

**CE 5508**

# Parking-TEC

LABORATORIO #1

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# Spaces

Servicio que permite realizar operaciones básicas: Crear, Leer, Editar y Eliminar, sobre los espacios del parqueo.



**GET**

/api/spaces/

**GET**

/api/spaces/{id}

**POST**

/api/spaces/

**PUT**

/api/spaces/{id}

**DELETE**

/api/spaces/{id}

# SPACES



## GET/spaces

Retorna un arreglo con los datos de todos los espacios existentes en el parqueo.

### Body

No posee un request body.

### URL

► Get all spaces

GET

http://localhost:8080/api/spaces

### Response

```
Body ▼ 200 OK 37
Pretty Raw Preview Visualize JSON
1  [
2    {
3      "id": 1,
4      "state": "in-use",
5      "detail": "handicapped-parking",
6      "licensePlate": "8496321",
7      "checkIn": "14:57",
8      "reserved": true
9    },
10   {
11     "id": 2,
12     "state": "in-use",
13     "detail": "indoor-parking",
14     "licensePlate": "2696329",
15     "checkIn": "14:57",
16     "reserved": true
17   },
18   {
19     "id": 3,
20     "state": "in-use",
21     "detail": "indoor-parking",
22     "licensePlate": "8652855",
```



## GET/spaces/{id}

Consulta un espacio específico indicado por el id.

### Body

No posee un request body.

### URL

► Get space by ID

GET

http://localhost:8080/api/spaces/1

### Response

Body ▾

Pretty

Raw

Preview

Visualize

JSON ▾



```
1 {  
2   "id": 1,  
3   "state": "in-use",  
4   "detail": "handicapped-parking",  
5   "licensePlate": "8496321",  
6   "checkIn": "14:57",  
7   "reserved": true  
8 }
```



Caso de éxito



## GET/spaces/{id}

Consulta un espacio específico indicado por el id.

### Body

No posee un request body.

### URL

► Get space by ID

GET

http://localhost:8080/api/spaces/1

### Response

```
Body ▾ 404 Not Found 51 ms 331 B
Pretty Raw Preview Visualize JSON ↕
1 {
2   "status": "failed",
3   "error": "Space with id: 10 not found"
4 }
```

✖ Caso de fallo



## POST/spaces

Registra un nuevo espacio. Se le asigna un valor autogenerado como id. Todo espacio se crea con estado free.

### Body

```
{  
  "detail": "outdoor-parking"  
}
```

### URL

► Create space

POST

http://localhost:8080/api/spaces

### Response

Body ▾

Pretty

Raw

Preview

Visualize

JSON ▾



```
1 {  
2   "id": 6,  
3   "state": "free",  
4   "detail": "outdoor-parking",  
5   "licensePlate": "",  
6   "checkIn": "",  
7   "reserved": false  
8 }
```



Caso de éxito



## PUT/spaces/{id}

Modifica los datos del espacio. Se especifica el id del espacio para modificar.

### Body

```
{  
  "detail": "first-floor-parking"  
}
```

### URL

Update Request

PUT

http://localhost:8080/api/spaces/5

### Response

Body

Pretty

Raw

Preview

Visualize

JSON

```
1  
2  
3  
4  
5  
6  
7  
8
```

```
{  
  "id": 5,  
  "state": "free",  
  "detail": "first-floor-parking",  
  "licensePlate": "",  
  "checkIn": "",  
  "reserved": false  
}
```



Caso de éxito



## PUT/spaces/{id}

Modifica los datos del espacio. Se especifica el id del espacio para modificar.

### Body

```
{  
  "detail": "first-floor-parking"  
}
```

### URL

Update Request

PUT

http://localhost:8080/api/spaces/5

### Response

Body

404 Not Found 258 ms 330 B

Pretty

Raw

Preview

Visualize

JSON

```
1 {  
2   "status": "failed",  
3   "error": "Space with id: 6 not found"  
4 }
```



Caso de fallo





## DELETE/spaces/id

Elimina el espacio indicado. Debe validar que no haya un vehículo en el espacio.

### Body

No posee un request body.

### URL

▶ Delete space

DELETE ▼

http://localhost:8080/api/spaces/5

### Response

Body ▼

Pretty

Raw

Preview

Visualize

JSON ▼



```
1  {
2      "id": 5,
3      "state": "free",
4      "detail": "first-floor-parking",
5      "licensePlate": "",
6      "checkIn": "",
7      "reserved": false
8  }
```



Caso de éxito



## DELETE/spaces/id

Elimina el espacio indicado. Debe validar que no haya un vehículo en el espacio.

### Body

No posee un request body.

