

Link to repo: [https://github.com/Ashesi-Org/34892024\\_Lab4\\_Rest\\_API/tree/master](https://github.com/Ashesi-Org/34892024_Lab4_Rest_API/tree/master)

Registering voter

```
{
  "name": "Simon Gbamara",
  "email": "rich@gmali1.com",
  "major": "CS",
  "year_group": "2023",
  "id": "34565"
}
```

Results for registering voter

```
{
  "email": "rich@gmali1.com",
  "id": "34565",
  "major": "CS",
  "name": "Simon Gbamara",
  "year_group": "2023"
}
```

Results for deleting voter

```
{
  "message": "The voter with ID 34565 has been deleted"
}
```

Updating voter

```
{
  "email": "rich@gmali1.com",
  "id": "3458965",
  "major": "CS",
  "name": "Richard",
  "year_group": "2023"
}
```

Results for updating voter

```
{
  "email": "rich@gmali1.com",
  "id": "3458965",
  "major": "CS",
  "name": "Richard",
  "year_group": "2023"
}
```

Create election request.

```
[
  {
    "candidates": [
```

```

    {
      "id": "1235",
      "name": "Providence Darko",
      "year_group": "2024",
      "total_votes": 10
    },
    {
      "id": "8765",
      "name": "Nelson Henry",
      "year_group": "2024",
      "total_votes": 0
    },
    {
      "id": "5678",
      "name": "Noah Adasi",
      "year_group": "2024",
      "total_votes": 5
    },
    {
      "id": "09832",
      "name": "Jonathon Kuug",
      "year_group": "2023",
      "total_votes": 8
    }
  ],
  "election_id": "3",
  "election_name": "Vote for MCF President"
}
]

```

Create election results.

```

[
  {
    "candidates": [
      {
        "id": "1235",
        "name": "Providence Darko",
        "total_votes": 10,
        "year_group": "2024"
      },
      {
        "id": "8765",
        "name": "Nelson Henry",
        "total_votes": 0,
        "year_group": "2024"
      }
    ]
  }
]

```

```

        {
            "id": "5678",
            "name": "Noah Adasi",
            "total_votes": 5,
            "year_group": "2024"
        },
        {
            "id": "09832",
            "name": "Jonathon Kuug",
            "total_votes": 8,
            "year_group": "2023"
        }
    ],
    "election_id": "3",
    "election_name": "Vote for MCF President"
}
]

```

Retrieve election results

```

{
    "candidates": [
        {
            "id": "1235",
            "name": "Providence Darko",
            "total_votes": 10,
            "year_group": "2024"
        },
        {
            "id": "8765",
            "name": "Nelson Henry",
            "total_votes": 0,
            "year_group": "2024"
        },
        {
            "id": "5678",
            "name": "Noah Adasi",
            "total_votes": 5,
            "year_group": "2024"
        },
        {
            "id": "09832",
            "name": "Jonathon Kuug",
            "total_votes": 8,
            "year_group": "2023"
        }
    ],
    "election_id": "3",

```

```
    "election_name": "Vote for MCF President"
}
```

Deleting election

```
{
  "message": "Election with ID 3 has been deleted"
}
```

## Register user

The screenshot displays the REST Client application interface. On the left, the 'Team Workspace' sidebar shows a project named 'REST\_API\_LAB' with three endpoints: 'GET Register User', 'GET Delete User', and 'GET Update User'. The main panel shows a 'POST' request to 'http://127.0.0.1:5000/register\_voter'. The request body is a JSON object: 

```
{
  "name": "Simon Gbamara",
  "email": "rich@gmailil.com",
  "major": "CS",
  "year_group": "2023",
  "id": "34565"
}
```

. The response status is '200 OK' with a body of: 

```
{
  "email": "rich@gmailil.com",
  "id": "34565",
  "major": "CS",
  "name": "Simon Gbamara",
  "year_group": "2023"
}
```

. At the bottom left, a progress bar indicates '33%' completion.

