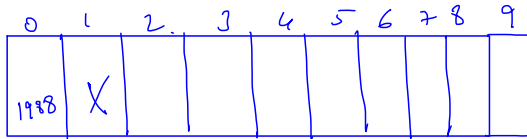
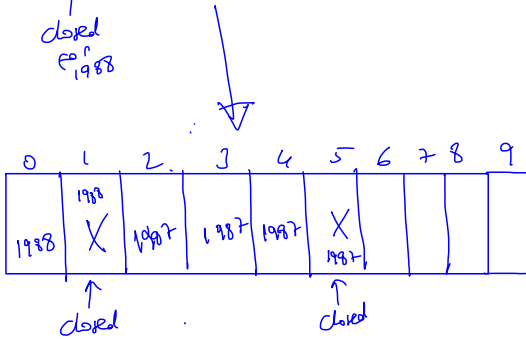


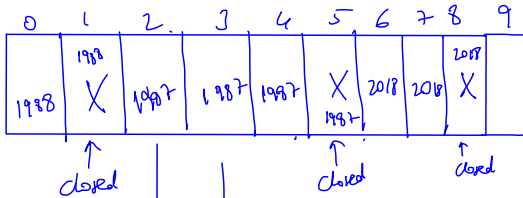
Car Park API Documentation



PARK — 34-BO-1987
200- OK
Allocates 2-3-4-5
(5 is closed for space)



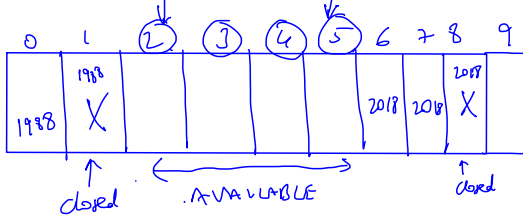
34 ABC 123 Try to
park. Garage full, park will
not complete.
409-CONFLICT



← New Vehicle
Truck (4)

EXCEPTION-
PARK SLOTS NOT AVAILABLE
Vehicle will not insert
to garage,
Displays → Garage Full
Go to Another

LEAVE 34-BO-1987
200-OK



LEAVE 34-TEST-1234
There is no car with this plate, cause exception and
returns
404-Not Found with proper message.

→ Exception - Not Found Plate

Swagger Url: <http://localhost:8080/swagger-ui.html#/>

swagger

default (v2/swagger-ui.html)

Explore

Api Documentation

Apache 2.0

parking-controller : Parking Controller

Show/Hide | List Operations | Expand Operations

POST

/api/v1/garage/leave

leavePark

POST

/api/v1/garage/park

createParking

GET

/api/v1/garage/status

getStatus

vehicle-controller : Vehicle Controller

Show/Hide | List Operations | Expand Operations

GET

/api/v1/vehicles

getVehicles

[swagger-ui v3.20.0]

Postman Collection: [garage-park-api.postman-collection.json](#)

Example Requests:

```
POST api/v1/garage/park
Request
{
  "vehicle": {
    "color": "blue",
    "licensePlate": "34-ABC-123",
    "allocationSlots": 0,
    "type": "TRUCK"
  }
}
```

POST api/v1/garage/leave?plate=34-ABC-123
Response:

```
{
  {
    "slotNum": 0,
    "vehicle": null,
    "status": "AVAILABLE"
  },
  {
    "slotNum": 1,
    "vehicle": null,
    "status": "AVAILABLE"
  },
  {
    "slotNum": 2,
    "vehicle": null,
    "status": "AVAILABLE"
  },
  {
    "slotNum": 3,
    "vehicle": null,
    "status": "AVAILABLE"
  },
  {
    "slotNum": 4,
    "vehicle": null ,
    "status": "AVAILABLE"
  }
}
```

GET api/v1/status

```
Response:
{
  "parks": [
    {
      "plate": "34-ABC-123",
      "carColor": "blue",
      "slotInfo": "0- 1- 2- 3- 4"
    }
  ],
  "totalCarsInPark": 1,
  "totalAllocatedSlots": 5,
  "totalEmptySlots": 5,
  "capacity": 10
}
```

Test Results:
Unit Tests and Integration Test
Test Coverage: %83

[illegible]

Coverage: GarageparkapiApplication ⚙️

Element	Class, %	Method, %	Line, %
com.alper.garageparkapi	83% (25/30)	73% (81/110)	77% (195/253)
> config	100% (1/1)	100% (2/2)	100% (7/7)
> enums	100% (1/1)	100% (2/2)	100% (2/2)
> exceptions	83% (5/6)	77% (7/9)	66% (14/21)
> logger	100% (1/1)	100% (1/1)	100% (13/13)
> parkingslots	80% (16/20)	71% (67/94)	75% (153/204)
GarageparkapiApplication	100% (1/1)	100% (2/2)	100% (6/6)