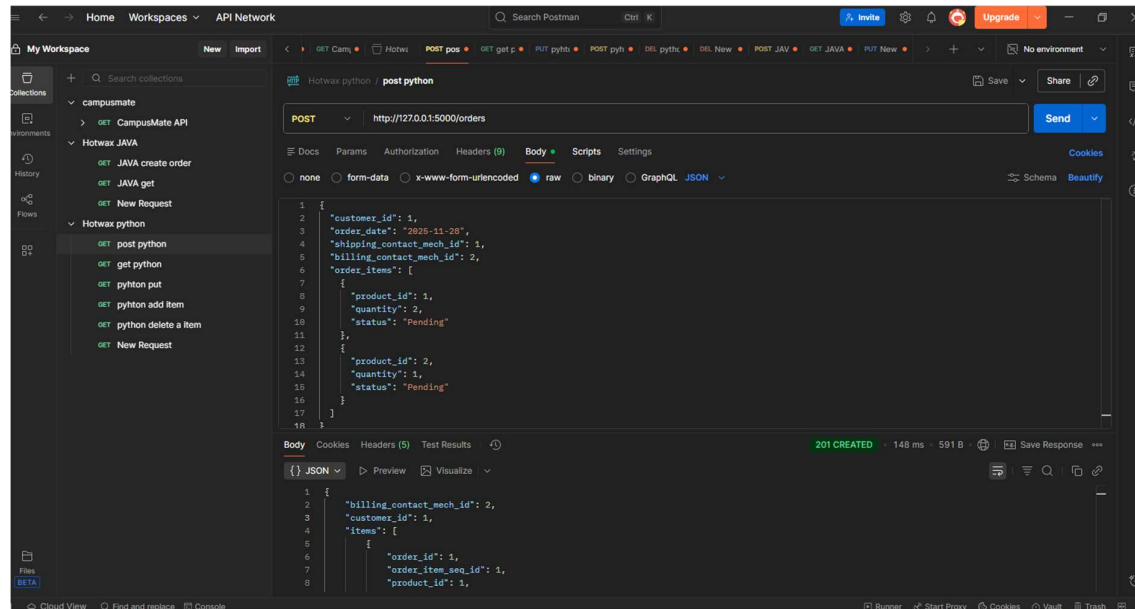


## Order Management System (OMS) REST API

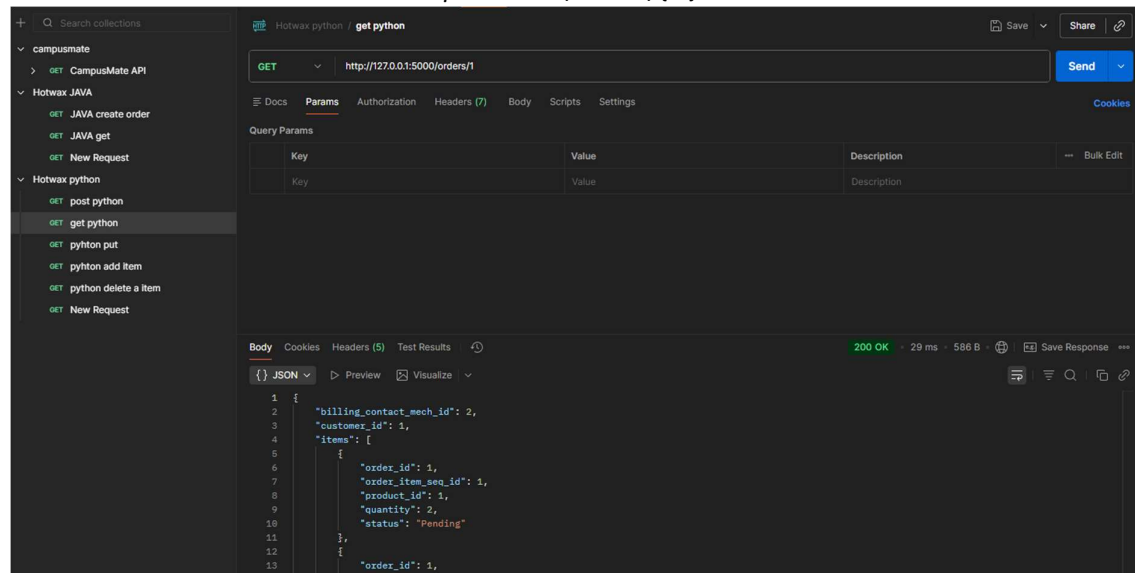
### Assignment Submission

*Below are the screenshots