API Specification For Authorized Partners

Introduction

This document details the workflow and APIs provided by Samarth for sharing CUET UG 2023 data with applications of participating universities.

Requesting access to CUET UG 2023 Administration Portal

Participating Universities may request NTA for the creation of an account on the CUET UG 2023 Administration Portal. After obtaining login credentials, the authorized universities will be able to generate secret tokens for fetching candidate registration data and select uploads through APIs, from the Samarth CUET UG 2023 Platform.
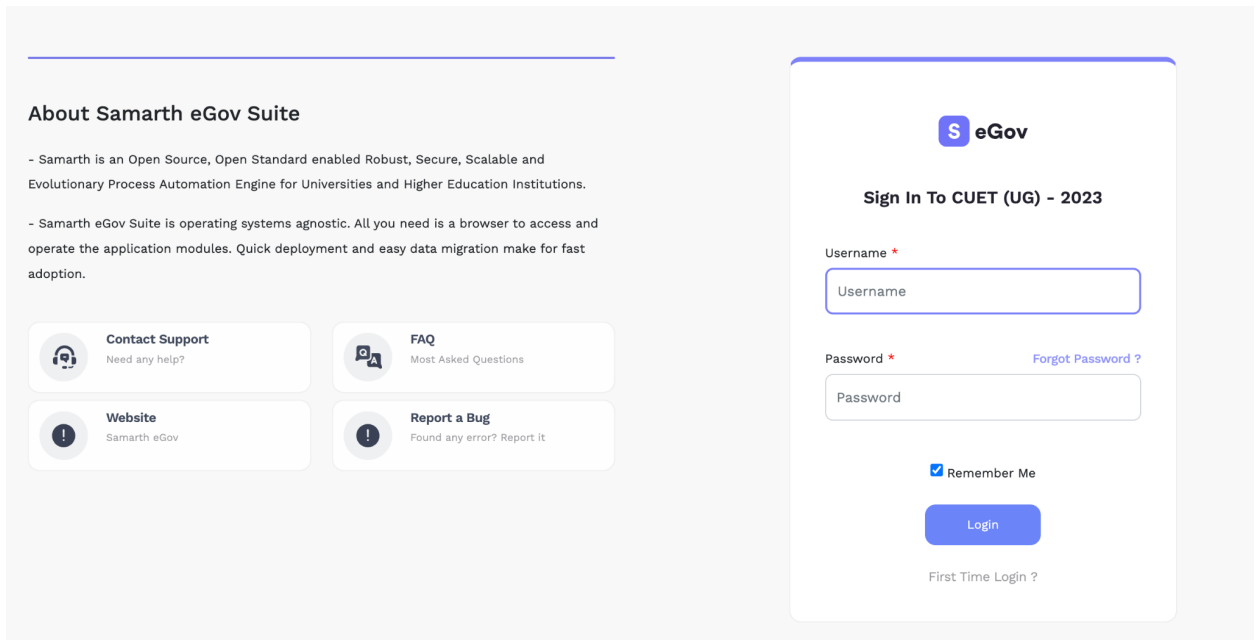
API Access Token Generation

