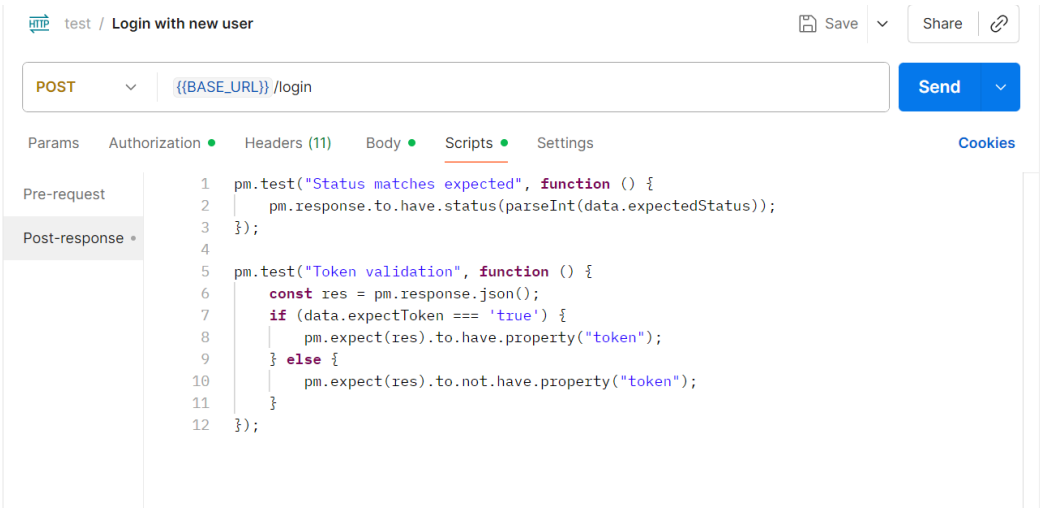
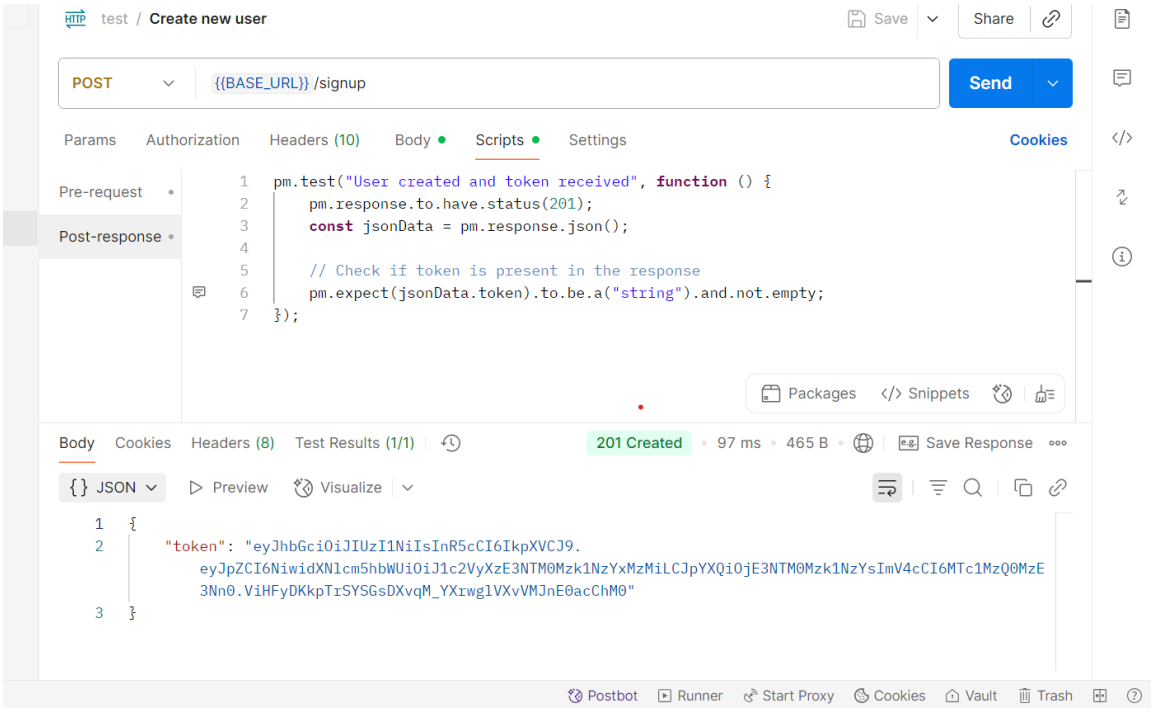