from Postman demonstrating the successful execution of all required scenarios.*

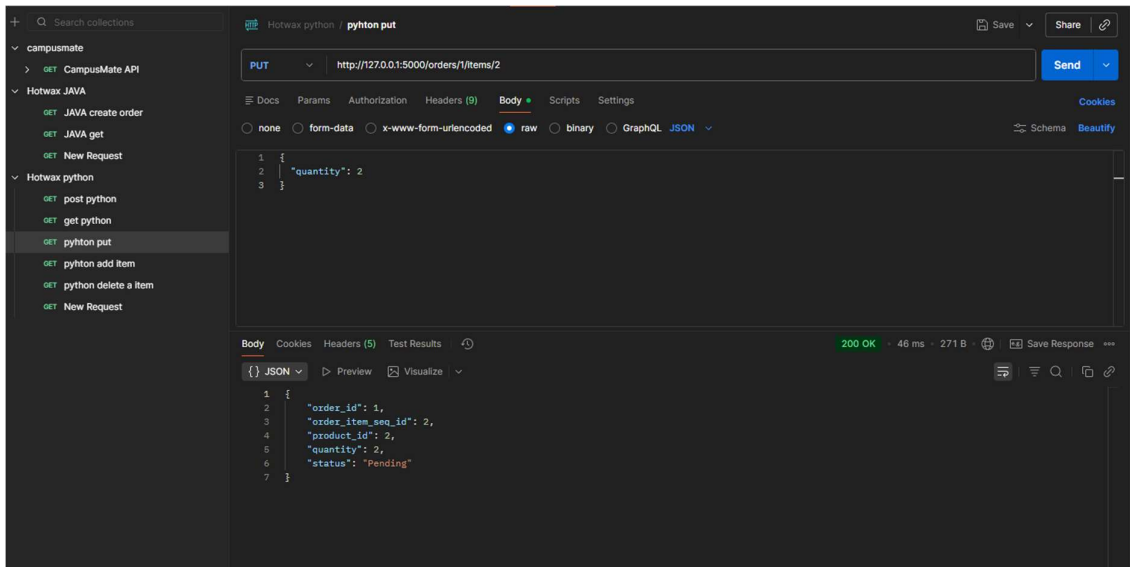
#### Scenario 1: Create an Order *Endpoint: POST /orders*



