Objective

Develop a .NET API that integrates and consumes multiple external services efficiently, using an architecture that the developer may choose.

Requierements

1. API Integrations

The API must consume the following endpoints:

- **https://api.restful-api.dev**

    The following endpoints must be consumed:

    - Get all the objects --> GET https://api.restful-api.dev/objects.

    - Get a specific object by ID --> GET https://api.restful-api.dev/objects/{{Id}}

    - Create a new object --> POST https://api.restful-api.dev/objects

    - Update an existing object --> PUT https://api.restful-api.dev/objects/{{Id}}

- **https://randomuser.me**

    - Get a random user --> GET https://randomuser.me/api,

    - Create the following object with the data obtained from the above endpoint:

```json
{
  "name": {
    "title": "",
    "first": "",
    "last": ""
  },
  "login": {
    "uuid": "",
    "username": "",
    "password": "",
    "salt": "",
    "md5": "",
    "sha1": "",
    "sha256": ""
  }
}
```

- The above payload must be sent to the endpoint --> POST https://webhook.link/{{id}}
    - The above link must be generated with the endpoint --> GET https://webhook.link/api/new
    - To check if the data is posted correctly, check the following URL --> https://webhook.link/inspect/{{id}}
- When hitting the Webhook endpoints, the API should include the following header:
    - **Header:** "Testheader"
    - **Value:** "6E3F37EF-2DBC-4062-B974-5812DCB0B2AC".

2. Technical requirements

The application must meet the following criteria:

- Implement an architecture that the developer sees fit**.**
- Handle errors related to the external APIs and those created inside the application
- Register the API's request/responses and the external APIs request/responses.