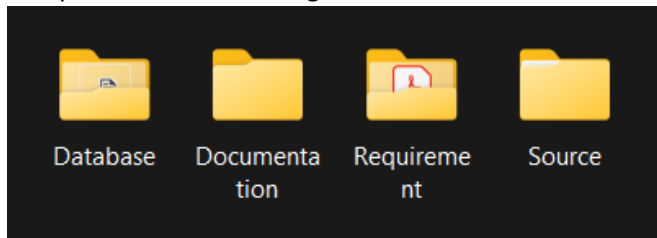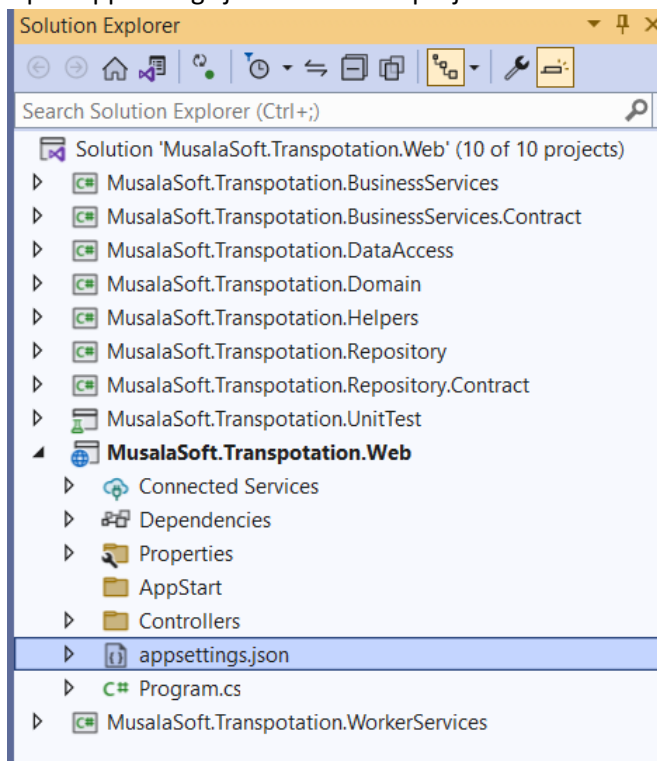# Instructions

❖ Pre-requites.
  - o DB engine – SQL Server 16.0.1050 or above.
  - o .NET Framework 6.0 or above.
  - o Visual studio – 2022 Community edition or above.

❖ Unzip the folder and navigate to the shown folders.

❖ Open the Database folder and execute the script.

❖ Open the project in source > MusalaSoftTranspotation folder and open the solution.
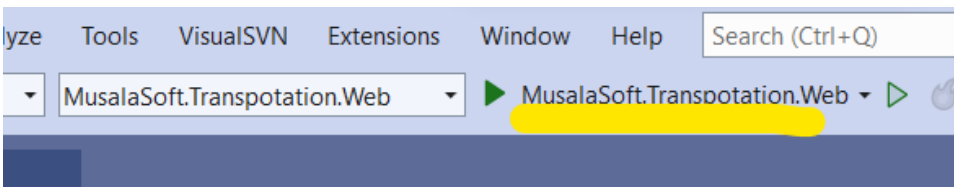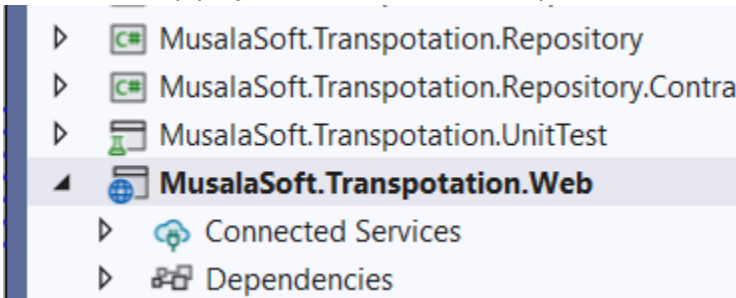
❖ Open appsettings.json in the web project.