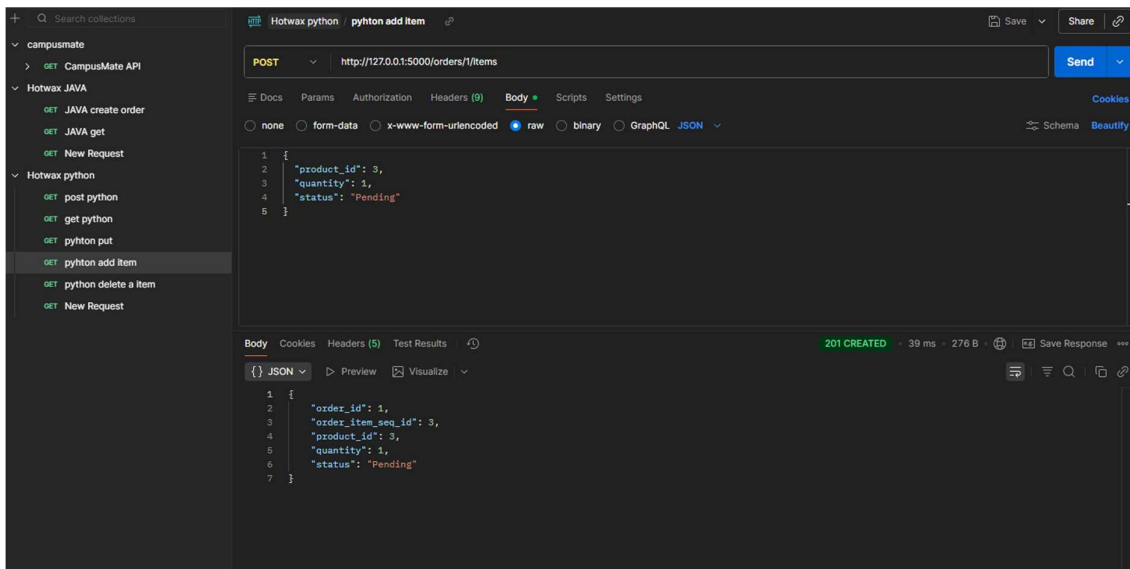
#### Scenario 2: Retrieve Order Details *Endpoint: GET /orders/{id}*



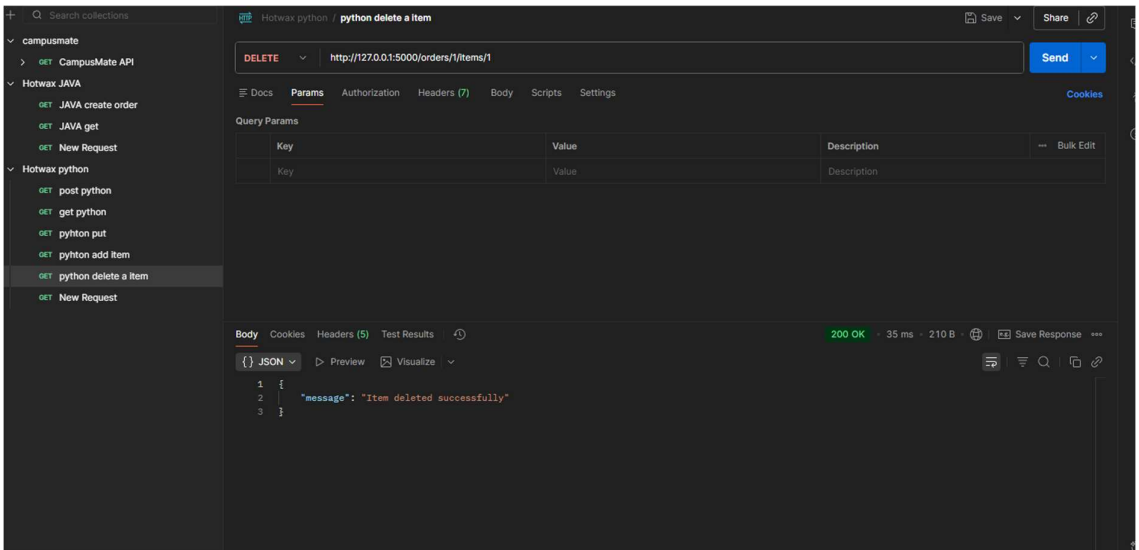
**Scenario 3: Update an Order Item** *Endpoint:* PUT /orders/{id}/items/{item\_id} *Action:* Updated quantity of Jeans to 2.



