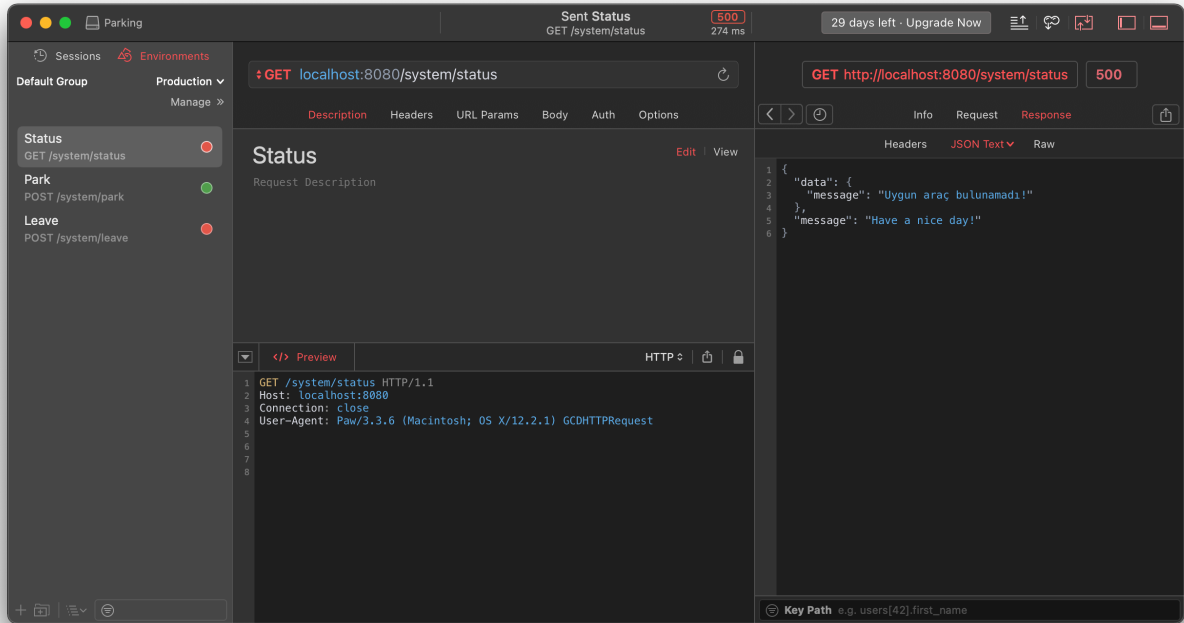
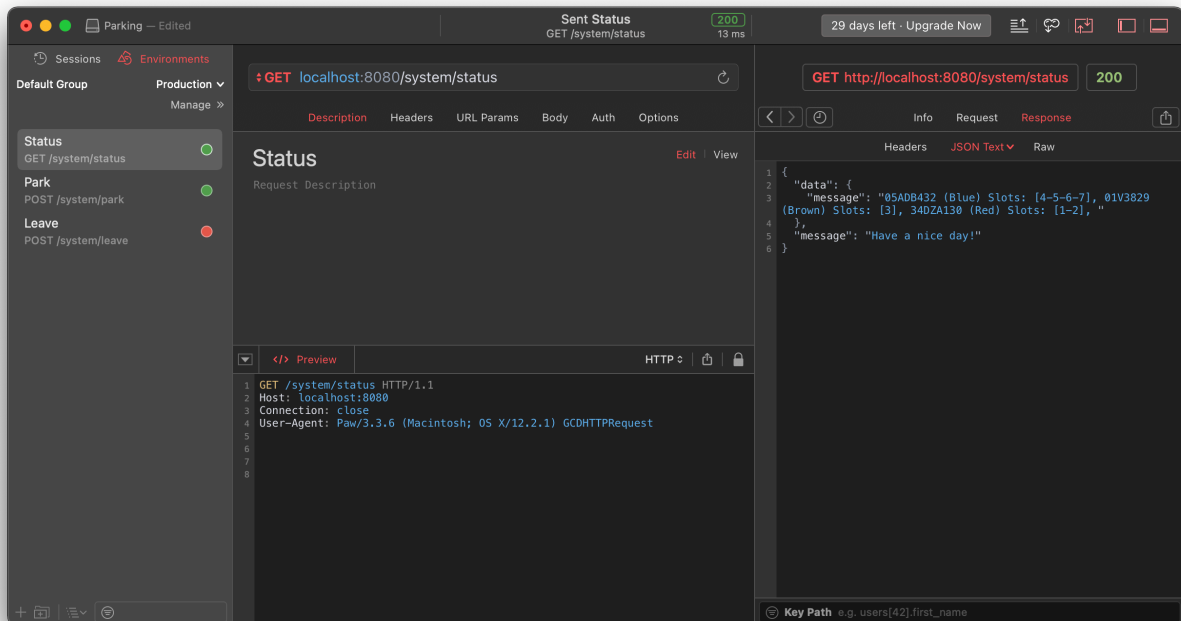