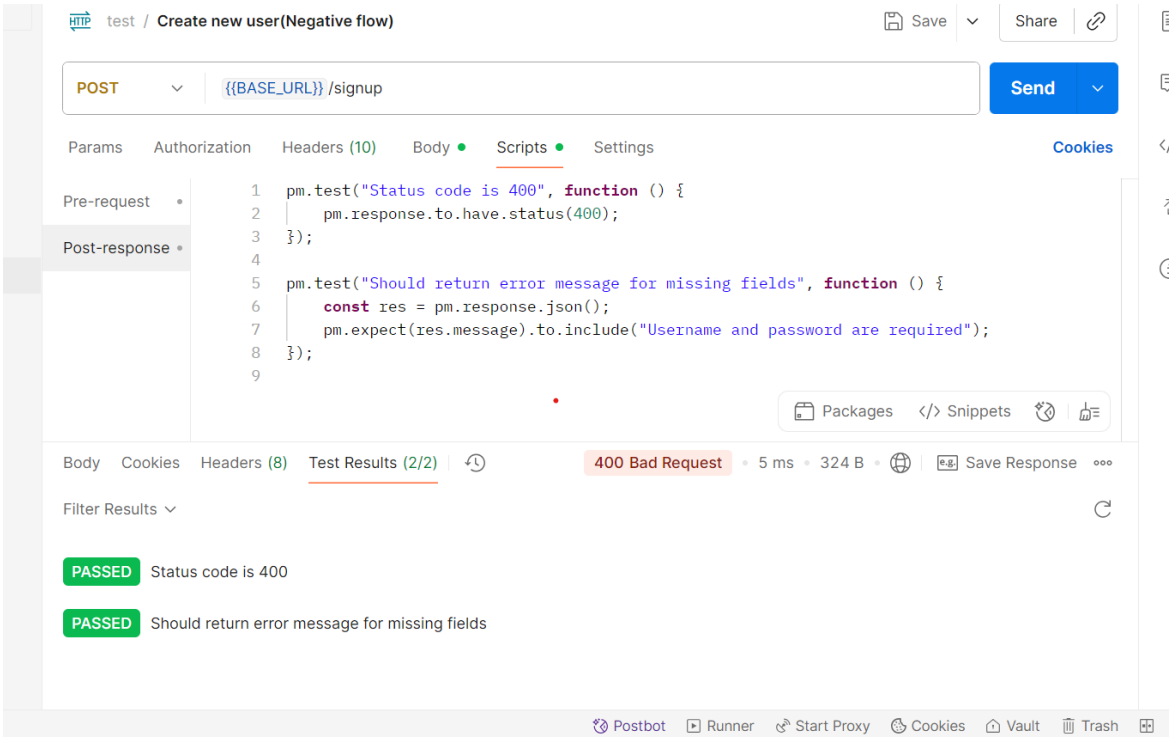
API test Automation using Postman

