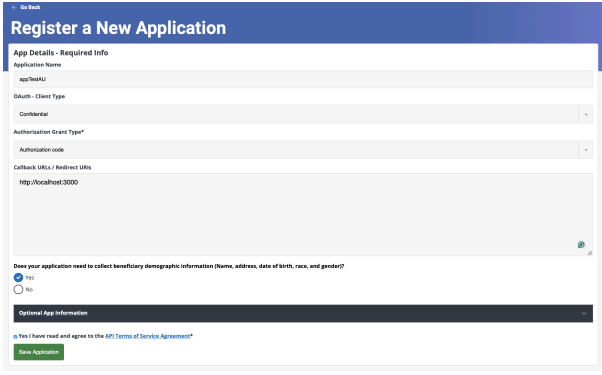
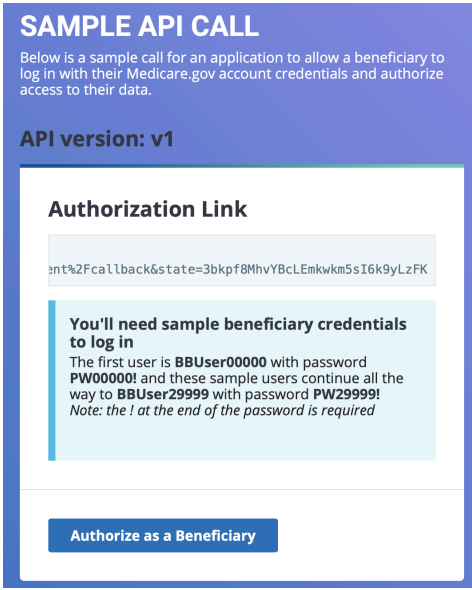
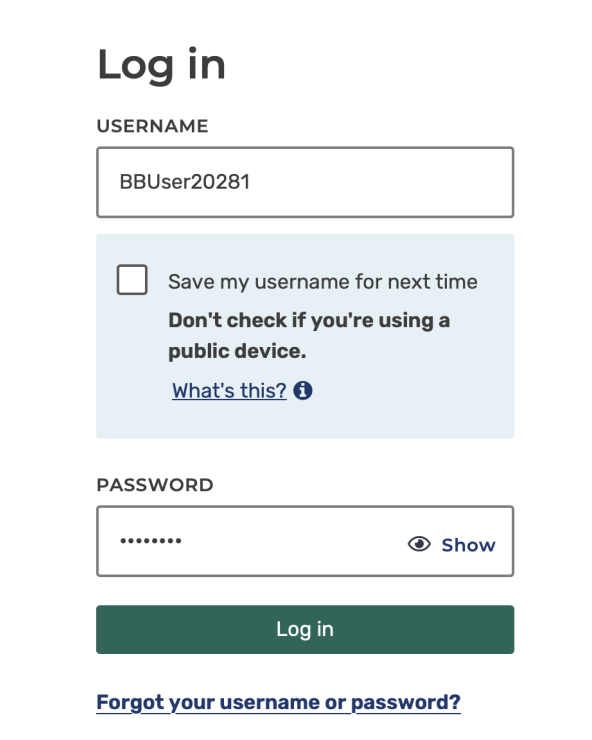
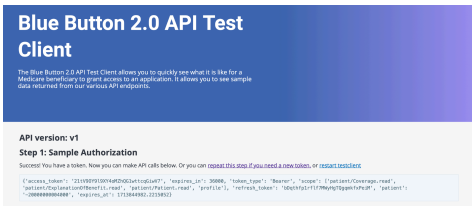
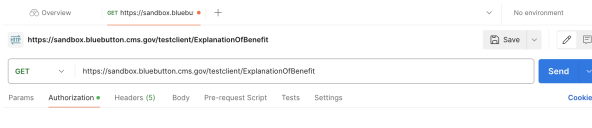
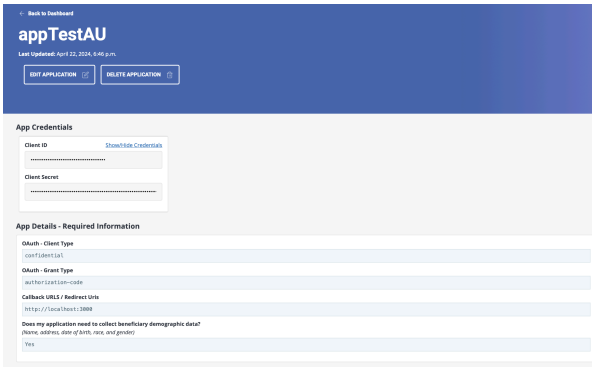


