Vendor Management System Test Suite

Test Case 1:

Endpoint: http://127.0.0.1:8000/create_user

Request Method: POST

To test the user creation and token generation for api authentication

(Note: Before running the tests make sure the server is up and running)

1) Paste the above mentioned url in postman or in any other api testing tool
2) Create the below json in request body
3) Hit the endpoint with a post request
4) Check if a token is returned

Example:
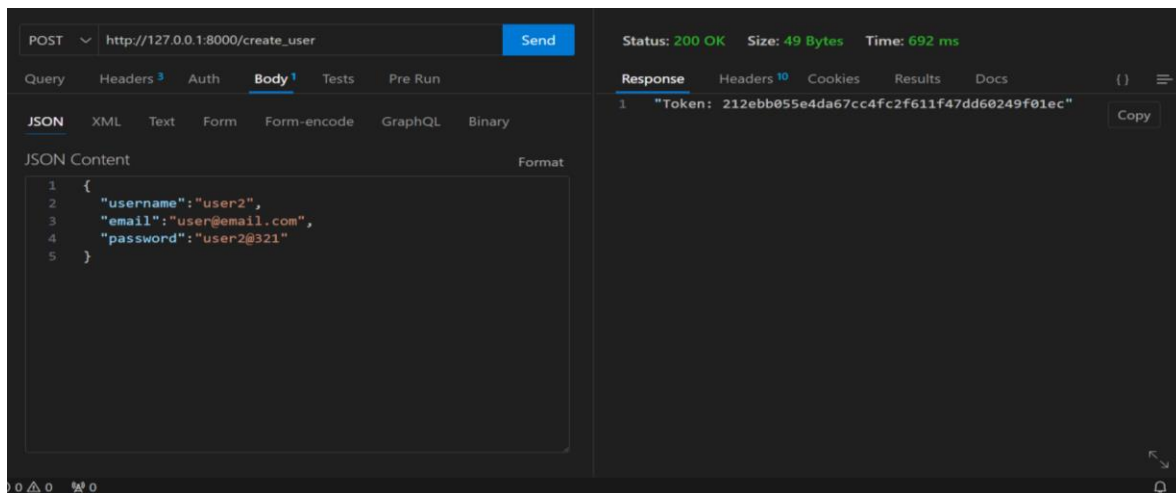
Error Codes:

Error code: 400

Reason: if the endpoint is hit with incorrect or blank request body.
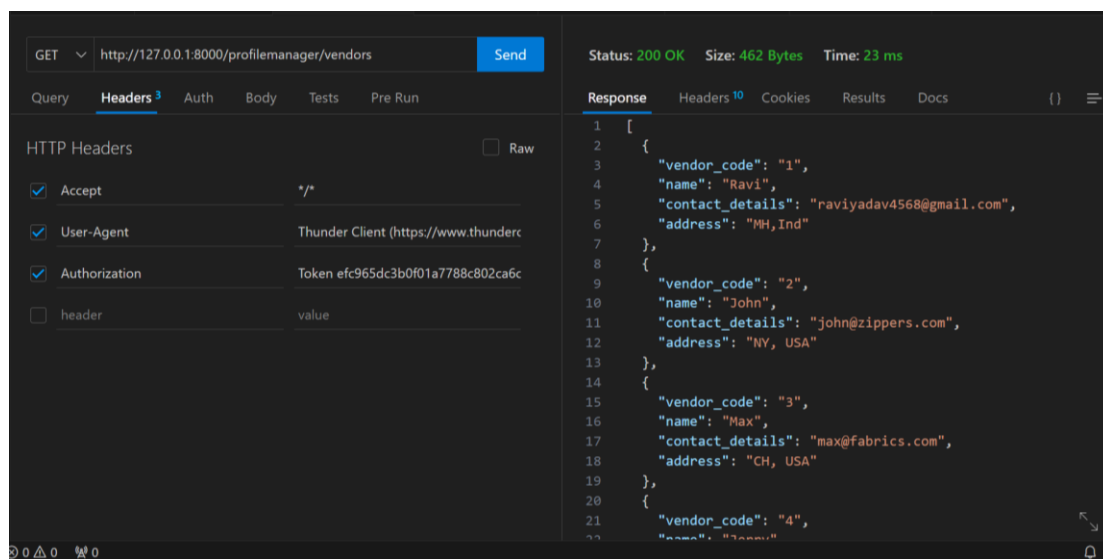
Test Case 2:

Endpoint: http://127.0.0.1:8000/profilemanager/vendors

Request Method: GET

To list all the vendors

1) Enter the above endpoint in the api testing tool
2) Go to Header tab and add Authorization with value 'Token <token>' . Use the generated token for authorization
3) Hit the endpoint with GET method to see the response

Example:

Error Codes:

