# REST API for an Electronic Voting System Richard Nana Kweenu Quayson 29962024

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CS 341\_B: Lab 4 Build and run a REST API

Dennis Owusu

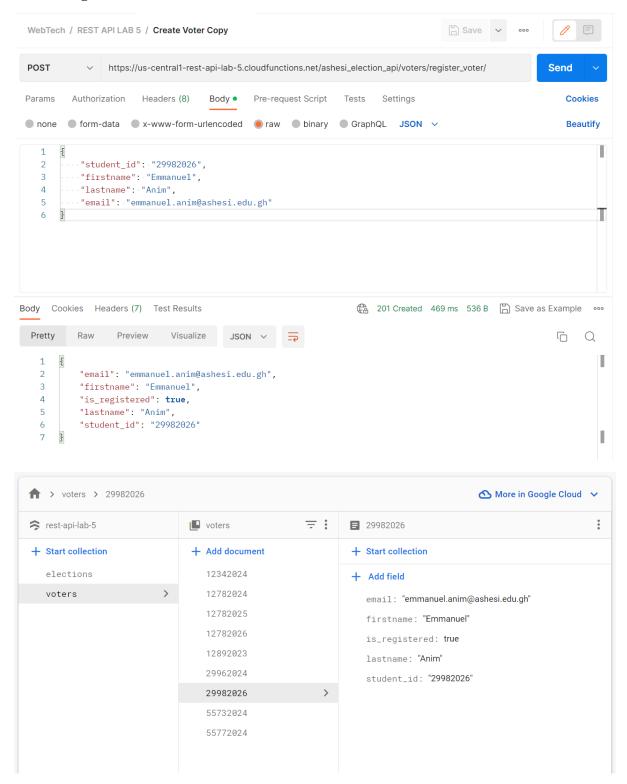
April 04 2023

Link to repository:

https://github.com/Ashesi-Org/Richard\_Quayson\_REST\_API\_LAB\_5

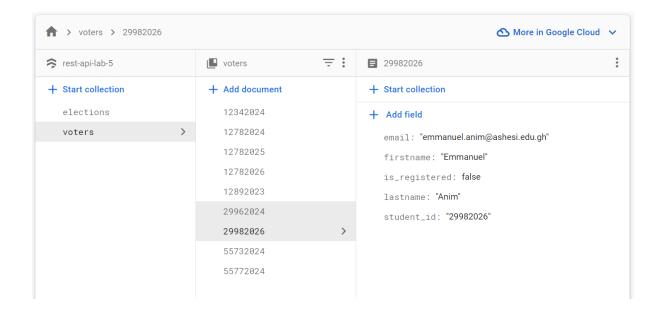
#### **Screenshots:**

# 1. Register a voter.

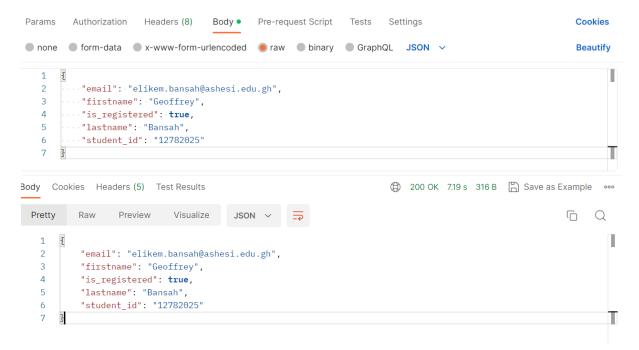


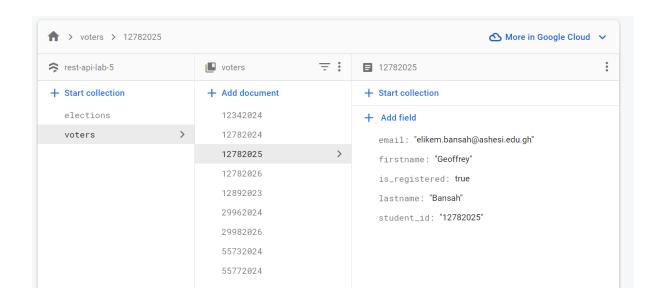
### 2. Deregister a voter.

39 40 ]

