



TEST PROCEDURE

PERFORMANCE TEST

RETRIEVAL OF PUBLISHED BACKEND COURSES NAME SORTED ALPHABETICALLY

GETGET

http://localhost:3010/api/courses/sortedByNamehttp://localhost:3010/api/courses/sortedByName

ParamsAuthorizationHeaders (6)BodyPre-request ScriptTestsSettingsParamsAuthorizationHeaders (6)BodyPre-request ScriptTestsSettings

BodyCookiesHeaders (7)Test ResultsBodyCookiesHeaders (7)Test Results

PrettyRawPreviewVisualizeJSONPrettyRawPreviewVisualizeJSON

```
1  [
2    {
3      "_id": "65d8a006188eacfd2a2e0198",
4      "code": "BSIT103",
5      "description": "Computer Organization and Architecture",
6      "units": 3,
7      "tags": [
8        "BSIT103",
9        "BSIT",
10       "Computer",
11       "Organization",
12       "Architecture"
13     ]
14   },
15   {
16     "_id": "65d8a006188eacfd2a2e01a7",
17     "code": "BSIS203",
18     "description": "Data Structures and Algorithms",
19     "units": 3,
20     "tags": [
21       "BSIS203",
22       "BSIS",
23       "Data",
24       "Structures",
```

```
29   "_id": "65d8a006188eacfd2a2e0199",
30   "code": "BSIT201",
31   "description": "Database Management",
32   "units": 3,
33   "tags": [
34     "BSIT201",
35     "BSIT",
36     "Database",
37     "Management"
38   ]
39 },
40 {
41   "_id": "65d8a006188eacfd2a2e01a4",
42   "code": "BSIS103",
43   "description": "Database Management Systems",
44   "units": 3,
45   "tags": [
46     "BSIS103",
47     "BSIS",
48     "Database",
49     "Management",
50     "Systems"
51   ]
52 }
```

RETRIEVAL OF PUBLISHED BACKEND COURSES NAME SORTED ALPHABETICALLY

GEThttp://localhost:3010/api/courses/sortedByName

ParamsAuthorizationHeaders (6)BodyPre-request ScriptTestsSettings

BodyCookiesHeaders (7)Test Results

PrettyRawPreviewVisualizeJSON

```
76    },
77    {
78      "_id": "65d8a006188eacfd2a2e019e",
79      "code": "BSIT303",
80      "description": "Information Security",
81      "units": 3,
82      "tags": []
83    },
84    {
85      "_id": "65d8a006188eacfd2a2e01aa",
86      "code": "BSIS303",
87      "description": "Information Security",
88      "units": 3,
89      "tags": [
90        "BSIS303",
91        "BSIS",
92        "Information",
93        "Security"
94      ]
95    },
96    {
97      "_id": "65d8a006188eacfd2a2e01a1",
98      "code": "BSIT403",
99      "description": "Internship/Thesis",
100     "units": 6
```

GEThttp://localhost:3010/api/courses/sortedByName

ParamsAuthorizationHeaders (6)BodyPre-request ScriptTestsSettings

BodyCookiesHeaders (7)Test Results

PrettyRawPreviewVisualizeJSON

```
53    {
54      "_id": "65d8a006188eacfd2a2e01ab",
55      "code": "BSIS401",
56      "description": "Enterprise Systems",
57      "units": 3,
58      "tags": [
59        "BSIS401",
60        "BSIS",
61        "Enterprise",
62        "Systems"
63      ]
64    },
65    {
66      "_id": "65d8a006188eacfd2a2e01a3",
67      "code": "BSIS102",
68      "description": "Fundamentals of Programming",
69      "units": 3,
70      "tags": [
71        "BSIS102",
72        "BSIS",
73        "Programming",
74        "Fundamentals"
75      ]
76    }
```

SELECTION OF NAME AND SPECIALIZATION OF EACH COURSE

GET

▼

http://localhost:3010/api/courses/nameAndSpecialization

ParamsAuthorizationHeaders (6)BodyPre-request ScriptTestsSettings

BodyCookiesHeaders (7)Test Results

PrettyRawPreviewVisualizeJSON▼

☰

```
1  [
2    {
3      "description": "Introduction to Information Technology",
4      "tags": [
5        "BSIT101",
6        "BSIT",
7        "Information Technology",
8        "Introduction"
9      ]
10   },
11   {
12     "description": "Programming Fundamentals",
13     "tags": [
14       "BSIT102",
15       "BSIT",
16       "Programming",
17       "Fundamentals"
18     ]
19   },
20   {
21     "description": "Computer Organization and Architecture",
22     "tags": [
23       "BSIT103",
24       "BSIT",
```

GET

▼

http://localhost:3010/api/courses/nameAndSpecialization

ParamsAuthorizationHeaders (6)BodyPre-request ScriptTestsSettings

BodyCookiesHeaders (7)Test Results

PrettyRawPreviewVisualizeJSON▼

☰

```
28   },
29   },
30   {
31     "description": "Database Management",
32     "tags": [
33       "BSIT201",
34       "BSIT",
35       "Database",
36       "Management"
37     ]
38   },
39   {
40     "description": "Web Technologies",
41     "tags": [
42       "BSIT202",
43       "BSIT",
44       "Web",
45       "Technologies"
46     ]
47   },
48   {
49     "description": "Operating Systems",
50     "tags": [
51       "BSIT203",
52       "BSIT"
```