After obtaining access to CUET UG 2023 Administration Portal, the authorized universities can generate **"API Access Tokens"** through the "**Manage API Access Tokens**" Interface.
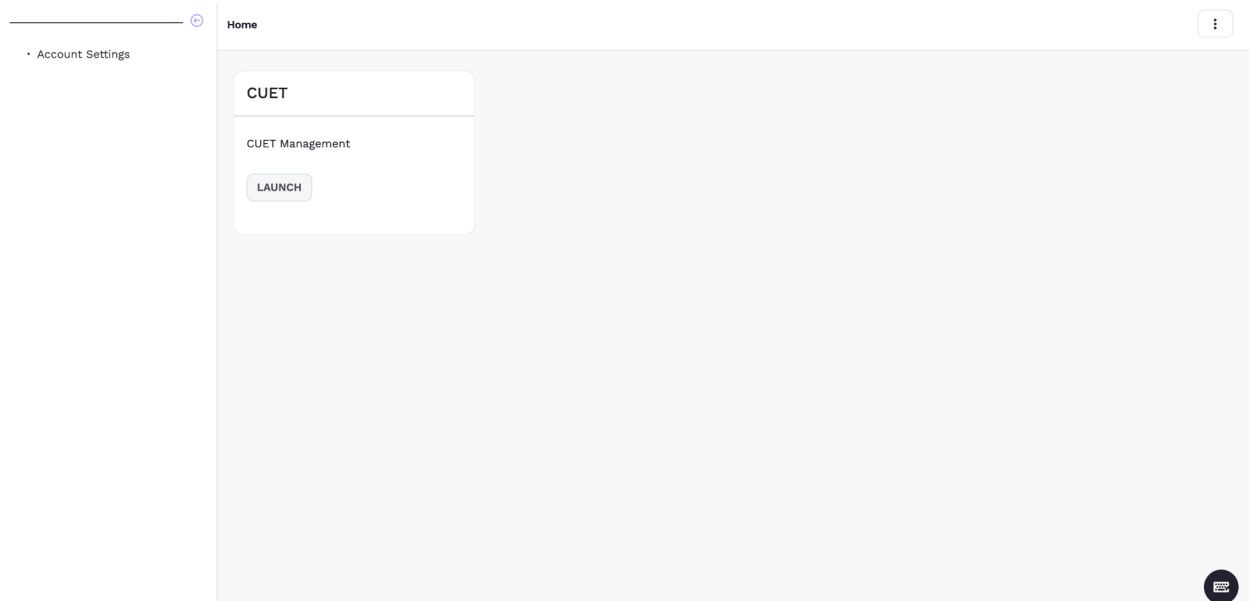
To generate secret tokens, follow the steps below:

1. Login to the CUET Admin portal using credentials provided by NTA/Samarth

   URL : https://adm23cuet.samarth.ac.in/231/

2. On the Dashboard, click on the **Launch** button on **CUET Management**

3. On **Manage API Access Tokens** click on **Launch** button

CUET Statistics

Programme Eligibility	Registration Report	Manage API Access Tokens
CUET Programme Eligibility List	Registration Report	API Access Tokens
LAUNCH	LAUNCH	LAUNCH

4. On the Manage API Access Tokens page, click on **Generate New Access Token**

Manage API Access Tokens

Showing **1-1** of **1** item.   Generate New Access Token

S.No.	Label	University Name	Status	Generated At	Revoked At	Access Token	Actions
1	DEMO API	DEMO UNIVERSITY	GENERATED TOKEN	2022-08-10 16:07:14	--	Revoke	View

5. A form is shown with the following fields
    a. Label -> Give a label to your access token.
    b. IP Whitelist -> Mention all the IP addresses (separated by a comma) which you want to whitelist for accessing API data.
       Ex: 14.139.226.88,12.131.221.82 etc.
    c. I have Read and Agree with the Terms And Conditions -> Click on it if you agree to all terms and conditions

Generate New Access Token ✕

Label *

DEMO API

IP Whitelist *

14.139.226.88,12.131.221.82

☑ I have read and agree with the terms and conditions.

Generate

6. An access token will be auto-generated. Users can click on the copy button to copy it to the clipboard **[NOTE- This access token is visible one time only so the user MUST copy and save the access token for future use]**

Access Token : DEMO UNIVERSITY

University Name	DEMO UNIVERSITY
Label	DEMO API
Status	**GENERATED TOKEN**
Access Token	▬▬▬▬▬▬▬▬▬▬▬ Copy
Generated At	2022-08-10 16:07:14
Revoked At	--

NOTE- This Access Token is visible for one time only so the user must copy and save it for future use.

Close

7. The user can then use this access token to access the data via APIs.

8. If the user wants to delete the access token then they can do so by clicking on the **revoke** button on the API Dashboard.

Showing **1-1** of **1** item.

Generate New Access Token

S.No.	Label	University Name	Status	Generated At	Revoked At	Access Token	Actions
1	DEMO API	DEMO UNIVERSITY	GENERATED TOKEN	2022-08-10 16:07:14	--	Revoke	View

Fetching Data

Data Attributes of Candidate Registration Data available through API

S.No	Attribute	Attribute Meaning
1	application_no	CUET UG 2023 Application Number
2	name	Candidate's Name (As per class X or Equivalent Certificate)
3	email	Email Address
4	gender	Gender
5	nationality	Nationality
6	other_nationality	Citizen of the Country
7	category	Category
8	pwd_applicable	If you are a PwBD Candidate with benchmark disability 40% or more/severe where percentage is not defined
9	pwd_category	Type of Disability

