.NET Developer Assessment for Data Broker Team

Background

When importing JSON data to the Mendix domain model we wish to create Mendix objects in an efficient manner to minimise database transactions.

To be able to process incoming JSON data to create objects, while minimizing database transactions, we need to interpret all the JSON attributes first before we interpret the JSON objects and JSON arrays. This is because we need to instantiate new objects and associations when interpreting JSON objects and arrays.

Assignment Overview

Build a simple application in C# that accepts a JSON InputStream as an input. The output should be an Outputstream with the same JSON content but the fields in each object should be reordered so that the primitive properties (such as string, number, and boolean) are at the start of the object.
Your application should accept any valid JSON file
Feel free to make use of libraries available to support your work e.g.

https://www.newtonsoft.com/json

Json.NET - Newtonsoft •

The example below is only for illustration purposes. Please write a solution in C#.

Example Input

```
{
    "FirstName": "Arthur",
    "LastName": "Bertrand",
    "Adrress": {
        "StreetName": "Gedempte Zalmhaven",
```

```
        "Number": "4K",
        "City": {
            "Name": "Rotterdam",
            "Country": "Netherlands"
        },
        "ZipCode": "3011 BT"
    },
    "Age": 35,
    "Hobbies": ["Fishing", "Rowing"]
}
```

Example Output

```
{
    "FirstName": "Arthur", "LastName": "Bertrand", "Age": 35,
    "Adrress": {
        "StreetName": "Gedempte Zalmhaven", "Number": "4K", "Z
ipCode": "3011 BT",
        "City": {
            "Name": "Rotterdam",
            "Country": "Netherlands"
        }
    },
    "Hobbies": ["Fishing", "Rowing"]
}
```

Evaluation Criteria

We value the following:

- Test Driven Development (TDD) and test coverage
- Object-oriented style in C#
- Code that written in such a way it doesn’t need code comments or documentation

Submission Instructions

Please provide the following in your submission:

- Zip of the full solution (preferred). Alternatively a private link to the source code on a

version control platform (such as GitHub).

- A brief summary of your approach to the assignment.