Deleting a voter

REST\_API\_LAB / Delete User

Save

REST\_API\_LAB

GET Register User

GET Delete User

GET Update User

DELETE

http://127.0.0.1:5000/de-register\_voter/34565

Send

Params

Authorization

Headers (7)

Body

Pre-request Script

Tests

Settings

Cookies

Query Params

Key	Value	Description	Bulk Edit
Key	Value	Description	

Body

Cookies

Headers (5)

Test Results

200 OK 12 ms 225 B

Save as Example

Pretty

Raw

Preview

Visualize

JSON

1

2

3

Raw

"message": "The voter with ID 34565 has been deleted"

g with your team

33%

least 1 person.

Invite

## Update voter

REST\_API\_LAB / Update User

Save

REST\_API\_LAB

GET Register User

GET Delete User

GET Update User

PATCH

http://127.0.0.1:5000/update\_voter/234567

Send

Params

Authorization

Headers (9)

Body

Pre-request Script

Tests

Settings

Cookies

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

JSON

Beautify

1

2

3

4

5

6

7

Raw

```
{  "email": "test@gmailil.com",  "id": "234567",  "major": "CS",  "name": "Gbamara Simon",  "year_group": "2024"}
```

Body

Cookies

Headers (5)

Test Results

200 OK 66 ms 285 B

Save as Example

Pretty

Raw

Preview

Visualize

JSON

1

2

3

4

5

6

7

Raw

```
{  "email": "test@gmailil.com",  "id": "234567",  "major": "CS",  "name": "Gbamara Simon",  "year_group": "2024"}
```

## Retrieved voter details

REST\_API\_LAB / Update User

GET http://127.0.0.1:5000/retrieve\_voter/3445

Params Authorization Headers (9) Body Pre-request Script Tests Settings Cookies Beautify

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```
1 {
2   "email": "test@gmailil.com",
3   "id": "234567",
4   "major": "CS",
5   "name": "Gbamara Simon",
6   "year_group": "2024"
7 }
```

Body Cookies Headers (5) Test Results 200 OK 14 ms 277 B Save as Example

Pretty Raw Preview Visualize JSON

```
1 {
2   "email": "rich@gmailil.com",
3   "id": "3445",
4   "major": "CS",
5   "name": "Richard",
6   "year_group": "2023"
7 }
```

ng with your team 33% Invite

Create an election.

http://127.0.0.1:5000/create\_election

POST http://127.0.0.1:5000/create\_election

Params Authorization Headers (9) Body Pre-request Script Tests Settings Cookies Beautify

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```
1 [
2   {
3     "candidates": [
4       {
5         "id": "1235",
6         "name": "Providence Darko",
7         "year_group": "2024",
8         "total_votes": 10
9       }
10    ]
11  }
12 ]
```

Body Cookies Headers (5) Test Results 200 OK 33 ms 783 B Save as Example

Pretty Raw Preview Visualize JSON

```
1 [
2   {
3     "candidates": [
4       {
5         "id": "1235",
6         "name": "Providence Darko",
7         "total_votes": 10,
8         "year_group": "2024"
9       }
10    ]
11  }
12 ]
```

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Retrieved election.

REST\_API\_LAB / Retrieve Election

GET http://127.0.0.1:5000/retrieve\_election/3

Params Authorization Headers (7) Body Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL JSON Beautify

1

Body Cookies Headers (5) Test Results 200 OK 8 ms 719 B Save as Example

Pretty Raw Preview Visualize JSON

```
22     "id": "09832",
23     "name": "Jonathon Kuug",
24     "total_votes": 8,
25     "year_group": "2023"
26   },
27 ],
28   "election_id": "3",
29   "election_name": "Vote for MCF President"
30 }
```

g with your team 33% least 1 person. [Invite](#)

## Deleting election

REST\_API\_LAB / Delete Election

DELETE http://127.0.0.1:5000/delete\_election/3

Params Authorization Headers (7) Body Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL JSON Beautify

1

Body Cookies Headers (5) Test Results 203 NON AUTHORITY INFORMATION 21 ms 247 B Save as Example

Pretty Raw Preview Visualize JSON

```
1
2   "message": "Election with ID 3 has been deleted"
3
```

with your team 33% last 1 person. [Invite](#)

Link to github: [https://github.com/Ashesi-Org/34892024\\_Lab4\\_Rest\\_API](https://github.com/Ashesi-Org/34892024_Lab4_Rest_API)