S.No	Attribute	Attribute Meaning
10	pwd_category_other	Other Type of Disability
11	pwd_war	Do you need a Scribe (As per the criteria given in the Information Bulletin)?
12	father_name	Father's Name
13	father_qualification	Father's Qualification
14	father_occupation	Father's Occupation
15	mother_name	Mother's Name
16	mother_qualification	Mother's Qualification
17	mother_occupation	Mother's Occupation
18	guardian_name	Guardian's Name
19	family_income	Annual Family Income
20	twin	Are You Twin ?
21	twin_name	Name of the other Brother/Sister as per Class X Certificate
22	domicile_state	Domicile State
23	residence_place	Place of Residence
24	medium_schooling	Medium of Study in Qualifying Examination
25	country	Country (Present Address)
26	add_state	State/UT (Present Address)
27	add_district	District (Present Address)
28	country_pr	Country (Permanent Address)
29	add_state_pr	State/UT (Permanent Address)
30	add_district_pr	District (Permanent Address)
31	bpl	Do you belong to the Below Poverty Line ?
32	kashmiri_migrant	Are you a Kashmiri Migrant ?
33	cw_quota	Ward of Defense Personnel / Ex-Servicemen
34	ncc_selection	Claim for NCC Quota

S.No	Attribute	Attribute Meaning
35	sports_selection	Claim for Sports Quota
36	sports_achievement	Level of Sports Achievement
37	ward_quota	Are you a ward of University Employees?
38	ward_quota_relation_father	Is your Father Employee of University
39	ward_university_father	Name of the University
40	ward_employee_id_father	Father's Employee ID
41	ward_department_father	Name of the Department/Affiliated College
42	ward_employee_designation_father	Father's Designation
43	ward_employment_status_father	Father's Employment Status
44	ward_quota_relation_mother	Is your Mother Employee of University
45	ward_university_mother	Name of the University
46	ward_employee_id_mother	Mother's Employee ID
47	ward_department_mother	Name of the Department/Affiliated College
48	ward_employee_designation_mother	Mother's Designation
49	ward_employment_status_mother	Mother's Employment Status
50	x_result_status	Xth Result Status
51	x_passing_year	Xth Passing Year
52	x_course_name	Xth Qualifying Exam
53	x_schooling_place	Xth Place of Schooling
54	x_school_type	Xth Type of School/College
55	x_school_type_other	Xth Other Type of School/College
56	x_country	Xth Qualifying Examination Country

S.No	Attribute	Attribute Meaning
57	x_state	Xth Qualifying Examination State
58	x_district	Xth Qualifying Examination District
59	x_board	Xth Board Name
60	x_board_other	Xth Other Board Name
61	x_result_type	Xth Result Mode
62	x_grade_point	Xth Maximum Grade Point
63	x_cgpa_obtained	Xth CGPA Obtained
64	x_cgpa	Xth CGPA Equivalent Percentage
65	x_maximum_marks	Xth Maximum Marks
66	x_marks_obtained	Xth Marks Obtained
67	x_percentage	Xth Percentage
68	xii_result_status	XIIth Result Status
69	xii_passing_year	XIIth Passing Year
70	xii_course_name	XIIth Qualifying Exam
71	xii_schooling_place	XIIth Place of Schooling
72	xii_school_type	XIIth Type of School/College
73	xii_school_type_other	XIIth Other Type of School/College
74	xii_country	XIIth Qualifying Examination Country
75	xii_state	XIIth Qualifying Examination State
76	xii_district	XIIth Qualifying Examination District
77	xii_board	XIIth Board Name

S.No	Attribute	Attribute Meaning
78	xii_board_other	XIIth Other Board Name
79	xii_result_type	XIIth Result Mode
80	xii_grade_point	XIIth Maximum Grade Point
81	xii_cgpa_obtained	XIIth CGPA Obtained
82	xii_cgpa	XIIth CGPA Equivalent Percentage
83	xii_maximum_marks	XIIth Maximum Marks
84	xii_marks_obtained	XIIth Marks Obtained
85	xii_percentage	XIIth Percentage
86	university_programme_selection	University Name and Programme
87	test_paper_1	Test Paper/Subject 1
88	test_paper_medium_1	Medium of Test Paper / Subject 1
89	test_paper_2	Test Paper/Subject 2
90	test_paper_medium_2	Medium of Test Paper / Subject 2
91	test_paper_3	Test Paper/Subject 3
92	test_paper_medium_3	Medium of Test Paper / Subject 3
93	test_paper_4	Test Paper/Subject 4
94	test_paper_medium_4	Medium of Test Paper / Subject 4
95	test_paper_5	Test Paper/Subject 5
96	test_paper_medium_5	Medium of Test Paper / Subject 5
97	test_paper_6	Test Paper/Subject 6
98	test_paper_medium_6	Medium of Test Paper / Subject 6