❖ Check and change the "DefaultConnection" according to your SQL server instance, where you have restored the database using the script provided.
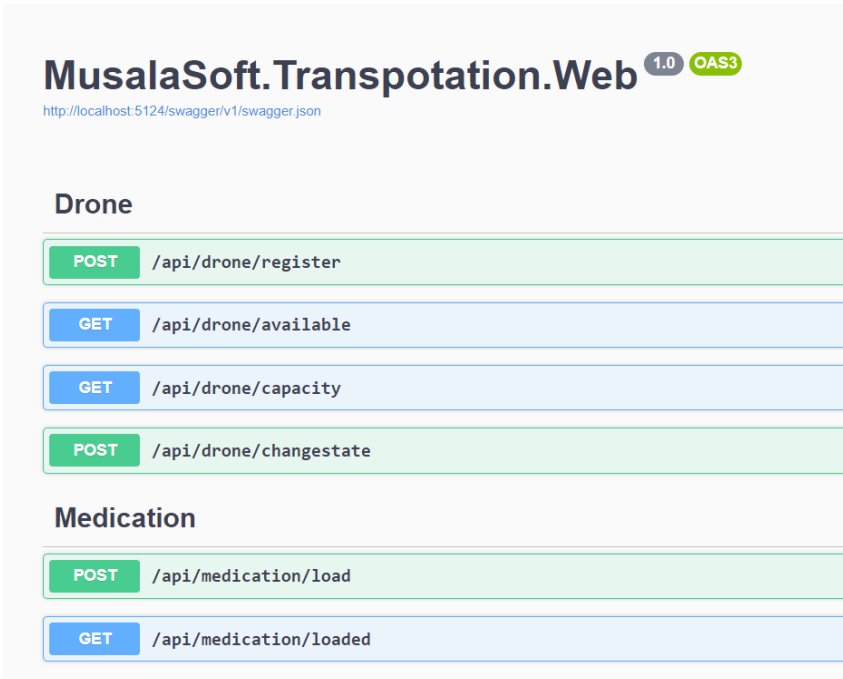
```
□{
  "ConnectionStrings": {
    "DefaultConnection": "Server=localhost\\SQLEXPRESS;Database=MusalaTraspotation;Trusted_Connect:
  },
  "Logging": {
```

❖ Set the start-up project to "MusalaSoft.Transpotation.Web" and execute.

▷   C# MusalaSoft.Transpotation.Repository
▷   C# MusalaSoft.Transpotation.Repository.Contrac
▷   MusalaSoft.Transpotation.UnitTest
◢   **MusalaSoft.Transpotation.Web**
   ▷   Connected Services
   ▷   Dependencies

lyze   Tools   VisualSVN   Extensions   Window   Help   Search (Ctrl+Q)

▼   MusalaSoft.Transpotation.Web   ▼   ▶ MusalaSoft.Transpotation.Web ▼ ▷

❖ After executing the project, API debugger will be opened in the browser.

MusalaSoft.Transpotation.Web [1.0] [OAS3]

http://localhost:5124/swagger/v1/swagger.json

Drone

| POST | /api/drone/register |

| GET | /api/drone/available |

| GET | /api/drone/capacity |

| POST | /api/drone/changestate |

Medication

| POST | /api/medication/load |

| GET | /api/medication/loaded |

```
http://localhost:5124/api/drone/available \
  -H 'accept: */*'
```

Request URL

```
http://localhost:5124/api/drone/available
```

Server response

Code	Details
200	**Response body**

```
{
  "value": [
    {
      "id": 3,
      "serialNumber": "dr-4594-8499",
      "modelId": 3,
      "batteryPercentage": 21,
      "stateId": 1,
      "currentTripId": null
    },
    {
      "id": 4,
      "serialNumber": "dr-5674-02356",
      "modelId": 4,
      "batteryPercentage": 63,
      "stateId": 1,
      "currentTripId": null
    }
  ],
  "formatters": [],
  "contentTypes": [],
  "declaredType": null,
  "statusCode": 200
}
```

Response headers

```
content-type: application/json; charset=utf-8
date: Mon,10 Apr 2023 09:53:42 GMT
server: Kestrel
transfer-encoding: chunked
```

❖ For the GET requests it is possible to directly fetch the data from the browser.

localhost:5124/api/drone/available

{"value":[{"id":3,"serialNumber":"dr-4594-8499","modelId":3,"batteryPercentage":21,"stateId":1,"currentTripId":null},{"id":4,"serialNumber":"dr-5674-02356","modelId":4,"batteryPercentage":63,"stateId":1,"currentTripId":null}],"formatters":[],"contentTypes":[],"declaredType":null,"statusCode":200}

