

Arquitectura de Software (CE 5508)

Laboratorio #1

REST-API

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II Semestre 2021

GitHub Repo

<https://github.com/JosephTico/soa-lab1.git>

Usos del API

GET /spaces

SOA-Lab1 / List of Spaces

GET localhost:3001/spaces

Params Auth Headers (8) Body Pre-req. Tests Settings

raw JSON

```
1 {
2   ... "state": "free"
3 }
```

Body 200 OK 7 ms 413 B Save Response

Pretty Raw Preview Visualize JSON

```
1 [
2   {
3     "id": 0,
4     "state": "free"
5   },
6   {
7     "id": 1,
8     "state": "free"
9   },
10  {
11    "id": 2,
12    "state": "free"
13  },
14  {
15    "id": 3,
16    "state": "free"
17  },
18  {
19    "id": 4,
20    "state": "free"
21  },
22  {
23    "id": 5,
```

GET /spaces/{id}

SOA-Lab1 / Ask for Space State

Save

...

GET

localhost:3001/spaces/2

Send

Params

Auth

Headers (6)

Body

Pre-req.

Tests

Settings

Cookies

Query Params

	KEY	VALUE	DESCRIPTION	...	Bulk Edit
	Key	Value	Description		

Body

200 OK7 ms290 B

Save Response

Pretty

Raw

Preview

Visualize

JSON

1

{

2

"id": 2,

3

"state": "free"

4

}

POST /spaces

SOA-Lab1 / Create Space

Save

...

POST

localhost:3001/spaces

Send

Params

Auth

Headers (8)

Body

Pre-req.

Tests

Settings

Cookies

raw

JSON

Beautify

1

2

3

...

... "reserved": true

Body

201 Created

6 ms

311 B

Save Response

Pretty

Raw

Preview

Visualize

JSON

1

2

3

4

5

...

...

... "reserved": true,

... "id": 7,

... "state": "free"

PUT /spaces/{id}

SOA-Lab1 / Modify Space Data

Save

...

PUT

localhost:3001/spaces/7

Send

Params

Auth

Headers (8)

Body

Pre-req.

Tests

Settings

Cookies

raw

JSON

Beautify

1

2

3

...

... "reserved": false

Body

200 OK

14 ms

307 B

Save Response

Pretty

Raw

Preview

Visualize

JSON

1

2

3

4

5

...

...

... "reserved": false,

... "id": 7,

... "state": "free"

DELETE /spaces/{id}

SOA-Lab1 / Delete Space

Save

...

DELETE

localhost:3001/spaces/6

Send

Params

Auth

Headers (8)

Body

Pre-req.

Tests

Settings

Cookies

Query Params

	KEY	VALUE	DESCRIPTION	...	Bulk Edit
	Key	Value	Description		

Body

200 OK 5 ms 261 B

Save Response

Pretty

Raw

Preview

Visualize

Text

1

OK

GET /reservations

SOA-Lab1 / List of Reservations

Save

...

GET

localhost:3001/reservations/

Send

Params

Auth

Headers (8)

Body

Pre-req.

Tests

Settings

Cookies

raw

JSON

Beautify

1 {

2 . . .

3 }

Body

200 OK 6 ms 452 B

Save Response

Pretty

Raw

Preview

Visualize

JSON

1 [

2 {

3 "plate": "ARM-374",

4 "id": 0,

5 "time": "2021-08-11T04:14:43.459Z"

6 },

7 {

8 "plate": "BAR-023",

9 "id": 1,

10 "time": "2021-08-11T04:15:08.336Z"

11 },

12 {

13 "plate": "BRP-102",

14 "id": 2,

15 "time": "2021-08-11T04:15:34.251Z"

16 }

17]

POST /reservations

SOA-Lab1 / Book an Space

Save

Send

POST

localhost:3001/reservations/

Params

Auth

Headers (8)

Body

Pre-req.

Tests

Settings

Cookies

raw

JSON

Beautify

```
1 {
2   ... "plate": "BRP-102"
3 }
```

Body

201 Created

6 ms

332 B

Save Response

Pretty

Raw

Preview

Visualize

JSON

```
1 {
2   "plate": "BRP-102",
3   "id": 2,
4   "time": "2021-08-11T04:15:34.251Z"
5 }
```


DELETE /reservations/{id}

SOA-Lab1 / Delete a Reservation

Save

...

DELETE

localhost:3001/reservations/2

Send

Params

Auth

Headers (8)

Body

Pre-req.

Tests

Settings

Cookies

Query Params

	KEY	VALUE	DESCRIPTION	...	Bulk Edit
	Key	Value	Description		

Body

200 OK7 ms261 B

Save Response

Pretty

Raw

Preview

Visualize

Text

1

OK

Cliente Web

Se realizó utilizando la biblioteca Vue, así como Axios para el manejo de request.

Danicast's Smart Parking System

Lista de parkeos:

Espacio #0: kaka - Estado: in-use
Espacio #1: hola - Estado: in-use
Espacio #2: mundo - Estado: in-use
Espacio #3: asas - Estado: free

Lista de reservaciones:

Reservación #0: { "plate": "232323", "id": 0, "space_id": 0, "time": "2021-08-11T05:05:21.828Z" }
Reservación #3: { "plate": "zxzx", "id": 3, "space_id": 2, "time": "2021-08-11T05:10:05.876Z" }
Reservación #4: { "plate": "asas", "id": 4, "space_id": 1, "time": "2021-08-11T05:10:16.893Z" }