S.No	Attribute	Attribute Meaning
99	test_paper_7	Test Paper/Subject 7
100	test_paper_medium_7	Medium of Test Paper / Subject 7
101	test_paper_8	Test Paper/Subject 8
102	test_paper_medium_8	Medium of Test Paper / Subject 8
103	test_paper_9	Test Paper/Subject 9
104	test_paper_medium_9	Medium of Test Paper / Subject 9
105	test_paper_10	Test Paper/Subject 10
106	test_paper_medium_10	Medium of Test Paper / Subject 10
107	photo	Photo of Candidate
108	signature	Signature of Candidate
109	category_certificate	Category Certificate
110	km_certificate	Kashmiri Migrant Certificate
111	bpl_certificate	Below-Poverty-Line Certificate of Candidate
112	cw_certificate	Ward of Defense Personnel/ Ex Servicemen Certificate
113	pwd_certificate	PwD Certificate

Data API : For Fetching Candidate Registration Data

Data API allows your application to get the candidate's registration data.
URL STRUCTURE

<pre>
Data Endpoint:
https://apicuet.samarth.ac.in/index.php/v1/data-api
</pre>

HTTP METHOD   POST

HTTP REQUEST HEADER

1. **Authorization** -> *Bearer Token* -> <the access token generated via CUET Admin portal's API Access Token Generation>

PARAMETERS
1. **application_no** -> Application Number of the candidate
2. **day** -> Day of candidate's DOB
3. **month** -> Month of candidate's DOB
4. **year** -> Year of candidate's DOB

REQUEST QUERY FORMAT
Curl request:
curl -X POST -H "Content-Type: application/json" -d '
{
"application_no": "**<Application Number>**",
"day": "**<Day>**",
"month": "**<Month>**",
"year": "**<Year>**"
}' -H "Authorization: Bearer **<API Access Token>**" **<Data Endpoint URL>**