### URL

▶ Delete space

DELETE

http://localhost:8080/api/spaces/5

### Response

```
Body 404 Not Found 104 ms 330 B
Pretty Raw Preview Visualize JSON
1 {
2   "status": "failed",
3   "error": "Space with id: 5 not found"
4 }
```

✖ Caso de fallo



## DELETE/spaces/id

Elimina el espacio indicado. Debe validar que no haya un vehículo en el espacio.

### Body

No posee un request body.

### URL

▶ Delete space

DELETE

http://localhost:8080/api/spaces/5

### Response

Body ▾

403 Forbidden 24 ms 350 B

Pretty

Raw

Preview

Visualize

JSON ▾



```
1  {
2    "status": "failed",
3    "error": "Space cannot be deleted because it is occupied"
4  }
```



Caso de fallo

# Reservations

Servicio que permite realizar operaciones básicas: Crear, Leer, Editar y Eliminar, sobre las reservaciones del parqueo.



**GET**

`/api/reservations`

**POST**

`/api/reservations`

**DELETE**

`/api/reservations/{id}`



## GET/reservations

Retorna un arreglo con todos los vehículos que están en el parqueo.

### Body

No posee un request body.

### URL

Get all reservations

GET

http://localhost:8080/api/reservations

### Response

```
Pretty  Raw  Preview  Visualize  JSON  ↺
1  []
2
3      {
4          "id": 1,
5          "state": "in-use",
6          "detail": "handicapped-parking",
7          "licensePlate": "8496321",
8          "checkIn": "14:57",
9          "reserved": true
10     },
11     {
12         "id": 2,
13         "state": "in-use",
14         "detail": "indoor-parking",
15         "licensePlate": "2696329",
16         "checkIn": "14:57",
17         "reserved": true
18     }
```



Caso de éxito



## POST/reservations

Registra un nuevo espacio. Se le asigna un valor autogenerado como id. Todo espacio se crea con estado free.

### Body

```
1  {  
2    "licensePlate": "BKS-402"  
3  }
```

### URL

► Create reservation

POST

http://localhost:8080/api/reservations

### Response

Body ▾

Pretty

Raw

Preview

Visualize

JSON ▾



```
1  {  
2    "id": 4,  
3    "state": "in-use",  
4    "detail": "indoor-parking",  
5    "licensePlate": "BKS-402",  
6    "checkIn": "20:21:28",  
7    "reserved": true  
8  }
```



Caso de éxito



## POST/reservations

Registra un nuevo espacio. Se le asigna un valor autogenerado como id. Todo espacio se crea con estado free.

### Body

```
1  {  
2    "licensePlate": "BKS-402"  
3  }
```

### URL

► Create reservation

POST

http://localhost:8080/api/reservations

### Response

Body ▾

202 Accepted 36 ms 366 B Save Response

Pretty

Raw

Preview

Visualize

JSON ▾

```
1  {  
2    "status": "failed",  
3    "error": "The reservation cannot be carried out. All  
4              spaces are occupied."  
  }
```



Caso de fallo



## DELETE/reservations/id

Elimina la reserva indicada por id.

### Body

No posee un request body.

### URL

Delete reservation

DELETE

http://localhost:8080/api/reservations/4

### Response

Pretty

Raw

Preview

Visualize

JSON



```
1  {
2    "id": 4,
3    "state": "free",
4    "detail": "indoor-parking",
5    "licensePlate": "",
6    "checkIn": "",
7    "reserved": false
8  }
```



Caso de éxito





## DELETE/reservations/id

Elimina la reserva indicada por id.

### Body

No posee un request body.

### URL

▶ Delete reservation

DELETE

http://localhost:8080/api/reservations/4

### Response

Body ▾



404 Not Found 9 ms 345 B

Pretty

Raw

Preview

Visualize

JSON ▾



```
1 {  
2   "status": "failed",  
3   "error": "Reservation of space with id: 4 not found"  
4 }
```



Caso de fallo



# Repositorio del proyecto

[https://github.com/gaburolo/Laboratorio\\_REACT](https://github.com/gaburolo/Laboratorio_REACT)

## Cliente React



### Taller React

#### Availables

ID	STATE	DETAIL	RESERVED
4	free	indoor-parking	false
5	free	La cali-parking	false
6	free	La nave-parking	false

#### Reserved

ID	STATE	DETAIL	LICENSE PLATE	CHECK IN TIME	RESERVED
1	in-use	handicapped-parking	8496321	14:57	true
2	in-use	indoor-parking	2696329	14:57	true
3	in-use	indoor-parking	8652855	14:57	true

#### Add New Spaces

Description

Add new Space

#### Reserve Space

License Plate

Reserve Space

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