

System Documentation on Testing and accessing

The System has been developed using the following technologies;

IDE: Microsoft Visual Studio 2019

Language: C#

Web service: Rest Json

Framework: .Net Framework 4.7.2

Prerequisites;

- You need to install Microsoft Visual Studio 2019, Run the project on it.

Source Code

The solution is found on GitHub

<https://github.com/tarsel/LendingTest>

While Using Localhost

<http://localhost:58861/Help> -> The Web Api Service Document

<http://localhost:58861/Help/Api/POST-application-services-ussdservice> -> Full Webservice documentation. Its self-documenting.

This is the webservice url. Call this url on Post Man or Advanced Rest Client.

[http://localhost:58861/](http://localhost:58861/application/services/ussdservice) application/services/ussdservice

While Using Hosted Service (I have it hosted on cloud for ease of testing)

<http://dtone.kenlinks.net/Help> -> The Web Api Service Document

<http://dtone.kenlinks.net/Help/Api/POST-application-services-ussdservice> -> Full Webservice documentation. Its self-documenting.

This is the webservice url. Call this url on Post Man or Advanced Rest Client.

[http://dtone.kenlinks.net/](http://dtone.kenlinks.net/application/services/ussdservice) application/services/ussdservice

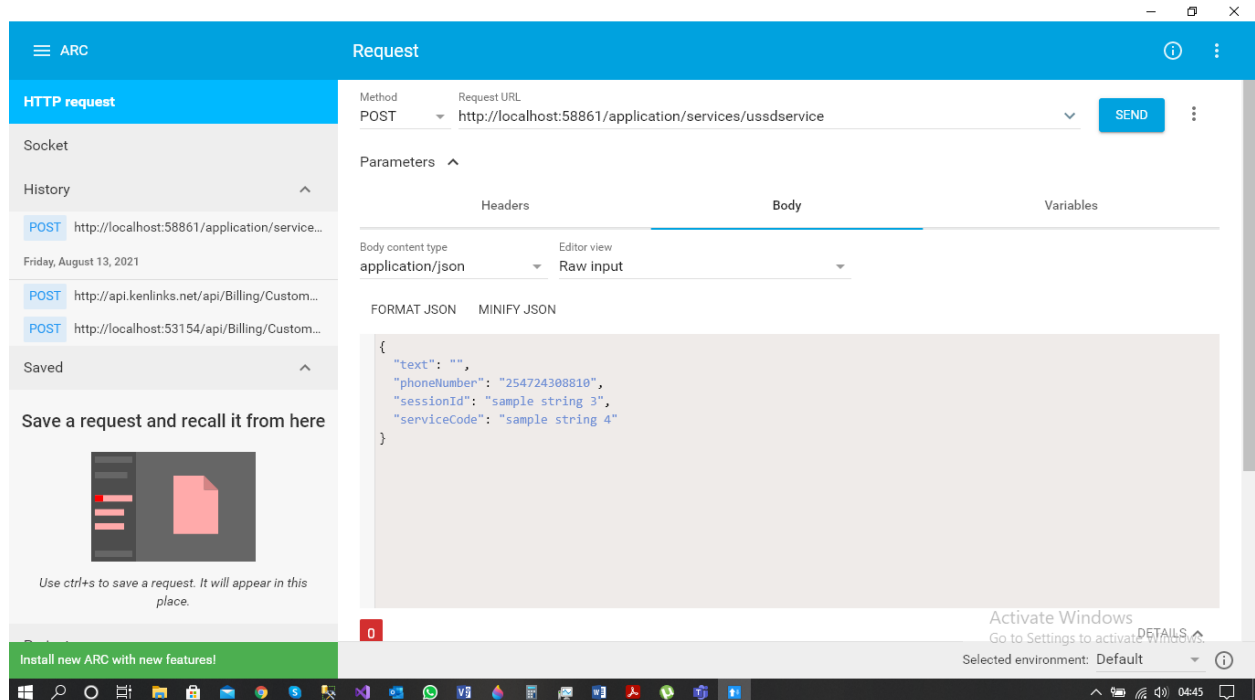
Description

The system has exposed a USSD service through the Web Service to be run on either Post Man or Advance Rest Client.