## Parking Lot System

### 1) Status Control



Araç olmama durumu



Araç Durumları

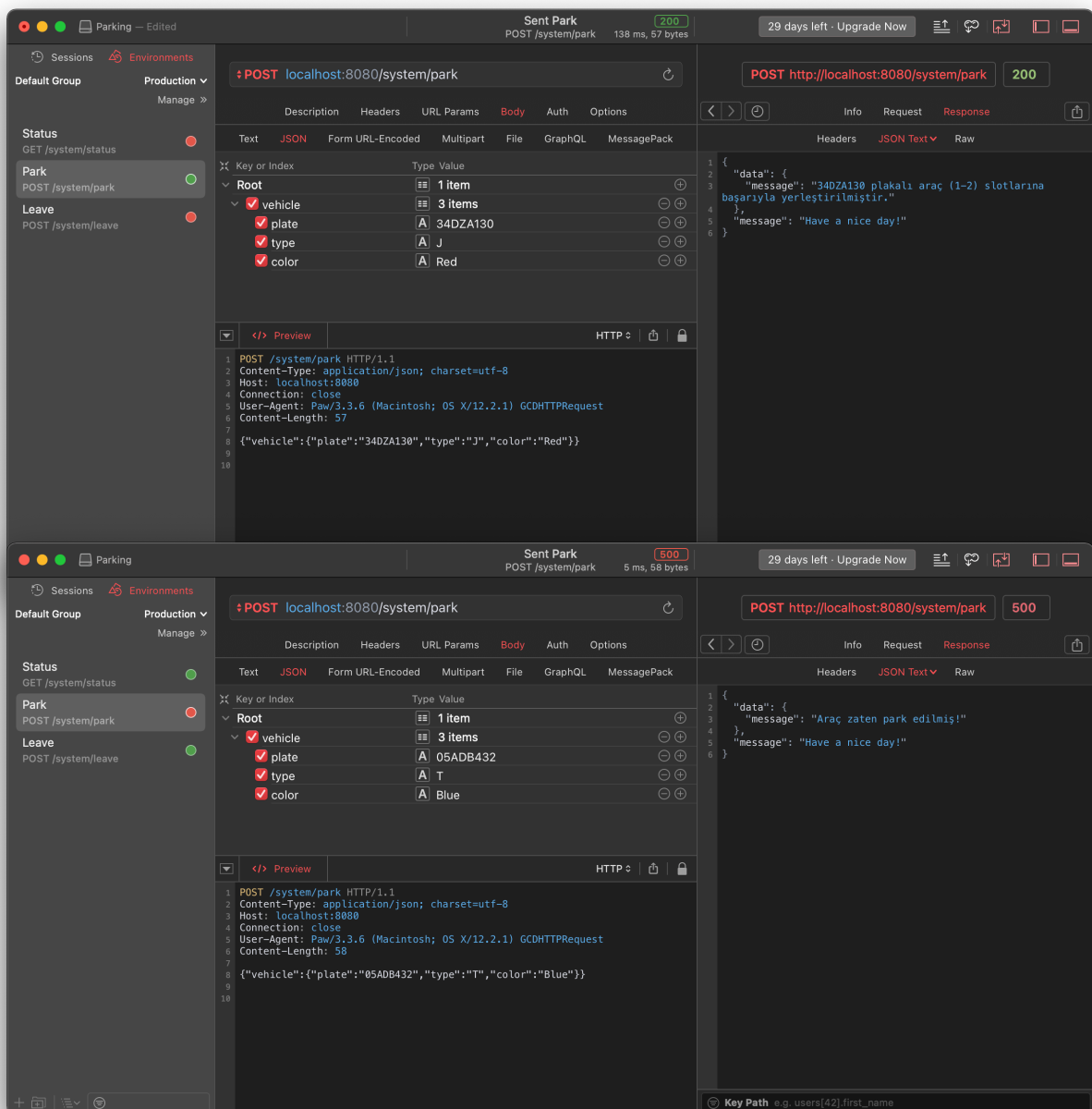
## 2) Park

Req:

```
{
  "vehicle": {
    "plate": "34DZA130",
    "type": "H",
    "color": "Red"
  }
}
```

Resp:

```
{
  "data": {
    "message": "34DZA130 plakalı araç (1-2) slotlarına başarıyla yerleştirilmiştir."
  },
  "message": "Have a nice day!"
}
```



### 3) Leave

Req:

```
{  
  "plate": "34DZA133"  
}
```

Resp:

```
{  
  "data": {  
    "message": "34DZA130 plakalı araç (1-2) slotlarından başarıyla  
ayrılmıştır."  
  },  
  "message": "Have a nice day!"  
}
```

The image displays two screenshots of the Paw REST client interface, showing the results of a POST request to `localhost:8080/system/leave`.

