

Coding Documentation

1. Application is written with Asp.net Core MVC and SQL Server
2. JSON file is hosted on [npoint.io - JSON storage with schema validation](https://api.npoint.io/db18c7b2d429ea9e3400)

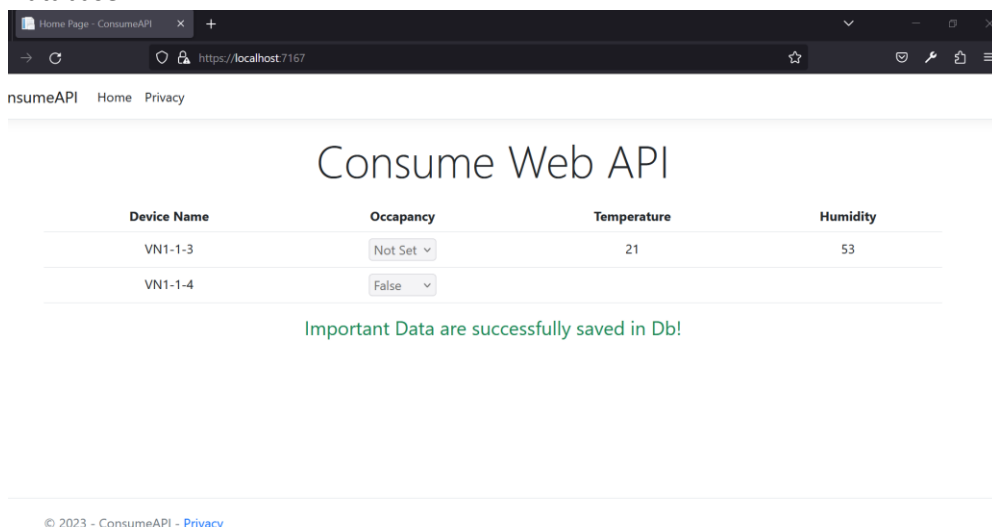
```
← ↻ 🔒 https://api.npoint.io/db18c7b2d429ea9e3400
1 [
2   {
3     "data": {
4       "humidity": 53,
5       "temperature": 21,
6       "fullPowerMode": false,
7       "firmwareVersion": 1,
8       "activePowerControl": false
9     },
10    "groupId": "847b3b2f1b05dc4",
11    "dataType": "DATA",
12    "deviceId": "1bm-878A66",
13    "timestamp": "1629369697",
14    "deviceName": "VN1-1-3",
15    "deviceType": "computer1.0.0"
16  },
17  {
18    "data": {
19      "version": 3,
20      "occupancy": false,
21      "messageType": "periodic",
22      "stateChanged": 0
23    },
24    "groupId": "49548881c4d2bea9",
25    "dataType": "DATA",
26    "deviceId": "1bm-00976A",
27    "timestamp": "1629619040",
28    "deviceName": "VN1-1-4",
29    "deviceType": "computer1.0.0"
30  }
31 ]
```

Tools used in this project

1. Microsoft Visual Studio Community 2022
2. SSMS 18

Key notes to run application

1. Open Solution file with Visual Studio
2. Set Connection String at appsetting.json
3. Run this command "Update-Database" at Tools > Nuget Package Manager > Package Manager Console
4. Finally, Run the application to get the output below and Data are automatically saved to Database.



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Consume Web API

Device Name	Occupancy	Temperature	Humidity
VN1-1-3	Not Set	21	53
VN1-1-4	False		

Important Data are successfully saved in Db!

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