❖ At the same time, the event log will be opened, where you can check the event logs.

```
D:\Development\Masala Soft        ×    +    ∨

info: Microsoft.Hosting.Lifetime[0]
      Hosting environment: Development
info: Microsoft.Hosting.Lifetime[0]
      Content root path: D:\Development\Masala Soft Bugaria - Technical Project\Source\MusalaSoftTranspotation\MusalaSoft.Transpotation.
info: MusalaSoft.Transpotation.WorkerServices.ScopedProcessingService[0]
      Scoped Processing Service is working. Count: 2
info: Microsoft.EntityFrameworkCore.Database.Command[20101]
      Executed DbCommand (24ms) [Parameters=[], CommandType='Text', CommandTimeout='30']
      SELECT [d].[Id] AS [DroneId], [d].[SerialNumber] AS [DroneSerialNumber], [d].[BatteryPercentage] AS [Percentage]
      FROM [Drone] AS [d]
info: MusalaSoft.Transpotation.WorkerServices.ScopedProcessingService[0]
      Drone (1) - dr-6573-76920 => Battery percentage -  34
      Drone (2) - dr-46570-8264 => Battery percentage -  43
      Drone (3) - dr-4594-8499 => Battery percentage -  21
      Drone (4) - dr-5674-02356 => Battery percentage -  63
      Drone (5) - dr-8279-0274 => Battery percentage -  90
      Drone (6) - dr-6748-94857 => Battery percentage -  98

info: MusalaSoft.Transpotation.WorkerServices.ScopedProcessingService[0]
      Scoped Processing Service is working. Count: 3
info: Microsoft.EntityFrameworkCore.Database.Command[20101]
      Executed DbCommand (15ms) [Parameters=[], CommandType='Text', CommandTimeout='30']
      SELECT [d].[Id] AS [DroneId], [d].[SerialNumber] AS [DroneSerialNumber], [d].[BatteryPercentage] AS [Percentage]
      FROM [Drone] AS [d]
info: MusalaSoft.Transpotation.WorkerServices.ScopedProcessingService[0]
      Drone (1) - dr-6573-76920 => Battery percentage -  34
      Drone (2) - dr-46570-8264 => Battery percentage -  43
      Drone (3) - dr-4594-8499 => Battery percentage -  21
      Drone (4) - dr-5674-02356 => Battery percentage -  63
      Drone (5) - dr-8279-0274 => Battery percentage -  90
      Drone (6) - dr-6748-94857 => Battery percentage -  98

info: MusalaSoft.Transpotation.WorkerServices.ScopedProcessingService[0]
      Scoped Processing Service is working. Count: 4
info: Microsoft.EntityFrameworkCore.Database.Command[20101]
      Executed DbCommand (23ms) [Parameters=[], CommandType='Text', CommandTimeout='30']
      SELECT [d].[Id] AS [DroneId], [d].[SerialNumber] AS [DroneSerialNumber], [d].[BatteryPercentage] AS [Percentage]
      FROM [Drone] AS [d]
info: MusalaSoft.Transpotation.WorkerServices.ScopedProcessingService[0]
      Drone (1) - dr-6573-76920 => Battery percentage -  34
      Drone (2) - dr-46570-8264 => Battery percentage -  43
      Drone (3) - dr-4594-8499 => Battery percentage -  21
      Drone (4) - dr-5674-02356 => Battery percentage -  63
      Drone (5) - dr-8279-0274 => Battery percentage -  90
      Drone (6) - dr-6748-94857 => Battery percentage -  98

info: MusalaSoft.Transpotation.WorkerServices.ScopedProcessingService[0]
      Scoped Processing Service is working. Count: 5
info: Microsoft.EntityFrameworkCore.Database.Command[20101]
      Executed DbCommand (21ms) [Parameters=[], CommandType='Text', CommandTimeout='30']
      SELECT [d].[Id] AS [DroneId], [d].[SerialNumber] AS [DroneSerialNumber], [d].[BatteryPercentage] AS [Percentage]
      FROM [Drone] AS [d]
info: MusalaSoft.Transpotation.WorkerServices.ScopedProcessingService[0]
      Drone (1) - dr-6573-76920 => Battery percentage -  34
      Drone (2) - dr-46570-8264 => Battery percentage -  43
```