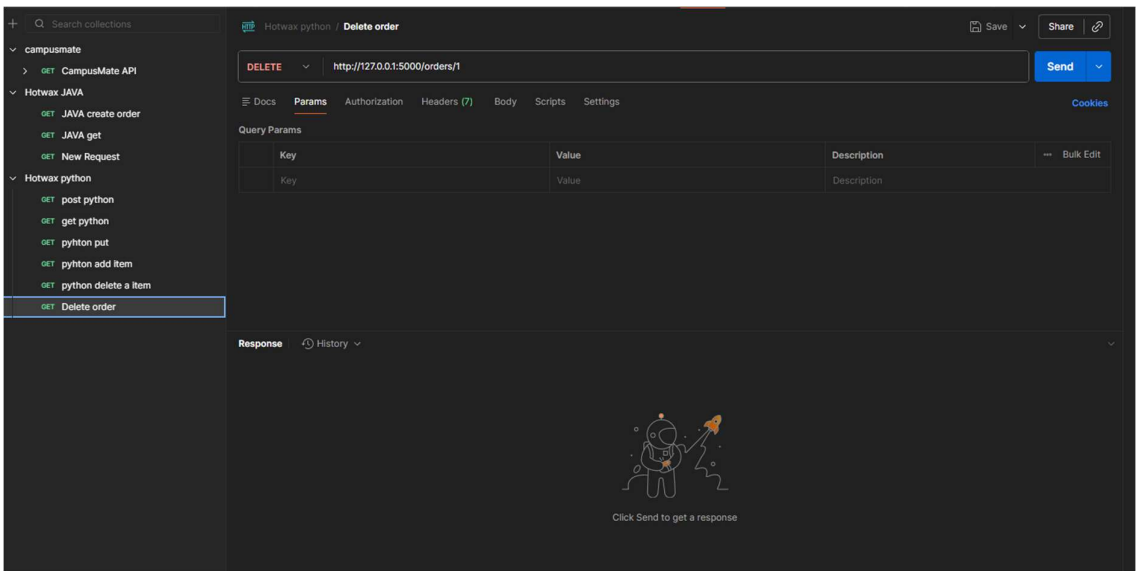
**Scenario 4: Add an Order Item** *Endpoint:* POST /orders/{id}/items *Action:* Added "Sneakers" to the order.



**Scenario 5: Delete an Order Item** *Endpoint:* DELETE /orders/{id}/items/{item\_id} *Action:* Deleted "T-Shirt" from the order.



**Scenario 6: Delete an Order** *Endpoint:* DELETE /orders/{id}



**JWT Authentication** Implemented secure login to protect all API endpoints.

Q Search collections

> campusmate

> Hotwax JAVA

GET JAVA create order

GET JAVA get

GET update order

GET add new item

GET delete item

GET delete order

GET update order address

> Hotwax python

GET post python

GET get python

GET python put

GET python add item

GET python delete a item

GET Delete order

GET register user

GET New Request

Hotwax python / register user

Save Share

POST http://127.0.0.1:5000/register Send

Docs Params Authorization Headers (9) Body Scripts Settings

none form-data x-www-form-urlencoded raw binary GraphQL JSON Schema Beautify

```
1 {
2   "username": "jayaditya",
3   "password": "mypassword123"
4 }
```

201 CREATED · 3.18 s · 218 B Save Response

Body Cookies Headers (5) Test Results Preview Visualize

```
1 {} JSON
2 {
3   "message": "User registered successfully"
4 }
```

3. Authorized Request *Endpoint*: GET /orders/{id} (Using Bearer Token)

The screenshot shows a REST client interface with a sidebar on the left listing endpoints under 'campusmate' and 'Hotwax'. The main area displays a GET request to `http://127.0.0.1:5000/orders/1`. The 'Authorization' tab is active, showing 'Auth Type' as 'Bearer Token' and a 'Token' field with a masked value. Below this, a note states: 'The authorization header will be automatically generated when you send the request. Learn more about [Bearer Token](#) authorization.'

The 'Body' tab at the bottom shows the response in JSON format:

```
1 {
2   "billing_contact_mech_id": 2,
3   "customer_id": 1,
4   "items": [
5     {
6       "order_id": 1,
7       "order_item_seq_id": 2,
8       "product_id": 2,
9       "quantity": 2,
10      "status": "Pending"
11    },
12    {
13      "order_id": 1,
```

The response status is '200 OK' with a response time of '33 ms' and a size of '586 B'. The 'Save Response' button is visible.