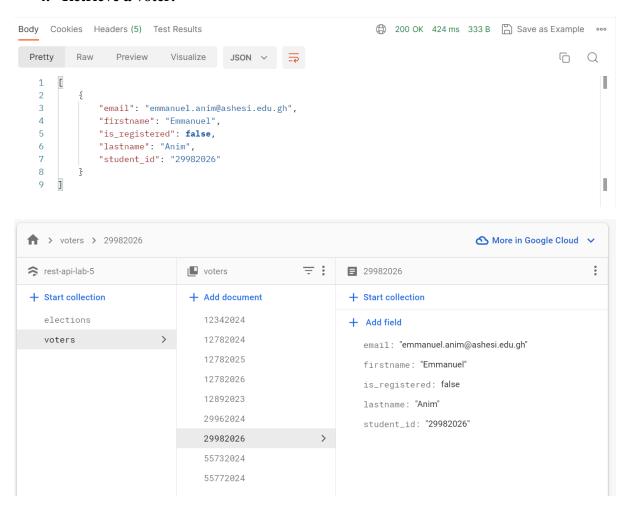


# 3. Update a voter.

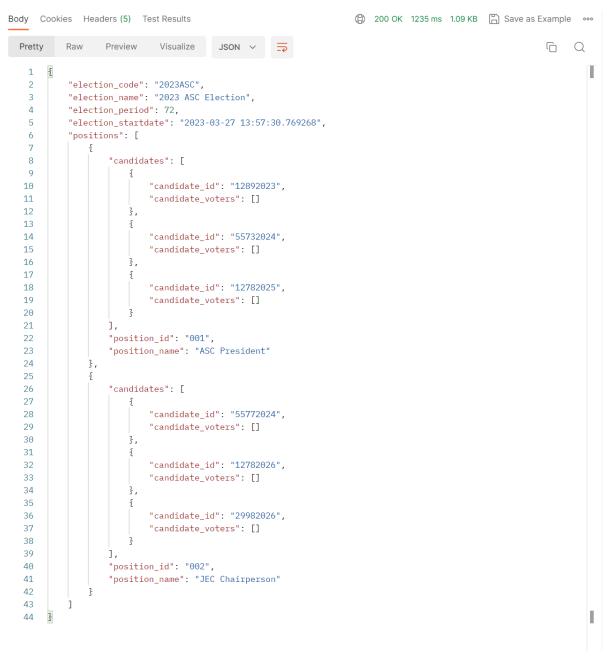


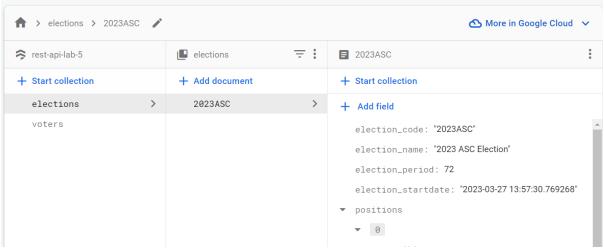


#### 4. Retrieve a voter.



#### 5. Create an election.

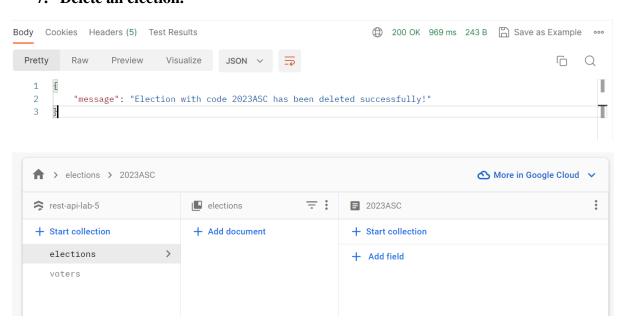




#### 6. Retrieve an election.

```
Body Cookies Headers (5) Test Results
                                                                      ② 200 OK 272 ms 1.09 KB 🖺 Save as Example 👓
  Pretty
           Raw
                  Preview
                              Visualize
                                          JSON V
                                                                                                           ( Q
   1
   2
            "election_code": "2023ASC",
   3
            "election_name": "2023 ASC Election",
            "election_period": 72,
   4
            "election_startdate": "2023-03-27 13:57:30.769268",
   5
            "positions": [
   6
   8
                    "candidates": [
   9
                       F
   10
                            "candidate_id": "12892023",
                            "candidate_voters": []
  11
   12
  13
                            "candidate_id": "55732024",
  14
  15
                            "candidate_voters": []
  16
                        3,
  17
                            "candidate_id": "12782025",
  18
   19
                            "candidate_voters": []
  20
  21
  22
                    "position_id": "001",
                    "position_name": "ASC President"
  23
  24
                },
  25
  26
                    "candidates": [
  27
                            "candidate_id": "55772024",
  28
  29
                            "candidate_voters": []
  30
  31
  32
                            "candidate_id": "12782026",
  33
                            "candidate_voters": []
   34
                        ₹.
  35
   36
                            "candidate_id": "29982026",
  37
                            "candidate_voters": []
   38
```

## 7. Delete an election.



#### 8. Vote in an election.

```
"student_id": "55772024",
    2
            "candidate_id": "12892023"
    3
    4
                                                                      200 OK 1805 ms 1.12 KB Save as Example ...
Body Cookies Headers (5) Test Results
  Pretty
                   Preview
                              Visualize
                                          JSON
                                                                                                           1
    2
            "election_code": "2023ASC",
           "election_name": "2023 ASC Election",
   3
           "election_period": 72,
   4
            "election_startdate": "2023-03-27 13:57:30.769268",
    5
            "positions": [
   6
   7
   8
                    "candidates": [
   9
                            "candidate_id": "12892023",
   10
   11
                            "candidate_voters": [
                                "55772024"
   12
   13
   14
                        7.
   15
   16
                            "candidate_id": "55732024",
   17
                            "candidate_voters": []
   18
                        },
   19
                        £
                            "candidate_id": "12782025",
   20
   21
                            "candidate_voters": []
   22
   23
                    "position_id": "001",
   24
   25
                    "position_name": "ASC President"
   26
                3,
   27
   28
                    "candidates": [
   29
                        £
   30
                            "candidate_id": "55772024",
   31
                            "candidate_voters": []
   32
                        },
   33
                        £
                            "candidate_id": "12782026",
   34
   35
                            "candidate_voters": []
   36
                        },
   37
   38
                            "candidate_id": "29982026",
   39
                            "candidate_voters": []
   40
   41
                    "position_id": "002",
   42
                    "position_name": "JEC Chairperson"
   43
   44
   45
       3
   46
```

