

# QuestApi

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## Main

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### GetOnlineVehicleNumber

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request for Online Vehicle Number

request:

```
POST /api

{
  cmd: "GetOnlineVehicleNumber"
}
```

response:

```
{
  data: "Num"
}
```

### GetUserName

---

request for username

request:

```
POST /api

{
  cmd: "GetUserName"
}
```

response:

```
{
  data: "userName"
}
```

## People

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### GetListOfPeople

---

request for the name list, each two name should be concat by char |

request:

POST /api

```
{  
  cmd: "GetListOfPeople"  
}
```

response:

```
{  
  data: "Name1|Name2|Name3"  
}
```

## AddPeople

---

request for add a people in name list, response should be **Success** / **Fail**

request:

POST /api

```
{  
  cmd: "AddPeople",  
  Name: "Name"  
}
```

response:

```
{  
  statuses: "Success"  
}
```

## DelPeople

---

similar to **AddPeople**

request:

POST /api

```
{  
  cmd: "DelPeople",  
  Name: "Name"  
}
```

response:

```
{  
  statuses: "Success"  
}
```

# Vehicle Control

---

Get Vehicle Infos

request:

POST /api

```
{
  "cmd": "GetVehicles"
}
```

response:

```
{
  "statuses": "Success/Fail/Timeout",
  "Data": [
    {
      "VehicleID": "V001",
      "Name": "Car1",
      "Type": "Sedan",
      "Location": "Parking Lot A",
      "Brand": "Toyota",
      "Model": "Camry",
      "Weight": 1500,
      "LicensePlate": "ABC123",
      "MaxCapacity": 5
    }
  ]
}
```

## Change Vehicle Capacity

---

Change All Capacity of a Vehicle by **Vehicle ID**

request:

POST /api

```
{
  "cmd":
    "ChangeBrand/ChangeModel/ChangeWeight/ChangeLicensePlate/ChangeMaxCapacity",
  "VehicleID": "Vehicle ID",
  "NewBrand/NewModel/NewWeight/NewLicense/NewCapacity": "The New Value"
}
```

response:

```
{
  "statuses": "Success/Fail/Timeout",
  "message": "success"
}
```

# Add Vehicle

---

Add a new one

request:

POST /api

```
{
  "cmd": "AddVehicle",
  "Data": {
    "Brand": "Type",
    "Model": "Version",
    "Weight": WeightN,
    "License": "License",
    "Capacity": Capacity
  }
}
```

response:

```
{
  "statuses": "Success/Fail/Timeout",
  "message": "(example)Vehicle ID: V002"
}
```

# Delete Vehicle

---

Del Vehicle

request:

POST /api

```
{
  "cmd": "DeleteVehicle",
  "VehicleID": "Vehicle ID"
}
```

response:

```
{
  "statuses": "Success/Fail/Timeout",
  "message": ""
}
```

# Vehicle Dashboard

---

## Get Vehicle List

---

request:

GET /api/vehicle

response:

```
{
  "data": [
    {
      "id": "V1",
      "name": "MYCar1",
      "license_plate": "12345",
      "max_capacity": 4,
      "status": "available"
    },
    {
      "id": "V2",
      "name": "MYCar2",
      "license_plate": "23456",
      "max_capacity": 6,
      "status": "in_use"
    }
  ]
}
```

## Get People List

---

request:

GET /api/users

response:

```
{
  "data": [
    {
      "id": "U1",
      "full_name": "user1",
      "email": "zhangsan@example.com"
    },
    {
      "id": "U2",
      "full_name": "user2",
      "phone": "13800138000"
    }
  ]
}
```

## course (of history)

---

request:

POST /api/drives

```
{
  "vehicle_id": "V1",
  "passengers": [
    {
      "type": "user",
      "user_id": "U1"
    },
    {
      "type": "custom",
      "custom_name": "U2"
    },
    {
      "type": "empty"
    }
  ]
}
```

response:

success :

```
{
  "success": true,
  "drive_id": "D123456",
  "start_time": "2023-07-20T14:30:00Z"
}
```

fail :

```
{
  "success": false,
  "error": "VEHICLE_NOT_AVAILABLE",
  "message": "VehicleNotavailable"
}
```