Content-Type : application/json

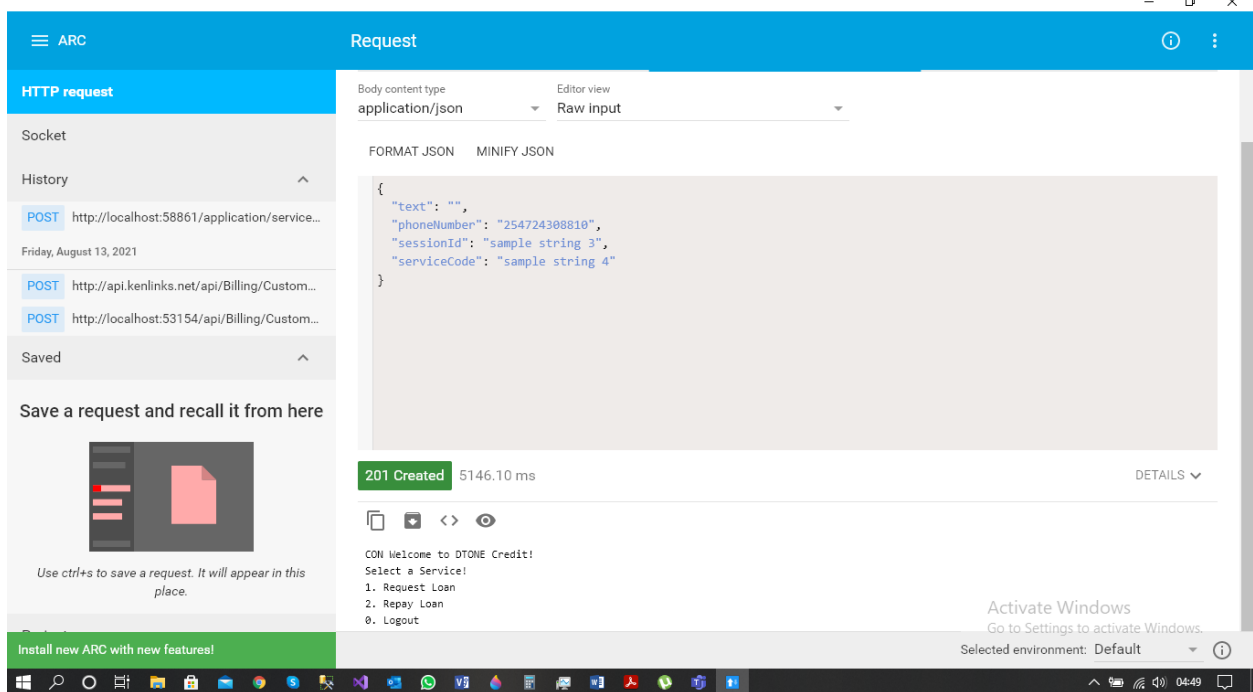
on the body, have the Json object on the body of the Advance Rest Client as below image. / in the following format.

```
{
  "text": "",
  "phoneNumber": "0724308810",
  "sessionId": "1234",
  "serviceCode": "1234"
}
```

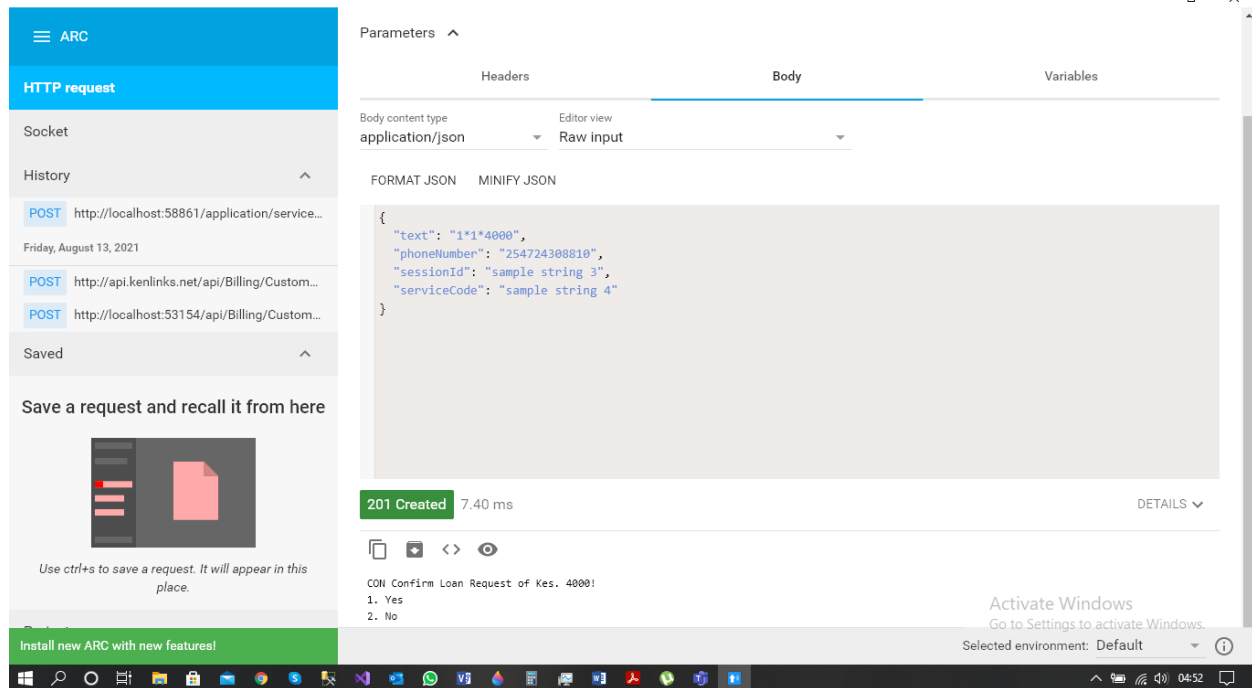


So on the first Query of the body, kindly leave the **text=""** as blank according to the image above, so as to get the menu, according to the image below.

Note: All the Responses of your selection are found at the bottom of the images or the Post Man or Rest Client tool.



When the menu presents itself, kindly join the selection on the text="" value with asterisks as the image below. The text="" value contains all your selections to the service, which should be maintained there.



Note: All the Responses of your selection are found at the bottom of the images or the Post Man or Rest Client tool.

What improvements needs to be done to make this test better

- Have the processes clearly defined.
- Format the requirements clearly in a well-documented manner.
- If the test can be more intuitive.
- Loan Repayment is not well articulated, if you can have what value is being paid against or even have some hardcoded value that needs to be paid to simulate the whole work flow.