Retrieval of Published Backend Courses

GET   ⌄   http://localhost:3000/api/courses/backend

Params   Authorization   Headers (6)   Body   Pre-request Script   Tests

Body   Cookies   Headers (7)   Test Results

Pretty   Raw   Preview   Visualize   JSON ⌄

```
1   [
2       {
3           "_id": "65d4abce6c5d3213e54a6be2",
4           "code": "BSIT303",
5           "description": "Information Security",
6           "units": 3,
7           "tags": [
8               "backend courses"
9           ],
10          "__v": 0
11      },
12      {
13          "_id": "65d4abce6c5d3213e54a6be8",
14          "code": "BSIT403",
15          "description": "Internship/Thesis",
16          "units": 6,
17          "tags": [
```

GET   ⌄   http://localhost:3000/api/courses/backend

Params   Authorization   Headers (6)   Body   Pre-request Script   Tests   Settings

Body   Cookies   Headers (7)   Test Results

Pretty   Raw   Preview   Visualize   JSON ⌄

```
22
23          "_id": "65d4abce6c5d3213e54a6be6",
24          "code": "BSIT402",
25          "description": "Mobile Application Development",
26          "units": 3,
27          "tags": [
28              "backend courses"
29          ],
30          "__v": 0
31      },
32      {
33          "_id": "65d4abce6c5d3213e54a6bde",
34          "code": "BSIT301",
35          "description": "Networking",
36          "units": 3,
37          "tags": [
38              "backend courses"
39          ],
40          "__v": 0
41      },
42      {
43          "_id": "65d4abce6c5d3213e54a6be4",
44          "code": "BSIT401",
45          "description": "Project Management",
46          "units": 3,
```

Retrieval of BSIS and BSIT Courses

GET   http://localhost:3000/api/courses/bsis-bsit

Params   Authorization   Headers (6)   Body   Pre-request Script   Tests   Settings

Body   Cookies   Headers (7)   Test Results

Pretty   Raw   Preview   Visualize   JSON

```
  2      "BSIS": [
  3          {
  4              "_id": "65d4abcd6c5d3213e54a6bba",
  5              "code": "BSIS101",
  6              "description": "Introduction to Information Systems",
  7              "units": 3,
  8              "tags": [
  9                  "BSIS101",
 10                  "BSIS",
 11                  "Information Systems",
 12                  "Introduction"
 13              ],
 14              "__v": 0
 15          },
 16          {
 17              "_id": "65d4abcd6c5d3213e54a6bbc",
 18              "code": "BSIS102",
 19              "description": "Fundamentals of Programming",
 20              "units": 3,
 21              "tags": [
 22                  "BSIS102",
 23                  "BSIS",
 24                  "Programming",
 25                  "Fundamentals"
```

GET   http://localhost:3000/api/courses/bsis-bsit

Params   Authorization   Headers (6)   Body   Pre-request Script   Tests   Settings

Body   Cookies   Headers (7)   Test Results

Pretty   Raw   Preview   Visualize   JSON

```
163      "BSIT": [
164          {
165              "_id": "65d4abce6c5d3213e54a6bd2",
166              "code": "BSIT101",
167              "description": "Introduction to Information Technology",
168              "units": 3,
169              "tags": [
170                  "BSIT101",
171                  "BSIT",
172                  "Information Technology",
173                  "Introduction"
174              ],
175              "__v": 0
176          },
177          {
178              "_id": "65d4abce6c5d3213e54a6bd4",
179              "code": "BSIT102",
180              "description": "Programming Fundamentals",
181              "units": 3,
182              "tags": [
183                  "BSIT102",
184                  "BSIT",
185                  "Programming",
186                  "Fundamentals"
```

Retrieval of Courses by Specialization

GET `http://localhost:3000/api/courses?specialization=Management`

Params ●   Authorization   Headers (6)   Body   Pre-request Script   Tests   Settings

Body   Cookies   Headers (7)   Test Results

Pretty   Raw   Preview   Visualize   JSON

```json
1  [
2      {
3          "_id": "65d4abcd6c5d3213e54a6bbe",
4          "code": "BSIS103",
5          "description": "Database Management Systems",
6          "units": 3,
7          "tags": [
8              "BSIS103",
9              "BSIS",
10             "Database",
11             "Management",
12             "Systems"
13         ],
14         "__v": 0
15     },
16     {
17         "_id": "65d4abce6c5d3213e54a6bce",
18         "code": "BSIS402",
19         "description": "Project Management",
20         "units": 3,
21         "tags": [
22             "BSIS402",
23             "BSIS",
24             "Project",
```

GET `http://localhost:3000/api/courses?specialization=Management`

Params ●   Authorization   Headers (6)   Body   Pre-request Script   Tests   Settings

Body   Cookies   Headers (7)   Test Results

Pretty   Raw   Preview   Visualize   JSON

```json
19         "description": "Project Management",
20         "units": 3,
21         "tags": [
22             "BSIS402",
23             "BSIS",
24             "Project",
25             "Management"
26         ],
27         "__v": 0
28     },
29     {
30         "_id": "65d4abce6c5d3213e54a6bd8",
31         "code": "BSIT201",
32         "description": "Database Management",
33         "units": 3,
34         "tags": [
35             "BSIT201",
36             "BSIT",
37             "Database",
38             "Management"
39         ],
40         "__v": 0
41     }
42  ]
```

Retrieval of Course by Name

GET `http://localhost:3000/api/courses/byName?name=Networking`

Send

Params • | Authorization | Headers (6) | Body | Pre-request Script | Tests | Settings | Coo

Query Params

Key	Value	Bulk Ed

Body | Cookies | Headers (7) | Test Results   Status: 200 OK Time: 55 ms Size: 359 B Save Respon

Pretty | Raw | Preview | Visualize | JSON ⌄

```
1  {
2      "_id": "65d4abce6c5d3213e54a6bde",
3      "code": "BSIT301",
4      "description": "Networking",
5      "units": 3,
6      "tags": [
7          "backend courses"
8      ],
9      "__v": 0
10 }
```

Testing Error Handling

GET ∨ | http://localhost:3000/api/courses/byName?name=Math

Params •   Authorization   Headers **(6)**   Body   Pre-request Script   Tests   Settings

☑	name	Math
	Key	Value

Body   Cookies   Headers **(7)**   Test Results   ⊕   St

Pretty   Raw   Preview   Visualize   HTML ∨

```
1    Course not found with the provided name
```

Testing Data Validation

GET ∨ | http://localhost:3000/api/courses/

Params | Authorization | Headers (6) | Body | Pre-request Script | Tests | Settings

	Key	Value
	Key	Value

Body | Cookies | Headers (7) | Test Results

Pretty | Raw | Preview | Visualize | HTML ∨

```
1    Specialization query parameter is required
```

CHALLENGE

I had some problems with my code. First, there was a mistake in my JSON file. Then, when I tried to add data to my database, I made another mistake. Instead of giving it the right kind of information, I accidentally gave it something else. Lastly, when I changed my code to show only the names of courses, it didn't work as expected. This might have been because I didn't use a certain part of the code correctly or didn't handle the data from the database properly.

SOLUTION

When I find a mistake in my JSON file, I fix it right there in the file to make sure it matches the plan I made for my data. If I mess up and put the wrong info into the database, I check the data I'm adding to make sure it fits with what I expect for each part like code, description, and tags. When I need to show only course names, I look at the code that handles this and make sure it only sends back names to the client. Sometimes, though, the endpoints for showing courses send back too much info, so I change them to only send back the names like they should.