SELECTION OF NAME AND SPECIALIZATION OF EACH COURSE

GET

▼

http://localhost:3010/api/courses/nameAndSpecialization

ParamsAuthorizationHeaders (6)BodyPre-request ScriptTestsSettings

BodyCookiesHeaders (7)Test Results

Pretty

Raw

Preview

Visualize

JSON ▼

≡

56

}

57

{

58

"description": "Networking",

59

"tags": []

60

},

61

{

62

"description": "Software Engineering",

63

"tags": []

64

},

65

{

66

"description": "Information Security",

67

"tags": []

68

},

69

{

70

"description": "Project Management",

71

"tags": []

72

},

73

{

74

"description": "Mobile Application Development",

75

"tags": []

76

},

77

{

78

"description": "Internship/Thesis",

79

"tags": []

GET

▼

http://localhost:3010/api/courses/nameAndSpecialization

ParamsAuthorizationHeaders (6)BodyPre-request ScriptTestsSettings

BodyCookiesHeaders (7)Test Results

Pretty

Raw

Preview

Visualize

JSON ▼

≡

77

{

78

"description": "Internship/Thesis",

79

"tags": []

80

},

81

{

82

"description": "Introduction to Information Systems",

83

"tags": [

84

"BSIS101",

85

"BSIS",

86

"Information Systems",

87

"Introduction"

88

]

89

},

90

{

91

"description": "Fundamentals of Programming",

92

"tags": [

93

"BSIS102",

94

"BSIS",

95

"Programming",

96

"Fundamentals"

97

]

98

},

99

{

100

"description": "Database Management Systems"

RETRIEVAL OF BSIS AND BSIT COURSES

GET

⌵

http://localhost:3010/api/courses/publishedCourses

ParamsAuthorizationHeaders (6)BodyPre-request ScriptTestsSettings

BodyCookiesHeaders (7)Test Results

Pretty

Raw

Preview

Visualize

JSON ⌵

↺

1

[

2

{

3

"description": "Introduction to Information Technology",

4

"tags": [

5

"BSIT101",

6

"BSIT",

7

"Information Technology",

8

"Introduction"

9

]

10

},

11

{

12

"description": "Programming Fundamentals",

13

"tags": [

14

"BSIT102",

15

"BSIT",

16

"Programming",

17

"Fundamentals"

18

]

19

},

20

{

21

"description": "Computer Organization and Architecture",

22

"tags": [

23

"BSIT103",

24

"BSIT",

GET

⌵

http://localhost:3010/api/courses/publishedCourses

ParamsAuthorizationHeaders (6)BodyPre-request ScriptTestsSettings

BodyCookiesHeaders (7)Test Results

Pretty

Raw

Preview

Visualize

JSON ⌵

↺

25

]

26

},

27

{

28

"description": "Database Management",

29

"tags": [

30

"BSIT201",

31

"BSIT",

32

"Database",

33

"Management"

34

]

35

},

36

{

37

"description": "Web Technologies",

38

"tags": [

39

"BSIT202",

40

"BSIT",

41

"Web",

42

"Technologies"

43

]

44

},

45

{

46

"description": "Operating Systems",

47

"tags": [

48

"BSIT203",

49

"BSIT",

50

]

51

},

52

]

RETRIEVAL OF BSIS AND BSIT COURSES

GET

http://localhost:3010/api/courses/publishedCourses

ParamsAuthorizationHeaders (6)BodyPre-request ScriptTestsSettings

BodyCookiesHeaders (7)Test Results

PrettyRawPreviewVisualizeJSON

```
56    },
57    {
58      "description": "Introduction to Information Systems",
59      "tags": [
60        "BSIS101",
61        "BSIS",
62        "Information Systems",
63        "Introduction"
64      ]
65    },
66    {
67      "description": "Fundamentals of Programming",
68      "tags": [
69        "BSIS102",
70        "BSIS",
71        "Programming",
72        "Fundamentals"
73      ]
74    },
75    {
76      "description": "Database Management Systems",
77      "tags": [
78        "BSIS103",
79        "BSIS",
```

GET

http://localhost:3010/api/courses/publishedCourses

ParamsAuthorizationHeaders (6)BodyPre-request ScriptTestsSettings

BodyCookiesHeaders (7)Test Results

PrettyRawPreviewVisualizeJSON

```
84    },
85    {
86      "description": "Systems Analysis and Design",
87      "tags": [
88        "BSIS201",
89        "BSIS",
90        "Systems",
91        "Analysis",
92        "Design"
93      ]
94    },
95    {
96      "description": "Object-Oriented Programming",
97      "tags": [
98        "BSIS202",
99        "BSIS",
100       "Object-Oriented",
101       "Programming"
102     ]
103   },
104   {
105     "description": "Data Structures and Algorithms",
106     "tags": [
107       "BSIS203"
```

CHALLENGES

I had some issues with my code from the beginning. Firstly, I made a mistake with my JavaScript file, and despite trying to debug it, the error persisted. I encountered difficulties while testing with Postman, as it did not display the expected results. I attempted to debug my code again, but I still couldn't resolve the issue, and it generated many errors. Additionally, I struggled with connecting the code with the database and importing the JSON file. Furthermore, I faced challenges in performing data validation at each step to ensure the accuracy and integrity of the retrieved information.



SOLUTIONS

I asked my classmate to help me debug an error in my JavaScript file. I also searched the internet for possible solutions to fix the error in my code. Fortunately, I was able to fix the error. By discovering that the issue was with the commands I was using in the terminal that's why I was unable to connect with the database and import the JSON file, I tried to ran the correct command, and the database was successfully connected, and the JSON file was imported. After this, I tested it with Postman, and it displayed the desired results.



THANKYOU
THE END