RETURNS
Returns HTTP status code 200 along with a JSON list of parameters in the response. The parameter list contains following fields:

```
Sample Response:
{
"status": "success",
   "message": "candidate's information",
   "data": {
       "application_no": "223…",
       "name": "xyz",
       "email": "xyz@gmail.com",
       "gender": "Female",
       "nationality": "Indian",
       "other_nationality": null,
       "category": "EWS",
       "pwd_applicable": "No",
       "pwd_category": null,
       "pwd_category_other": null,
       "pwd_war": null,
       "father_name": "xyz",
```

```json
        "father_qualification": "Graduate",
        "father_occupation": "Agriculture",
        "mother_name": "xyz",
        "mother_qualification": "Others",
        "mother_occupation": "Others (Including House Wife)",
        "guardian_name": null,
        "family_income": "UPTO 100000",
        "twin": "No",
        "twin_name": null,
        "domicile_state": "UTTAR PRADESH",
        "residence_place": "Rural",
        "medium_schooling": "Hindi",
        "country": "India",
        "add_state": "UTTAR PRADESH",
        "add_district": "BAL…",
        "country_pr": "India",
        "add_state_pr": "UTTAR PRADESH",
        "add_district_pr": "BAL…",
        "bpl": "No",
        "kashmiri_migrant": "No",
        "cw_quota": "No",
        "ncc_selection": "No",
        "sports_selection": "No",
        "sports_achievement": null,
        "ward_quota": "No",
        "ward_quota_relation_father": null,
        "ward_university_father": null,
        "ward_employee_id_father": null,
        "ward_department_father": null,
        "ward_employee_designation_father": null,
        "ward_employment_status_father": null,
        "ward_quota_relation_mother": null,
        "ward_university_mother": null,
        "ward_employee_id_mother": null,
        "ward_department_mother": null,
        "ward_employee_designation_mother": null,
        "ward_employment_status_mother": null,
        "x_result_status": "Passed",
        "x_passing_year": 2018,
        "x_course_name": "10th or Equivalent",
        "x_schooling_place": "Rural",
        "x_school_type": "Private Unaided",
```

```json
        "x_school_type_other": null,
        "x_country": "India",
        "x_state": "UTTAR PRADESH",
        "x_district": "BALLIA",
        "x_board": "BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION, UTTAR PRADESH",
        "x_board_other": null,
        "x_result_type": "Percentage",
        "x_grade_point": null,
        "x_cgpa_obtained": null,
        "x_cgpa": null,
        "x_maximum_marks": "60…",
        "x_marks_obtained": "38…",
        "x_percentage": "6…",
        "xii_result_status": "Passed",
        "xii_passing_year": 2020,
        "xii_course_name": "12th or Equivalent",
        "xii_schooling_place": "Rural",
        "xii_school_type": "Government Aided Private",
        "xii_school_type_other": null,
        "xii_country": "India",
        "xii_state": "UTTAR PRADESH",
        "xii_district": "BAL…",
        "xii_board": "BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION, UTTAR PRADESH",
        "xii_board_other": null,
        "xii_result_type": "Percentage",
        "xii_grade_point": null,
        "xii_cgpa_obtained": null,
        "xii_cgpa": null,
        "xii_maximum_marks": "5…",
        "xii_marks_obtained": "2…",
        "xii_percentage": "5…",
        "university_programme_selection": {
            "UNIVERSITY OF DELHI": "B.A.(Hons.) Political Science"
            },
    "test_paper_1": "101 : English",
    "test_paper_medium_1": "",
    "test_paper_2": "220 : Sanskrit",
    "test_paper_medium_2": "",
    "test_paper_3": "319 : Mathematics/Applied Mathematics",
    "test_paper_medium_3": "Punjabi",
    "test_paper_4": "327 : Teaching Aptitude",
    "test_paper_medium_4": "English",
```

```
"test_paper_5": "308 : Computer Science/Informatics Practices",
"test_paper_medium_5": "English",
"test_paper_6": "325 : Sanskrit",
"test_paper_medium_6": "",
"test_paper_7": "110 : Punjabi",
"test_paper_medium_7": "",
"test_paper_8": "Not Applicable",
"test_paper_medium_8": "",
"test_paper_9": "Not Applicable",
"test_paper_medium_9": "",
"test_paper_10": "Not Applicable",
"test_paper_medium_10": "",

    }
}
```

Documents API : For Fetching Documents uploaded by Candidates

Documents API allows your application to get the candidate's self uploaded document(s). The url of every uploaded document(s) is only valid for 30 minutes.

URL STRUCTURE

```
Data Endpoint:
https://apicuet.samarth.ac.in/index.php/v1/photos-api
```

HTTP METHOD   POST

HTTP REQUEST HEADER

2. **Authorization** -> *Bearer Token* -> <the access token generated via CUET Admin portal's API Access Token Generation>

PARAMETERS

5. **application_no** -> Application Number of the candidate
6. **day** -> Day of candidate's DOB
7. **month** -> Month of candidate's DOB
8. **year** -> Year of candidate's DOB

REQUEST QUERY FORMAT

Curl request:

curl -X POST -H "Content-Type: application/json" -d '

{

"application_no": "**<Application Number>**",

"day": "**<Day>**",

"month": "**<Month>**",

"year": "**<Year>**"

}' -H "Authorization: Bearer **<API Access Token>**" **<Data Endpoint URL>**

RETURNS

Returns HTTP status code 200 along with a JSON list of parameters in the response. The parameter list contains following fields:

```
Sample Response:
{
"status": "success",
   "message": "candidate's information",
   "data": {
       "application_no": "223…",
       "name": "xyz",
       "email": "xyz@gmail.com",
       "gender": "Female",
       "photo": "https://cuet-2023-p…",
       "signature": "https://cuet-2023-p…",
       "category_certificate": "https://cuet-2023-p…",
       "km_certificate": null,
       "bpl_certificate": null,
       "cw_certificate": null,
       "pwd_certificate": null
   }
}
```

ERRORS

If the request fails due to a missing, invalid, or mismatching parameter, or if the access token is missing or invalid, the flow will result in an error response.

If the request fails for reasons other than a missing or invalid redirect URI, corresponding HTTP status code will be returned along with the following parameters in the response:

1. **error** -> An error code.

