Backend developer assignment

Implement an application which aims to provide the historical trend of oil price.
The application shall provide a JSON-RPC method named `GetOilPriceTrend` over HTTP.

The method shall accept the following parameters:

- **startDateISO8601**, the starting date of the period to retrieve data from, in ISO 8601
format (e.g. 2000-12-25)

- **endDateISO8601**, the ending date of the period to retrieve data from, in ISO 8601
format (e.g. 2001-01-20)

The response should be a list of data points representing the price for each day included in the
period.

Example request payload

```
{
    "id": 1,
    "jsonrpc": "2.0",
    "method": "GetOilPriceTrend",
    "params": {
        "startDateISO8601": "2020-01-01",
        "endDateISO8601": "2020-01-05"
        }
}
```

Example response payload

```
{
"jsonrpc": "2.0",
"id": 1,
"result": {
    "prices": [
        {
        "dateISO8601": "2020-01-01",
        "price": 12.3
        },
        {
        "dateISO8601": "2020-01-02",
        "price": 13.4
        },
        {
        "dateISO8601": "2020-01-03",
        "price": 14.5
        },
        {
        "dateISO8601": "2020-01-04",
        "price": 16.7
        },
        {
        "dateISO8601": "2020-01-05",
        "price": 18.9
        }
    ]}
}
```

You can find the historical price of Europe Brent at this address https://datahub.io/core/oilprices/r/brent-daily.json

Constraints

- Use C#, VB.Net
- Publish your project to an accessible git source code repository
- Provide clear instructions on how to run your project through a README file

Bonus Points

- Usage of C#
- Usage of .Net Core 3.1 or higher
- Docker containerization
- Automated tests
- Dynamically retrieve the data file during application startup time

Notes

- There is no limit on usage of frameworks