**Top Screenshot (Status 200):**

- Request:** `POST /system/leave` with a JSON body: `{ "plate": "34DZA130" }`.
- Response:** Status 200. The JSON response is: `{ "data": { "message": "34DZA130 plakalı araç (1-2) slotlarından başarıyla ayrılmıştır." }, "message": "Have a nice day!" }`.

**Bottom Screenshot (Status 500):**

- Request:** Identical to the top screenshot.
- Response:** Status 500. The JSON response is: `{ "data": { "message": "(34DZA130) plakalı araca ait aktif park kaydı bulunamadık!" }, "message": "Have a nice day!" }`.

# DB Schema

jdbc:h2:~/parking

HISTORY

PARKING\_SPOT

TICKET

VEHICLE

INFORMATION\_SCHEMA

Sequences

Users

H2 1.4.200 (2019-10-14)

Run

Run Selected

Auto complete

Clear

SQL statement:

SELECT \* FROM HISTORY

SELECT \* FROM HISTORY;

ID	EXECUTION_TIME	OPERATION_TYPE	PLATE	TICKET_ID_LIST
5	136	park	34DZA130	1-2-3-4
6	26	leave	34DZA130	1-2-3-4
9	9	park	34DZA131	7-8
11	6	park	34DZA132	10
16	9	park	34DZA133	12-13-14-15
17	15	leave	34DZA131	7-8
19	5	park	34DZA134	18
22	6	park	34DZA135	20-21
23	12	status	34DZA132	10-12-13-14-15-18-20-21

(9 rows, 1 ms)

Edit

jdbc:h2:~/parking

HISTORY

PARKING\_SPOT

TICKET

VEHICLE

INFORMATION\_SCHEMA

Sequences

Users

H2 1.4.200 (2019-10-14)

Run

Run Selected

Auto complete

Clear

SQL statement:

SELECT \* FROM TICKET

SELECT \* FROM TICKET;

ID	ENTRY_TIME	EXIT_TIME	SPOT_ID	VEHICLE_ID
1	2022-03-19 20:08:04.506	2022-03-19 20:08:08.432	1	34DZA130
2	2022-03-19 20:08:04.506	2022-03-19 20:08:08.432	2	34DZA130
3	2022-03-19 20:08:04.506	2022-03-19 20:08:08.432	3	34DZA130
4	2022-03-19 20:08:04.506	2022-03-19 20:08:08.432	4	34DZA130
7	2022-03-19 20:09:05.823	2022-03-19 20:09:21.311	1	34DZA131
8	2022-03-19 20:09:05.823	2022-03-19 20:09:21.311	2	34DZA131
10	2022-03-19 20:09:09.546	null	3	34DZA132
12	2022-03-19 20:09:13.946	null	4	34DZA133
13	2022-03-19 20:09:13.946	null	5	34DZA133
14	2022-03-19 20:09:13.946	null	6	34DZA133
15	2022-03-19 20:09:13.946	null	7	34DZA133
18	2022-03-19 20:09:32.75	null	1	34DZA134
20	2022-03-19 20:09:38.909	null	8	34DZA135
21	2022-03-19 20:09:38.909	null	9	34DZA135

(14 rows, 2 ms)

Edit

localhost

Auto commit ☒ Max rows: 1000 Auto complete Off Auto select On

jdbc:h2:~/parking

- HISTORY
- PARKING\_SPOT
- TICKET
- VEHICLE
- INFORMATION\_SCHEMA
- Sequences
- Users
- H2 1.4.200 (2019-10-14)

Run Run Selected Auto complete Clear SQL statement:

SELECT \* FROM PARKING\_SPOT

SELECT \* FROM PARKING\_SPOT;

ID	SIZE	STATE
1	1	TRUE
2	1	FALSE
3	1	TRUE
4	1	TRUE
5	1	TRUE
6	1	TRUE
7	1	TRUE
8	1	TRUE
9	1	TRUE
10	1	FALSE

(10 rows, 1 ms)

Edit

localhost

Auto commit ☒ Max rows: 1000 Auto complete Off Auto select On

jdbc:h2:~/parking

- HISTORY
- PARKING\_SPOT
- TICKET
- VEHICLE
- INFORMATION\_SCHEMA
- Sequences
- Users
- H2 1.4.200 (2019-10-14)

Run Run Selected Auto complete Clear SQL statement:

SELECT \* FROM VEHICLE

SELECT \* FROM VEHICLE;

PLATE	COLOR	TYPE
34DZA130	Blue	T
34DZA131	Blue	J
34DZA132	Blue	C
34DZA133	Blue	T
34DZA134	Blue	C
34DZA135	Blue	J

(6 rows, 0 ms)

Edit

Not: Bilinen bir tane bug var. Aynı plaka çıkış yaptıktan sonra tekrar eklenemiyor. Sebebi EntityExistException. Cascade ile ilgili bir problem ama çözmek için yeterli zaman bulamadım. Farklı plakalarla denemenizi rica ederim.

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