Made use of environment variables for this project. Also tests are written for every request i.e positive and negative tests.

- Login testflow with positive and negative testcases
  - Made the testcase parameterize with giving .csv file
  - Csv file data
    - username,password,expectedStatus,expectToken
    - validuser,correctpass,200,true
    - invalid_user,wrong_password,401,false
    - existing_user,anotherpass,409,false
    - ,blankpass,400,false
    - Userwithnpass,,400,false
  - 

- Create new user testcase
  - Wrote this without parameterize by sending the request twice so as it can be executed directly by clicking on Send
  - First is positive request

- 

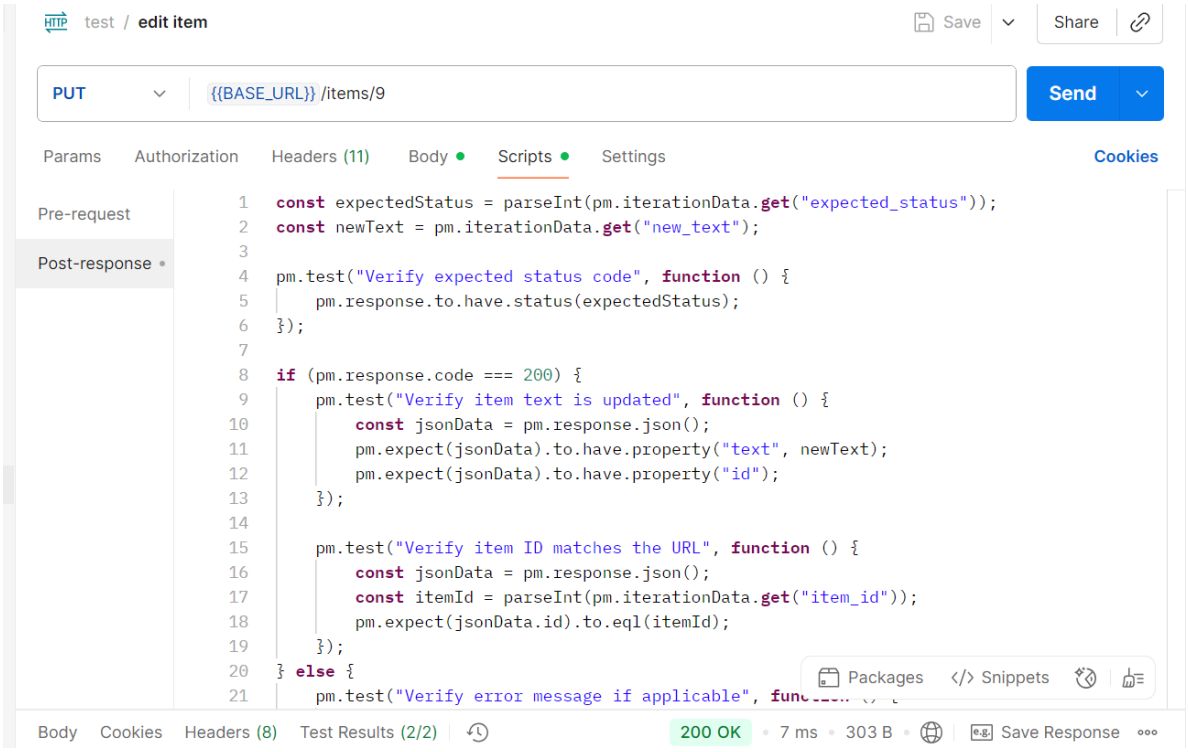
  - Second is the negative request where username is empty
  - 

  - Multiple more combinations can be done where username is empty , password is empty , both are empty , providing user that does not exist etc.
- Add item for existing user (Includes positive and negative tests)
  - Test data

```
item_text,expected_status
"test valid item",200
"",400
"    ",400
```

- Edit item (Added positive flows screenshots) (The collection has positive and negative testcases included)
  - Test data used

```
item_id,new_text,expected_status
3,test145,200
9999,invalid-edit,404
,missing-id,400
```

- 

- Delete item
  - The testdata file looks like

```
item_id,expectedStatus,expectedMessage
3,200,Item deleted successfully
9999,404,Item not found
```

  - 

- Get item list


test / get item list
Save
Share
GET
{{BASE_URL}}/items
Send
Params
Authorization
Headers (9)
Body
Scripts
Settings
Cookies
Pre-request
Post-response
pm.test("Status code is 200", function () {
pm.response.to.have.status(200);
});
const responseData = pm.response.json();
const expectedText = pm.environment.get("item_text");
// verify the item added earleir is in the list
const itemFound = responseData.some(item => item.text === expectedText);
pm.test(`Item with text "${expectedText}" exists in response`, function () {
pm.expect(itemFound).to.be.true;
});
Packages
Snippets
Body
Cookies
Headers (8)
Test Results (2/2)
200 OK
4 ms
453 B
Save Response
Filter Results
PASSED
Status code is 200
PASSED
Item with text "test14" exists in response