Error code: 404

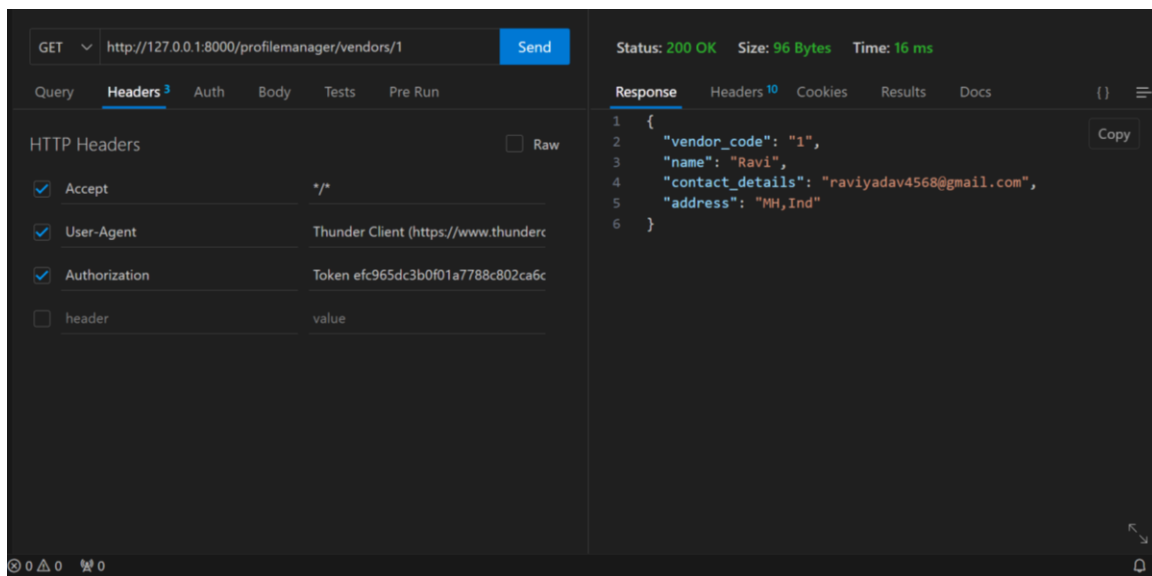Reason: if invalid url is passed.

Test Case 3:

Endpoint: http://127.0.0.1:8000/profilemanager/vendors/<vendor_code>

Request Method: GET

To get details of a specific vendor

1) Enter the above endpoint in the api testing tool
2) Add the authorization header with the generated authentication token
3) Hit the endpoint with GET method to see the response

Example:

Error Codes:

Error Code: 404

Reason: If the vendor id sent to the endpoint is invalid. Please refer the vendor list from the api to get the correct vendor id
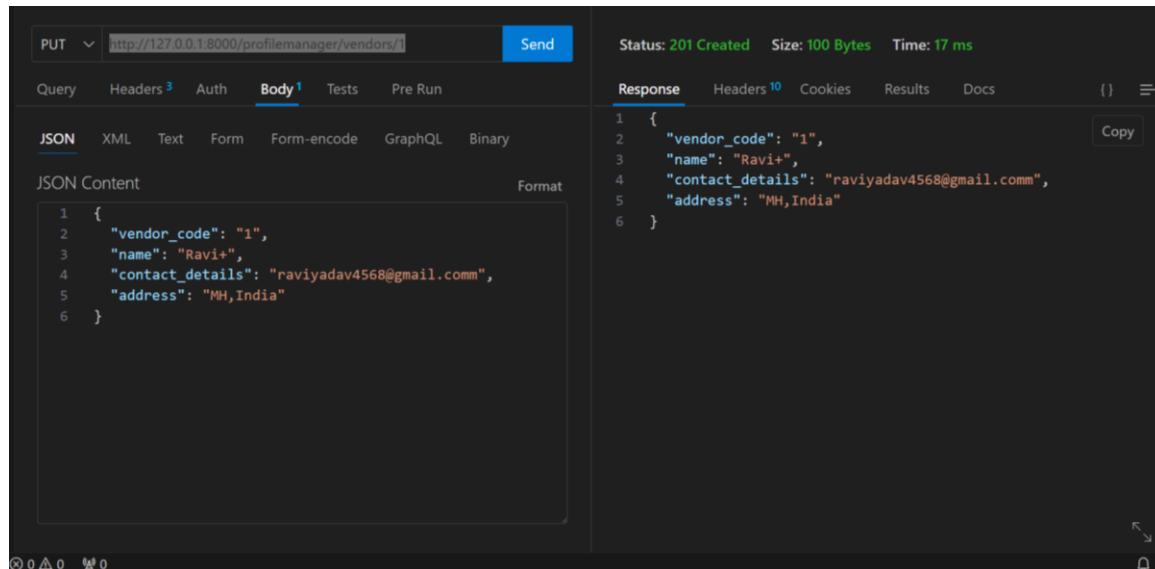
Test Case 4:

Endpoint: http://127.0.0.1:8000/profilemanager/vendors/<vendor_code>

Request Method: PUT

To update all the fields of a vendor

1) Enter the above endpoint in the api testing tool
2) Add the authorization header with the generated authentication token
3) Add all the mandatory fields with updated values in the request body
4) Hit the endpoint with PUT request to see the response

Example:

Error Codes:

Error code: 400

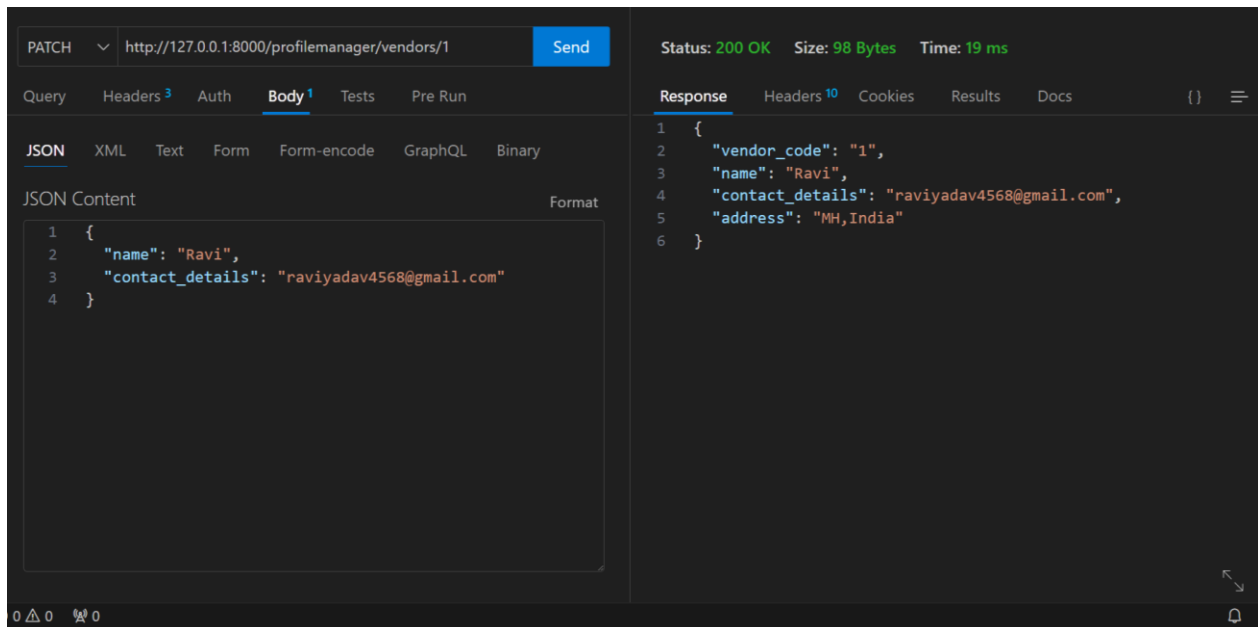Reason: if the endpoint is hit with incorrect or blank request body.

Test Case 5:

Endpoint: http://127.0.0.1:8000/profilemanager/vendors/<vendor_code>

Request Method: PATCH

To update only few fields of a vendor

1) Enter the above endpoint in the api testing tool
2) Add the authorization header with the generated authentication token
3) Add the fields to be updated with updated values in the request body
4) Hit the endpoint with PATCH request to see the response

Example:

Error Codes:

Error code: 400

Reason: if the endpoint is hit with incorrect or blank request body.
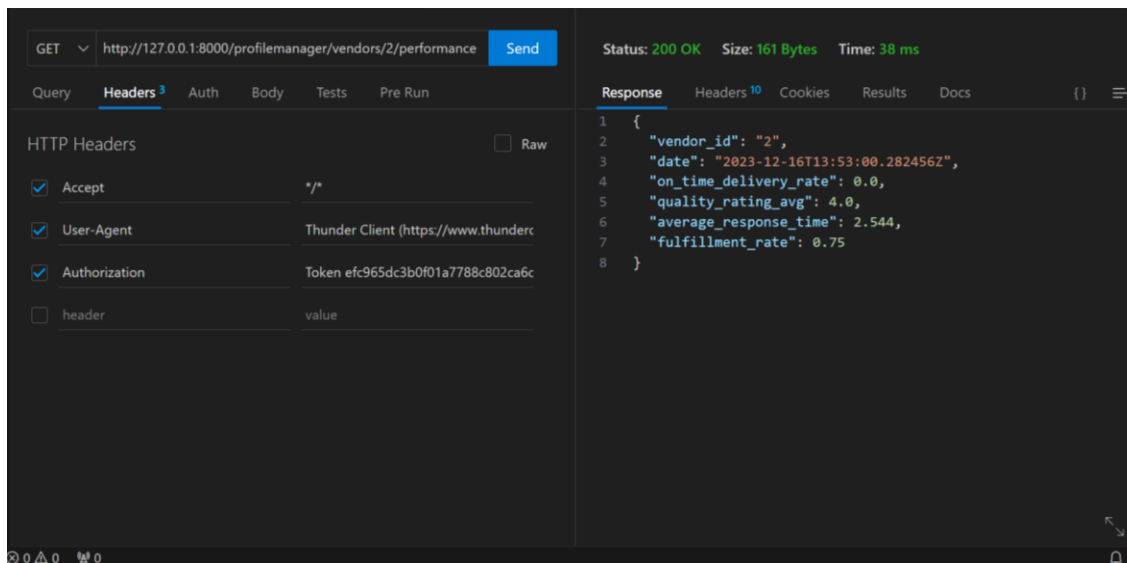
Test Case 6:

Endpoint:
http://127.0.0.1:8000/profilemanager/vendors/<vendor_code>/performance

Request Method: GET

To get performance metrics of a vendor

1) Enter the above endpoint in the api testing tool
2) Add the authorization header with the generated authentication token
3) Hit the endpoint with GET method to see the response

Example:

Error Codes:

Error code: 404

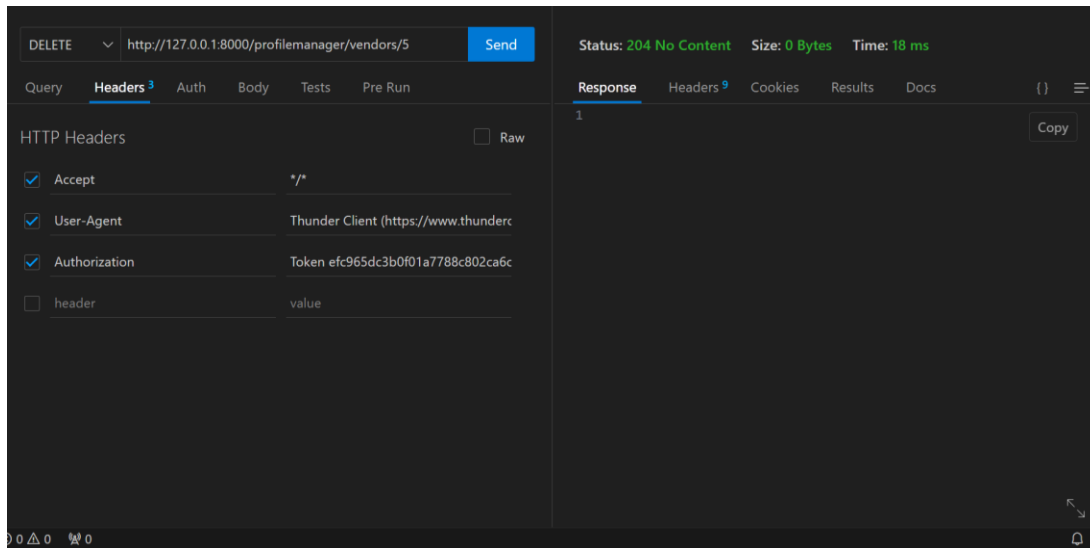Reason: If url contains invalid vendor code

Test Case 7:

Endpoint: http://127.0.0.1:8000/profilemanager/vendors/<vendor_code>

Request Method: DELETE

To delete a specific vendor

1) Enter the above endpoint in the api testing tool
2) Add the authorization header with the generated authentication token
3) Hit the endpoint with DELETE method to see the response

Example:

Error Codes:

Error code: 404

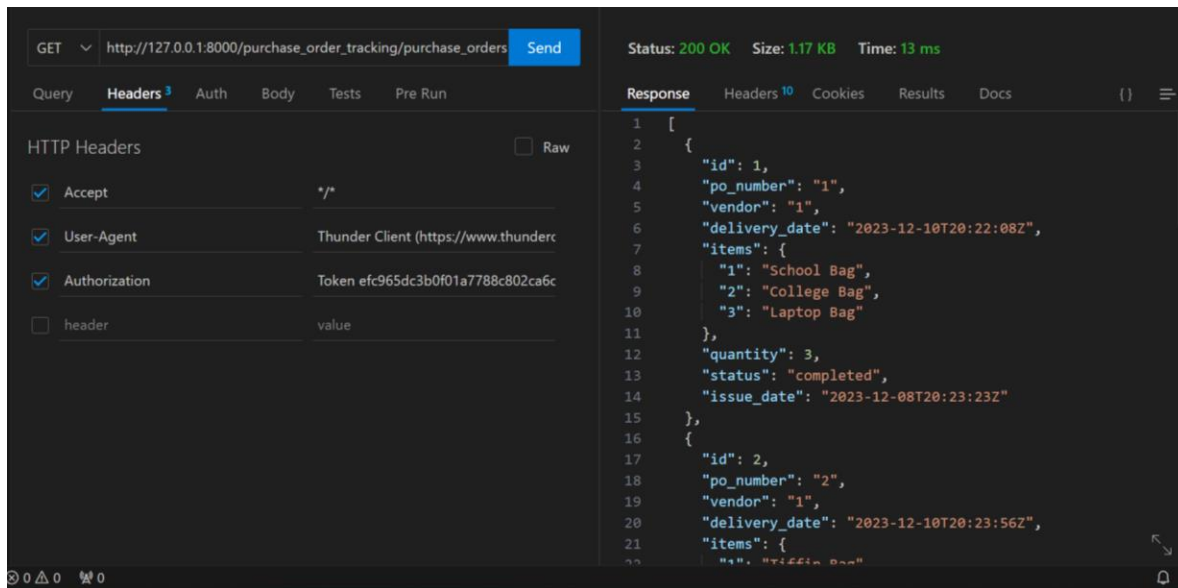Reason: If url contains invalid vendor code

Test Case 8:

Endpoint: http://127.0.0.1:8000/ purchase_order_tracking/purchase_orders

Request Method: GET

To list all the purchase order

1) Enter the above endpoint in the api testing tool
2) Add the authorization header with the generated authentication token
3) Hit the endpoint with DELETE method to see the response

Example:

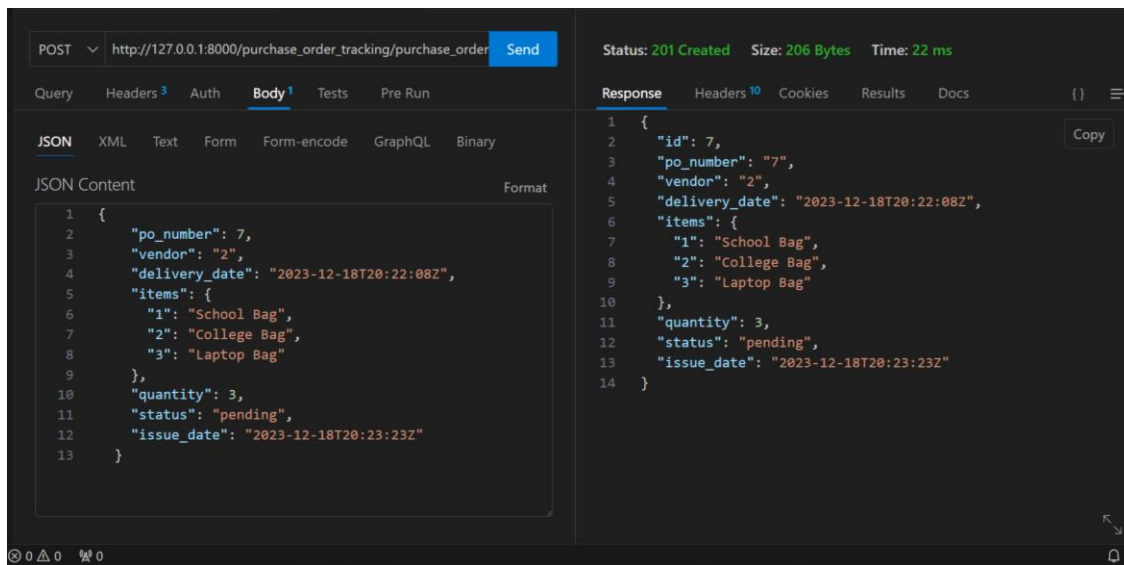Error Codes:

Error code: 404

Reason: If entered url is invalid

Test Case 9:

Endpoint: http://127.0.0.1:8000/ purchase_order_tracking/purchase_orders

Request Method: POST

To create a new purchase order

1) Enter the above endpoint in the api testing tool
2) Add the authorization header with the generated authentication token
3) Add all the mandatory fields in the request body
4) Hit the endpoint with POST request to see the response

Error Codes:

Error code: 400

Reason: if the endpoint is hit with incorrect or blank request body.
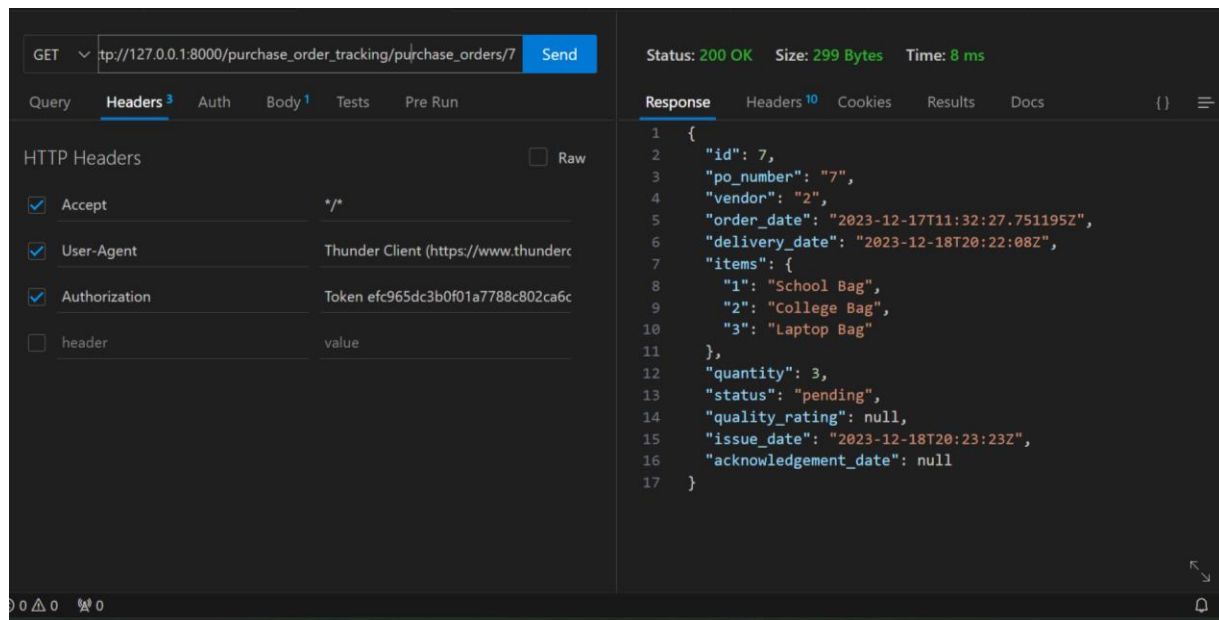
Test Case: 10