2. **error_description** -> A user-friendly description of the error that occurred. The error messages are as follows:
   a. "fail" -> Empty parameters/ Invalid token
   b. "error" -> Invalid parameters / invalid request type

```
Sample Error Response:
{
   "error": {
   "code": 400,
   "message": "fail",
   "data": []
   }
}
```
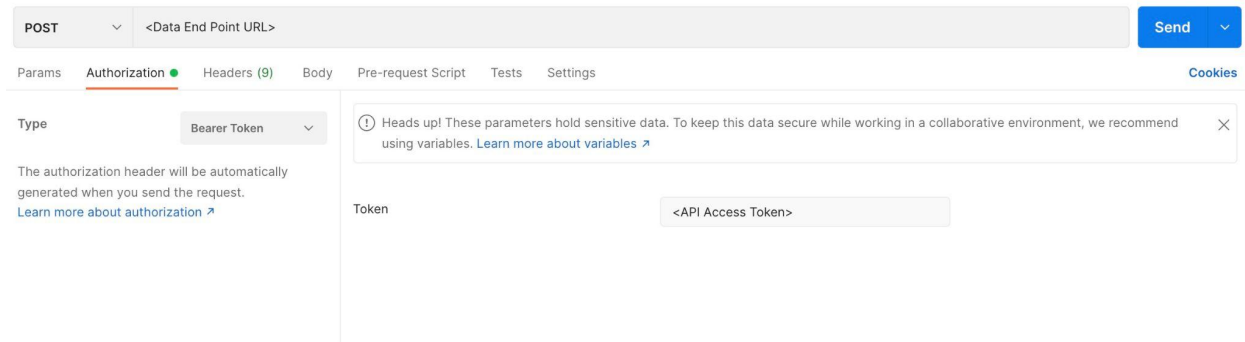
The following table lists the possible error codes:

Error	error_description & reason	HTTP Response Code
Empty parameters/ Invalid access token	Fail	400
Invalid parameters	Fail	401
Invalid request type	Error	404
Unauthorized Access	Error	403
Internal Server Error	Fail	500

TESTING APIs USING POSTMAN
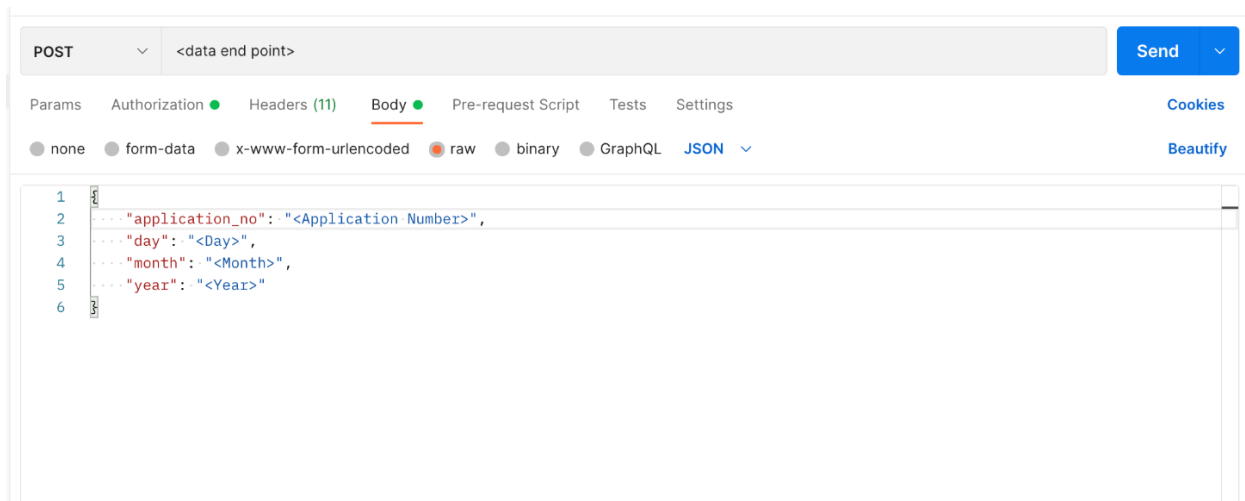
Users can verify their Access Tokens by using the Postman App.

Use API Access Token in Authorization. Select type as **Bearer Token**

In the Body Section send request parameters in **JSON** raw format.