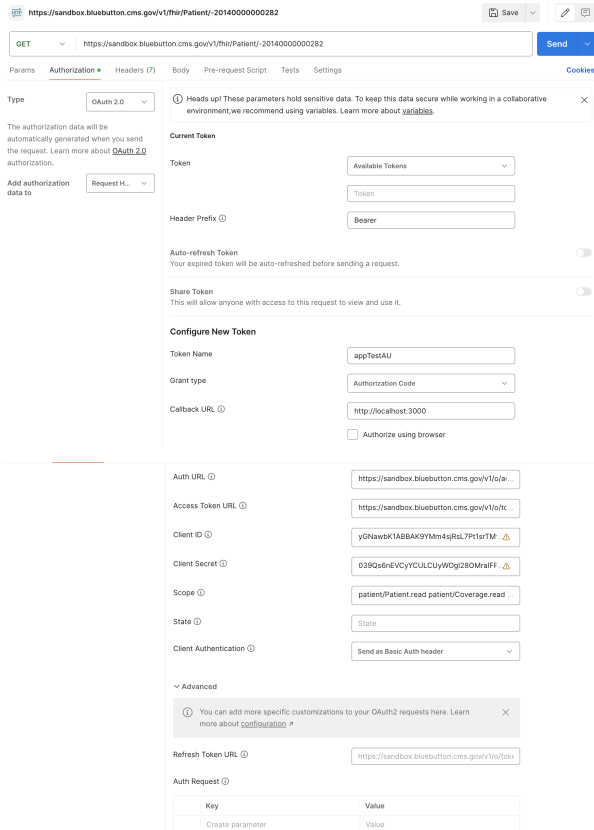
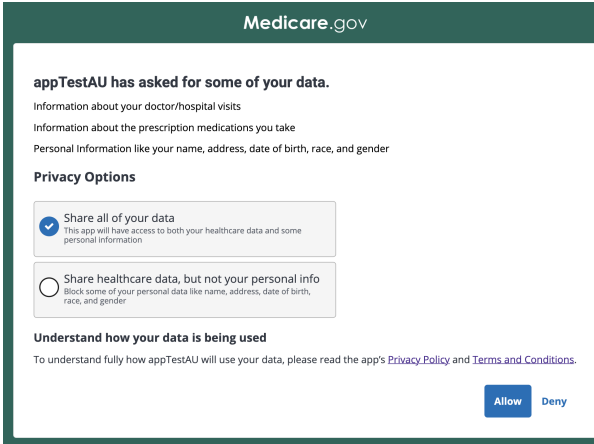
NetID: au198
Aizhan Uteubayeva

Assignment 10: CMS Data Access with Blue Button using FHIR

Workflow:

I	<p>New Application</p> <ul style="list-style-type: none">- Registered the account- Registered a new application with the http://localhost:3000	
II	<p>Testing the sample</p> <ul style="list-style-type: none">• Navigated to the “Test Client”• Clicked the authorization of the token	

III	<p>MyMedicare.gov. Login</p> <ul style="list-style-type: none"> • Redirected to the MyMedicare.gov Login page • Retrieved the username and password from CSV file: <ul style="list-style-type: none"> ○ Used the username: BBUser20281 ○ Password: PW20281! • Allowed access to make API calls 	
IV	<p>API Test Client</p> <ul style="list-style-type: none"> - Name: aizhanfirewall - Priority: 1000 - Direction of traffic: Ingress - Action on match: Allow 	
V	<p>Postman App</p> <ul style="list-style-type: none"> - Created an account with Postman - Inserted the URL in the new tab 	
VI	<p>Retrieving information</p> <ul style="list-style-type: none"> - Got the Client ID - Got Client Secret 	

VII	<p>New Token Information</p> <p>Pasted the <code>https://sandbox.bluebutton.cms.gov/v1/fhir/Patient/-1999000000001 Authorization</code> – “OAuth 2.0”</p> <p>Parameters: Token Name: appTestAU Grant Type: Authorization Code Callback URL: <code>http://localhost:3000</code> Auth URL: <code>https://sandbox.bluebutton.cms.gov/v1/o/authorize/</code> Access Token URL: <code>https://sandbox.bluebutton.cms.gov/v1/o/token/</code> Client ID: used from above Client Secret: used from above Scope: <code>patient/Patient.read</code> <code>patient/Coverage.read</code> <code>patient/ExplanationOfBenefit.read</code> <code>profile</code> Client Authentication: “Send as Basic Auth header”</p>	
VIII	<p>Request Token</p> <p>The Medicare.gov login appeared</p>	

Request Token Processed

The information of the token
appeared
The data was retrieved

MANAGE ACCESS TOKENS

All Tokens

Delete

appTestAU	Token Name	appTestAU
appTestAU	Access Token	8iZ7ycuWO9waJuXINxEMJmgVZ92X7P
appTestAU	Token Type	Bearer
appTestAU	expires_in	36000
appTestAU	scope	patient/Patient.read patient/Coverage.read patient/ExplanationOfBenefit.read profile
appTestAU	refresh_token	ogUxYW7UDQnouyqfXyK1vMpcSeu4WC
appTestAU	patient	-20140000000282
appTestAU	access_token_url	https://sandbox.bluebutton.cms.gov/v1/o/token/

Overview

GET https://sandbox.bluebutton.cms.gov/v1/fhir/Patient/-20140000000282

Save

Send

Params

Authorization

Headers (8)

Body

Pre-request Script

Tests

Settings

Cookies

Type

OAuth 2.0

Heads up! These parameters hold sensitive data. To keep this data secure while working in a collaborative environment, we recommend using variables. Learn more about variables.

The authorization data will be automatically generated when you send the request. Learn more about OAuth 2.0 authorization.

Add authorization data to

Request H...

Current Token

This token is only available to you. Sync the token to let collaborators on this request use it.

Token

appTestAU

J644Aiw5hXLBODmfN0x3zQdDCIEK

Body

Cookies (1)

Headers (23)

Test Results

Status: 200 OK Time: 194 ms Size: 1.54 KB Save as example

Pretty

Raw

Preview

Visualize

JSON

1

2 {

3 "resourceType": "Patient",

4 "id": "-20140000000282",

5 "meta": {

6 "lastUpdated": "2021-06-07T21:51:04.288-04:00"

7 },

8 "extension": [

9 {

10 "url": "https://bluebutton.cms.gov/resources/variables/race",

11 "valueCoding": {

12 "system": "https://bluebutton.cms.gov/resources/variables/race",

13 "code": "1",

14 "display": "White"

15 },

16 },

17 {

18 "url": "https://bluebutton.cms.gov/resources/variables/rfnc_pr",

19 "valueDate": "0603"

20 }

21]

22 }