Dependencies

```
PM> Install-Package Newtonsoft.Json
using Newtonsoft.Json.Linq;
using System.Net.Http;
```

Main Asynchronous Task Example

Answer Class

```
public class Answer
{
    public string InternalErrorMessage { get; set; } = string.Empty;
    public bool InternalError {
        get {
            return !InternalErrorMessage.Equals(string.Empty);
        }
    }
    public HttpResponseMessage? Response { get; set; }
    public JObject? Result { get; set; }
}
```

GET Method (Base)

```
public class Get
    public static async Task<Answer> Request(string apiUrl, Dictionary<string,</pre>
string> headers)
    {
        Answer answer = new Answer();
        using (HttpClient client = new HttpClient())
        {
            try
            {
                foreach (var item in headers)
                    client.DefaultRequestHeaders.Add(item.Key, item.Value);
                answer.Response = await client.GetAsync(apiUrl);
                answer.Result = JObject.Parse(
                   await answer.Response.Content.ReadAsStringAsync());
            }
            catch (HttpRequestException rex)
                answer.InternalErrorMessage = rex.Message;
            }
        }
        return answer;
    }
}
POST Method (Base)
```

```
public class Post
    public static async Task<Answer> Request(string apiUrl, Dictionary<string,</pre>
string> headers, object parameters)
        Answer answer = new Answer();
        using (HttpClient client = new HttpClient())
        {
            try
            {
                foreach (var item in headers)
                {
                    client.DefaultRequestHeaders.Add(item.Key, item.Value);
                StringContent content = new
StringContent(JObject.FromObject(parameters).ToString(), Encoding.UTF8,
"application/json");
                answer.Response = await client.PostAsync(apiUrl, content);
                answer.Result = JObject.Parse(await
answer.Response.Content.ReadAsStringAsync());
            }
            catch (HttpRequestException rex)
                answer.InternalErrorMessage = rex.Message;
        return answer;
    }
}
```

GET method with using DeserializeObject

```
using System;
using System.Net.Http;
using System. Threading. Tasks;
using Newtonsoft.Json;
class Program
    static async Task Main(string[] args)
        await GetApiData();
    static async Task GetApiData()
        string apiUrl = "http://localhost:3000/todo";
        using (HttpClient client = new HttpClient())
            try
            {
                HttpResponseMessage response = await client.GetAsync(apiUrl);
                string responseBody = await response.Content.ReadAsStringAsync();
                var parsedData =
             JsonConvert.DeserializeObject<dynamic>(responseBody);
                Console.WriteLine(parsedData);
            }
            catch (HttpRequestException e)
                Console.WriteLine($"Request execution failed!More: {e.Message}");
        }
    }
}
```