transport": {
        "flightCarrier": "CO",
        "flightNumber": "8001"
      }
    },
    {
      "departureStation": "NDE",
      "arrivalStation": "BCN",
      "flightCarrier": "CO",
      "flightNumber": "8004",
      "price": 500,
      "transport": {
        "flightCarrier": "CO",
        "flightNumber": "8004"
      }
    }
  ]
}
Response headers
content-type: application/json; charset=utf-8
date: Mon, 11 Jul 2022 01:37:22 GMT
server: Kestrel
Responses

```

- 5) We can see that we also save in database to be able to do a much faster search

```

info: Microsoft.EntityFrameworkCore.Database.Command[20101]
      Executed DbCommand (10ms) [Parameters=[@__Origin_0='?' (Size = 4000), @__Destination_1='?' (Size = 4000)], Command
Type='Text', CommandTimeout='30']
      SELECT [t].[Id], [t].[Destination], [t].[Origin], [t].[Price], [t0].[Id], [t0].[Destination], [t0].[JourneyId], [t
0].[Origin], [t0].[Price], [t0].[transportId], [t0].[Id0], [t0].[FlightCarrier], [t0].[FlightNumber]
      FROM (
        SELECT TOP(1) [j].[Id], [j].[Destination], [j].[Origin], [j].[Price]
        FROM [Journeys] AS [j]
        WHERE ([j].[Origin] = @__Origin_0) AND ([j].[Destination] = @__Destination_1)
      ) AS [t]
      LEFT JOIN (
        SELECT [f].[Id], [f].[Destination], [f].[JourneyId], [f].[Origin], [f].[Price], [f].[transportId], [t1].[Id] A
S [Id0], [t1].[FlightCarrier], [t1].[FlightNumber]
        FROM [Flights] AS [f]
        INNER JOIN [Transports] AS [t1] ON [f].[transportId] = [t1].[Id]
      ) AS [t0] ON [t].[Id] = [t0].[JourneyId]
      ORDER BY [t].[Id], [t0].[Id]

```

Applied

- Dependency injections
- Database insertion
- layered architecture
- REST API consumption
- Object-oriented programming
- version control
- exception handling
- ORM management in data access

Not applied.

- NewShore _Air_Test, not finished
- Application logs
- unit test