# **Simple Tool Rental API**

This API allows you to reserve a tool.

The API is available at <https://simple-tool-rental-api.glitch.me>

authentication:

## **Endpoint**

* [Status](https://github.com/vdespa/quick-introduction-to-postman/blob/main/simple-tool-rental-api.md#Status)
* [Tools](https://github.com/vdespa/quick-introduction-to-postman/blob/main/simple-tool-rental-api.md#Tools)
  + [Get all tools](https://github.com/vdespa/quick-introduction-to-postman/blob/main/simple-tool-rental-api.md#Get-all-tools)
  + [Get a single tool](https://github.com/vdespa/quick-introduction-to-postman/blob/main/simple-tool-rental-api.md#Get-a-single-tool)
* [Orders](https://github.com/vdespa/quick-introduction-to-postman/blob/main/simple-tool-rental-api.md#Orders)
  + [Get all orders](https://github.com/vdespa/quick-introduction-to-postman/blob/main/simple-tool-rental-api.md#Get-all-orders)
  + [Get a single order](https://github.com/vdespa/quick-introduction-to-postman/blob/main/simple-tool-rental-api.md#Get-a-single-order)
  + [Create a new order](https://github.com/vdespa/quick-introduction-to-postman/blob/main/simple-tool-rental-api.md#Create-a-new-order)
  + [Update an order](https://github.com/vdespa/quick-introduction-to-postman/blob/main/simple-tool-rental-api.md#Update-an-order)
  + [Delete an order](https://github.com/vdespa/quick-introduction-to-postman/blob/main/simple-tool-rental-api.md#Delete-an-order)

## **A. Status:** GET /status

Returns the status of the API:

* UP: indicates that the API is running as expected.
* DOWN: indicates that the API is currently not working.

## **B. Tools:** GET <https://simple-tool-rental-api.glitch.me>/tools

Returns a list of tools from the inventory.

1/ Parameters: tools?category={category\_name}, tools?results={number}...

| **Name** | **Type** | **In** | **Description** |
| --- | --- | --- | --- |
| category | string | query | Optional - Specifies the category of tools you want to be returned. It can be one of: *ladders, plumbing, power-tools, trailers, electric-generators, lawn-care.* |
| results | integer  1/2/5/6/7  -1, -2, 1.5, 4.5  text | query | Optional - Specifies the number of results you want. Must be number *between 1 and 20.*  By default, only 20 tools will be displayed. |
| available | boolean  true/false  439/klsffa | query | Optional - Specifies the availability of the tools. By default, all tools will be displayed. |

2/ Status codes

| **Status code** | **Description** |
| --- | --- |
| 200 OK | Indicates a successful response. |
| 400 Bad Request | Indicates that the **parameters** provided are invalid. |

### **Get a single/detail tool:** <https://simple-tool-rental-api.glitch.me>

GET /tools/{toolId}

Returns a single tool from the inventory

1/ Parameters

| **Name** | **Type** | **In** | **Description** |
| --- | --- | --- | --- |
| toolId | integer  yyyy/hhhj | path | Specifies the id of the tool you wish to retrieve. |
|  |  |  |  |

2/ Status codes

| **Status code** | **Description** |
| --- | --- |
| 200 OK | Indicates a successful response. |
| 404 Not found | Indicates that there is no tool with the *specified id*. |

## 

## **C. Orders**

### **Create a new order** <https://simple-tool-rental-api.glitch.me>

POST /orders

=*> New order is created for an existed toolID*

1/ Parameters

| **Name** | **Type** | **In** | **Description** |
| --- | --- | --- | --- |
| Authorization | string | header | Required.  Specifies the bearer token of the API client.  Bearer {YOUR TOKEN}  Bearer  session/phien lam viec: 15p =>expired  Bearer 4fc1f9ef1534b24d1fcabded9e57a666a1dc83419698f3ba964c14e86c9bd3ea  =>expired (EX): hết 15p, log out, login multiple times |
| toolId | integer | body | *Required*  The existing ID.  buy a tool that is quantity = 0 |
| customerName | string | body | *Required*  Specifies the name of the customer. |
| comment | string | body | Optional. Specifies a comment. |

Example request body:

{

"toolId": 4643,

"customerName": "John Doe",

"comment": "This is QA03 class"

}

2/ Status codes

| **Status code** | **Description** |
| --- | --- |
| 201 Created | Indicates that the order has been created successfully. |
| 400 Bad Request | Indicates that the parameters provided are invalid. |
| 401 Unauthorized | Indicates that request has not been authenticated. Check the response body for additional details. |

### **Get all orders**

Returns all orders created by the API client.

GET /orders

1/ Parameters

| **Name** | **Type** | **In** | **Description** |
| --- | --- | --- | --- |
| Authorization | string | header | Required.  Specifies the bearer token of the API client.  Bearer {YOUR TOKEN}  4f1a3bb9f38efb9102ad2f19beedf4cce4772f4d3675fa0a2a75a1da045a1b43  session/phien lam viec: 15p |

2/ Status codes

| **Status code** | **Description** |
| --- | --- |
| 200 Ok | Indicates a successful response. |
| 401 Unauthorized | Indicates that request has not been authenticated. Check the response body for additional details. |

### **Get a single order**

Returns a single order.

GET /orders/{orderId} =>url/path

1/ Parameters

| **Name** | **Type** | **In** | **Description** |
| --- | --- | --- | --- |
| Authorization | string | header | Required.  Specifies the bearer token of the API client.  Bearer {YOUR TOKEN} |

2/ Status codes

| **Status code** | **Description** |
| --- | --- |
| 200 Ok | Indicates a successful response. |
| 401 Unauthorized | Indicates that request has not been authenticated. Check the response body for additional details. |
| 404 Not found | Indicates that there is no order with the specified id associated with the API client. |

### **Update an order**

PATCH /orders/{orderId}

1/ Parameters

| **Name** | **Type** | **In** | **Description** |
| --- | --- | --- | --- |
| Authorization | string | header | Required.  Specifies the bearer token of the API client.  Bearer {YOUR TOKEN} |
| customerName | string | body | required  . Specifies the name of the customer. |
| comment | string | body | Optional.  Specifies a comment. |

Example request body:

{

"customerName": "Joe Doe",

"comment": "Joe Doe"

}

2/ Status codes

| **Status code** | **Description** |
| --- | --- |
| 204 No Content | Indicates that the order has been updated successfully. |
| 400 Bad Request | Indicates that the parameters provided are invalid. |
| 401 Unauthorized | Indicates that request has not been authenticated. Check the response body for additional details. |
| 404 Not found | Indicates that there is no order with the specified id associated with the API client. |

### **Delete an order**

DELETE /orders/{orderId}

1/ Parameters

| **Name** | **Type** | **In** | **Description** |
| --- | --- | --- | --- |
| Authorization | string | header | Required.  Specifies the bearer token of the API client.  Bearer {YOUR TOKEN} |
| orderId | string | path | Specifies the order id. |

2/ Status codes

| **Status code** | **Description** |
| --- | --- |
| 204 No Content | Indicates that the order has been deleted successfully. |
| 400 Bad Request | Indicates that the parameters provided are invalid. |
| 401 Unauthorized | Indicates that request has not been authenticated. Check the response body for additional details. |
| 404 Not found | Indicates that there is no order with the specified id associated to the API client. |