SOEN 345 - Software Testing, Verification, and Quality Assurance
Assignment 7

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* NOTE *

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View Profile

Account Settings
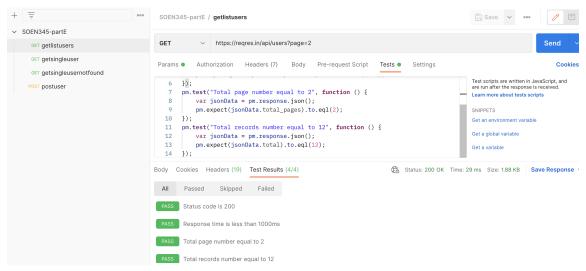
Notification Preferences

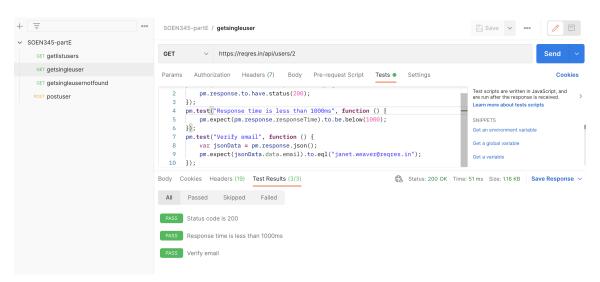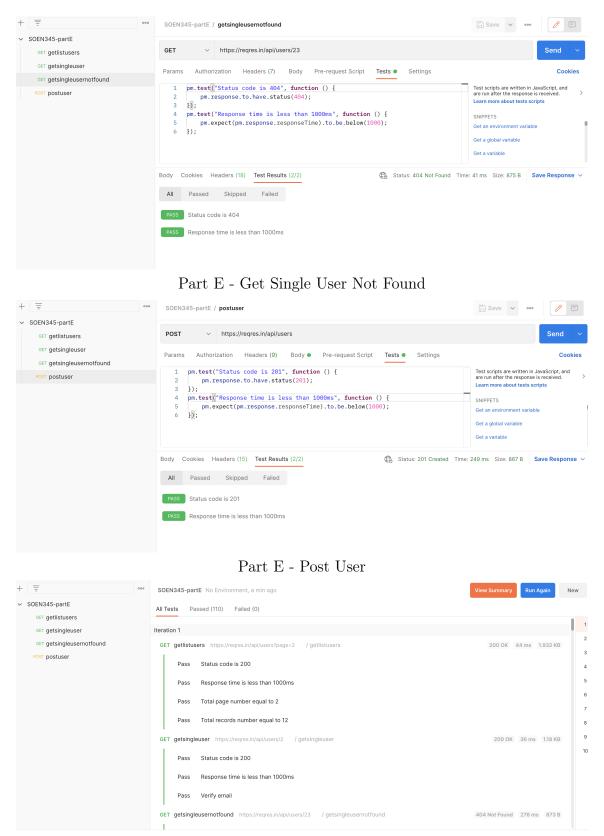**Active Sessions**

Sign Out

+ **Add a new account**

Here are the required screenshot showing that the different parts of the assignment were correctly executed.

Part E - Get List Users

Part E - Get Single Users

GET https://reqres.in/api/users/23 Send

Params Authorization Headers (7) Body Pre-request Script Tests Settings Cookies

```
1  pm.test("Status code is 404", function () {
2      pm.response.to.have.status(404);
3  });
4  pm.test("Response time is less than 1000ms", function () {
5      pm.expect(pm.response.responseTime).to.be.below(1000);
6  });
```

Test scripts are written in JavaScript, and are run after the response is received.
Learn more about tests scripts

SNIPPETS
Get an environment variable
Get a global variable
Get a variable

Body Cookies Headers (18) Test Results (2/2) Status: 404 Not Found Time: 41 ms Size: 875 B Save Response

All Passed Skipped Failed

PASS Status code is 404

PASS Response time is less than 1000ms

Part E - Get Single User Not Found

POST https://reqres.in/api/users Send

Params Authorization Headers (9) Body Pre-request Script Tests Settings Cookies

```
1  pm.test("Status code is 201", function () {
2      pm.response.to.have.status(201);
3  });
4  pm.test("Response time is less than 1000ms", function () {
5      pm.expect(pm.response.responseTime).to.be.below(1000);
6  });
```

Test scripts are written in JavaScript, and are run after the response is received.
Learn more about tests scripts

SNIPPETS
Get an environment variable
Get a global variable
Get a variable

Body Cookies Headers (15) Test Results (2/2) Status: 201 Created Time: 249 ms Size: 867 B Save Response

All Passed Skipped Failed

PASS Status code is 201

PASS Response time is less than 1000ms

Part E - Post User

SOEN345-partE No Environment, a min ago View Summary Run Again New

All Tests Passed (110) Failed (0)

Iteration 1

GET getlistusers https://reqres.in/api/users?page=2 / getlistusers 200 OK 44 ms 1.932 KB

Pass Status code is 200

Pass Response time is less than 1000ms

Pass Total page number equal to 2

Pass Total records number equal to 12

GET getsingleuser https://reqres.in/api/users/2 / getsingleuser 200 OK 36 ms 1.18 KB

Pass Status code is 200

Pass Response time is less than 1000ms

Pass Verify email

GET getsingleusernotfound https://reqres.in/api/users/23 / getsingleusernotfound 404 Not Found 276 ms 873 B

Part E - Collection was run (10 iterations, 1000ms delay)

Question 1

Using Postman makes it easy to write code first thanks to snippets that let you write pre-written or even you own tests seamlessly. You can also customize your tests and, for example, run multiple iterations to simply test the fiability of the results. You can easily export your tests and collections as JSON files and use them in your applications.

Question 2

- Postman: Is used to create and run tests on API. Postman also lets you build your own APIs.

- Selenium: Provides playback tools mainly aimed for front-end testing.

- JMeter: Is used for load and performance testing. It is specially aimed for web applications.

- Blazemeter: Another performance testing software.

Question 3

Postman is mainly used for API testing. API testing would fall under the category of component testing. Indeed, testing an API is a kind of black box testing where a system is isolated and solely the output is considered.