Endpoint: http://127.0.0.1:8000/ purchase_order_tracking/purchase_orders /<po_number>

Request Method: GET

To get details of a specific purchase order

1) Enter the above endpoint in the api testing tool with valid po_number
2) Add the authorization header with the generated authentication token
3) Hit the endpoint with GET method to see the response

Example:

Error Codes:

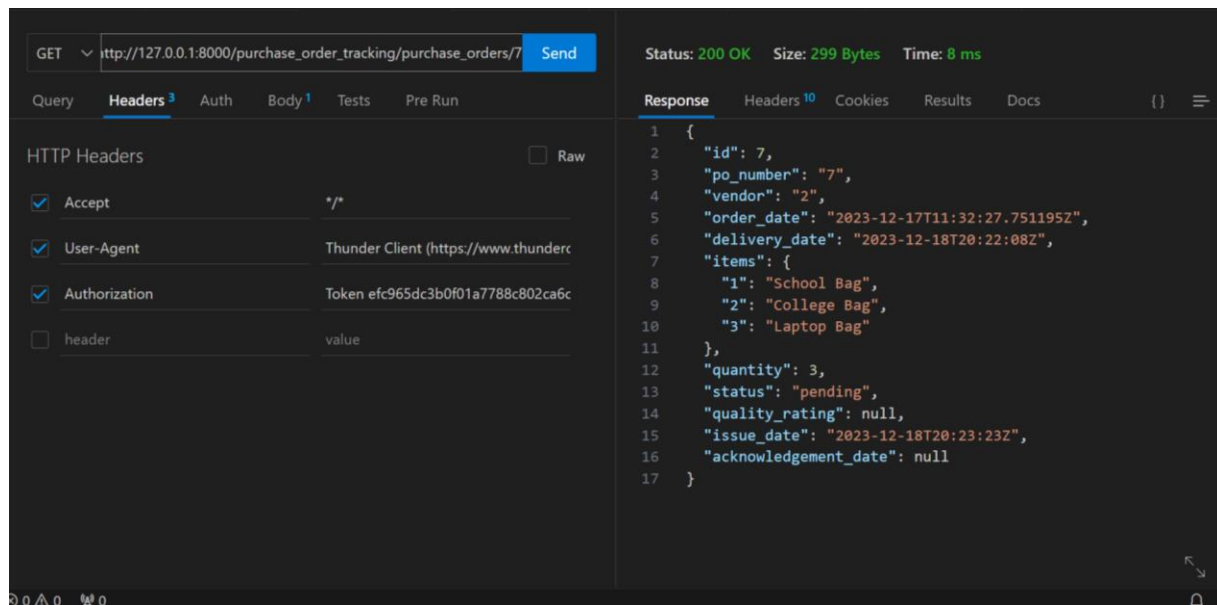Error code: 404

Reason: If entered url is invalid

Test Case 11:

Endpoint: http://127.0.0.1:8000/ purchase_order_tracking/purchase_orders /<po_number>

Request Method: PUT

To update all the fields of a purchase order

1) Enter the above endpoint in the api testing tool
2) Add the authorization header with the generated authentication token
3) Add all the mandatory fields in the request body
4) Hit the endpoint with PUT request to see the response

Example:

Error Codes:

Error code: 400

Reason: if the endpoint is hit with incorrect or blank request body.
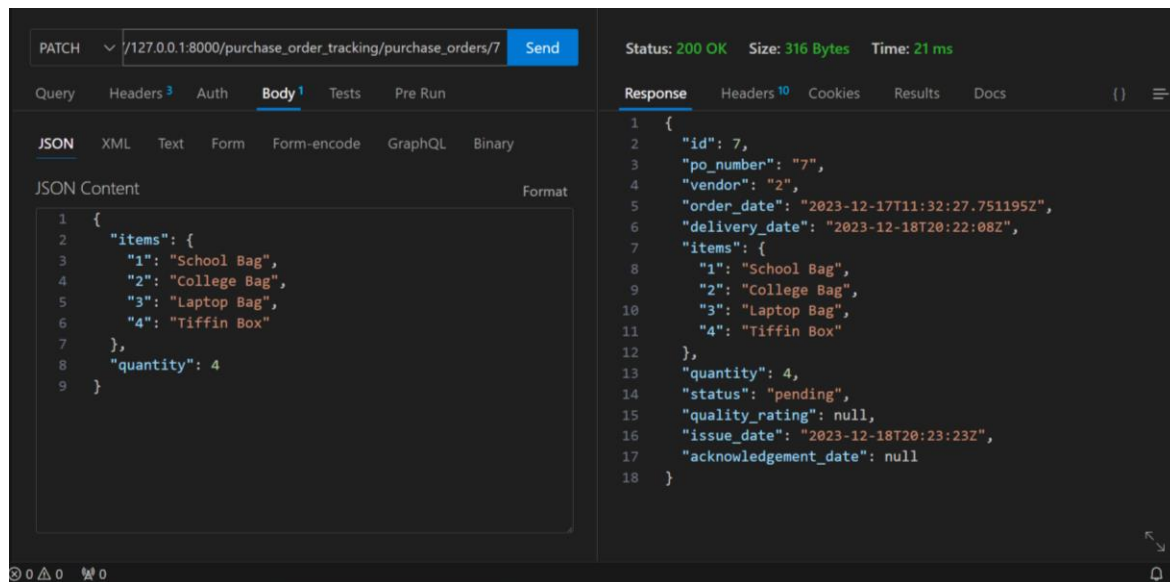
Test Case 12:

Endpoint: http://127.0.0.1:8000/ purchase_order_tracking/purchase_orders /<po_number>

Request Method: PATCH

To update only few fields of a purchase order

1) Enter the above endpoint in the api testing tool
2) Add the authorization header with the generated authentication token
3) Add the fields to be updated with updated values in the request body
4) Hit the endpoint with PATCH request to see the response

Example:

Error Codes:

Error code: 400

Reason: if the endpoint is hit with incorrect or blank request body.
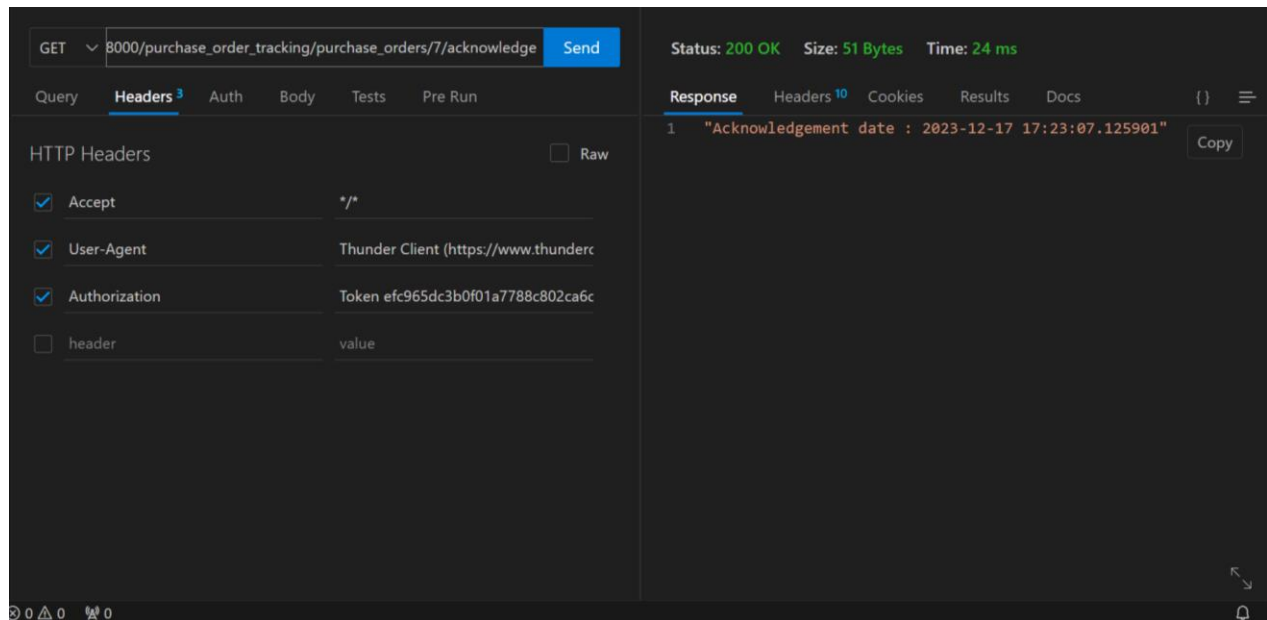
Test Case 13:

Endpoint: http://127.0.0.1:8000/ purchase_order_tracking/purchase_orders /<po_number>/acknowledge

Request Method: GET

To acknowledge a purchase order with current time

1) Enter the above endpoint in the api testing tool with valid po_number
2) Add the authorization header with the generated authentication token
3) Hit the endpoint with GET method to see the response

Example:

Error Codes:

Error code: 404

Reason: If entered url is invalid
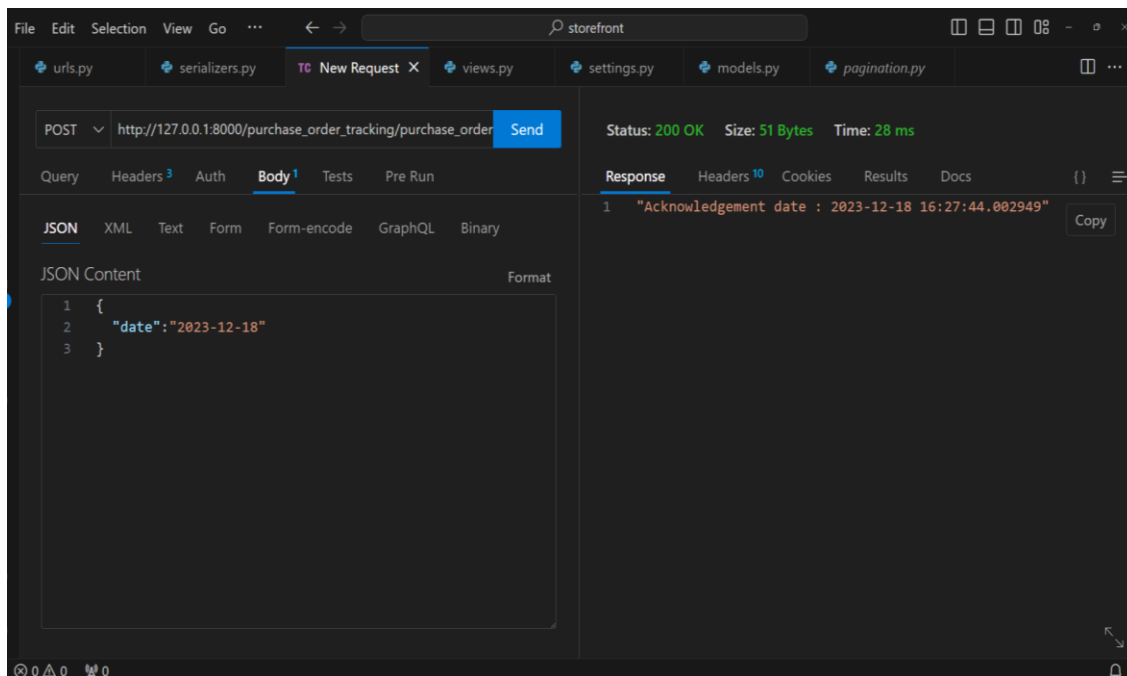

Test Case 14:

Endpoint: http://127.0.0.1:8000/ purchase_order_tracking/purchase_orders/<po_number>/acknowledge

Request Method: POST

To acknowledge a purchase order with user defined time

1) Enter the above endpoint in the api testing tool
2) Add the authorization header with the generated authentication token
3) Add date field with desired data in valid format (yy-mm-dd) in the request body
4) Hit the endpoint with POST request to see the response

Example:

Error Codes:

Error code: 400

Reason: if the endpoint is hit with incorrect or blank request body.
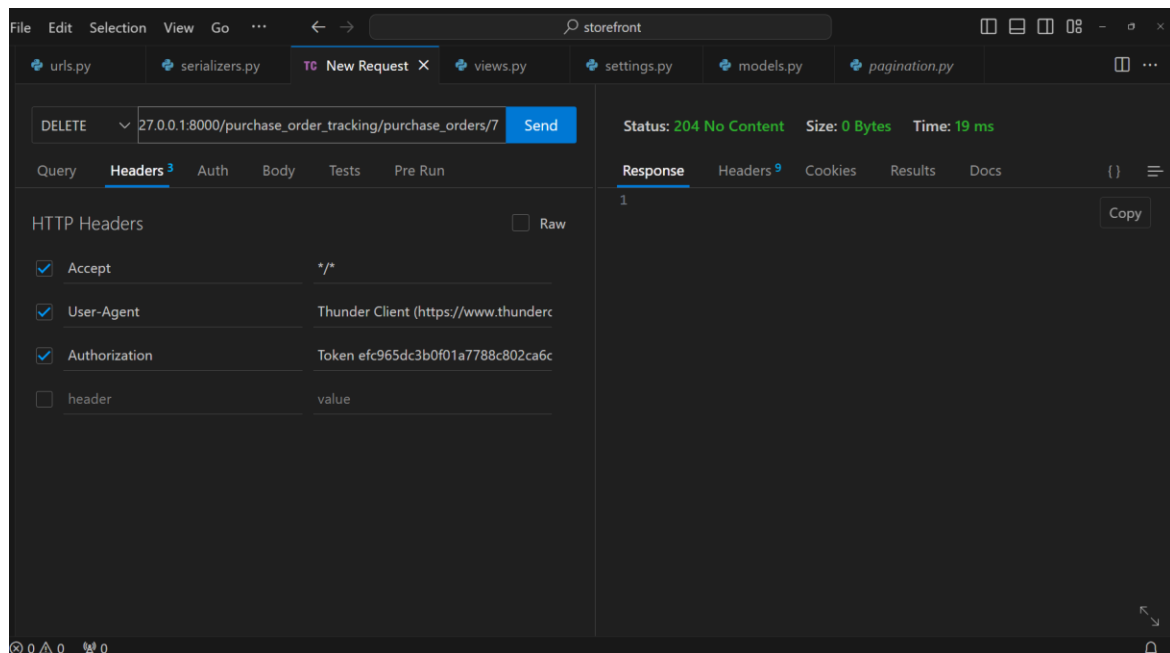
Test Case 15:

Endpoint: http://purchase_order_tracking/purchase_orders/<po_number>

Request Method: DELETE

To delete a specific vendor

1) Enter the above endpoint in the api testing tool
2) Add the authorization header with the generated authentication token
3) Hit the endpoint with DELETE method to see the response

Example:

Error code: 404

Reason: If entered url or vendor_code is invalid