WRITEUP FOR CAPSTONEPROJECT

FOR SELENIUM PROGRAM

Create an instance of LandingPage.

2. Click on the "New Register" button on the Landing Page.

3. Create an instance of LoginPage.

4. Create an instance of RegisterPage.

a. Enter "sai" into the name field.

b. Enter "sai@gmail.com" into the email field.

c. Enter "12345678" into the password field.

d. Scroll down the page by 1000 pixels using JavaScript.

e. Click the "Register" button.

5. Wait for 2 seconds.

6. Create an instance of LoginPage.

a. Click the "Logout" button.

7. Enter "sai@gmail.com" into the email field on the LoginPage.

8. Wait for 2 seconds.

9. Enter "12345678" into the password field on the LoginPage.

10. Wait for 5 seconds.

11. Click the "Login" button on the LoginPage.

12. Wait for 2 seconds.

13. Scroll down the page by 1000 pixels using JavaScript.

14. Create an instance of AddToCart.

a. Click the "Add to Cart" button.

15. Wait for 4 seconds.

16. Create an instance of HomePage.

a. Click the "Home" button.

17. Create an instance of CartPage.

a. Click the "Cart" button.

18. Scroll down the page by 1000 pixels using JavaScript.

19. Wait for 5 seconds.

20. Create an instance of PlaceOrder.

a. Click the "Place Order" button.

POSTMAN WRITEUP

Creating Postman Scripts for API Testing:

1.Download and install Postman if not already done.

2.Create a new Postman Collection.

3.Add a request for each API endpoint:

4.Retrieve the list of all products: Set the request type to GET and URL to http://localhost:9010/get-shoes.

5.Retrieve the list of all registered users: Set the request type to GET and URL to http://localhost:9010/get-users.

6.Add a product: Set the request type to POST and URL to http://localhost:9010/add-shoe, along with required parameters in the request body

WRITEUP RESTASSURED

GETProducts Class:

This class contains a single test method named getServerResponse().

It sends an HTTP GET request to the endpoint http://localhost:9010/get-users.

It asserts that the response status code is 200 (OK).

It logs the entire response.

GETShoes Class:

Similar to the GETProducts class, this class contains a single test method named getServerResponse().

It sends an HTTP GET request to the endpoint http://localhost:9010/get-shoes.

It asserts that the response status code is 200 (OK).

It logs the entire response.

POSTSportShoe Class:

This class contains a single test method named getServerResponse().

It sends an HTTP POST request to the endpoint http://localhost:9010/add-shoe with query parameters (id, image, name, category, sizes, and price).

It asserts that the response status code is 200 (OK).

It logs the entire response.

Here's a high-level algorithm for each of the test methods:

For getServerResponse() methods in GETProducts and GETShoes classes:

Send an HTTP GET request to the specified endpoint.

Receive the response from the server.

Assert that the response status code is 200 (indicating a successful response).

Log the entire response, including headers and body.

For getServerResponse() method in POSTSportShoe class:

Construct an HTTP POST request with query parameters (id, image, name, category, sizes, price).

Send the HTTP POST request to the specified endpoint.

Receive the response from the server.

Assert that the response status code is 200 (indicating a successful response).

Log the entire response, including headers and body.

These test classes are designed to verify the functionality of the RESTful API endpoints by checking the response status codes and logging the responses. They do not perform any complex algorithmic operations but are important for testing the integration and correctness of API endpoints in your application.

JMETER WRITEUP

http://localhost:9010/

1.First Recorded the steps from registering to placing the order by using the blazemeter by using the above link

2.And then opened that recored. jmx in JMeter

3. Create a new JMeter Test Plan.

4.Add a Thread Group to simulate concurrent users.

5.Configure the Thread Group with the desired number of users, ramp-up period, and loop count

6.Add the listener

7.Add the View Results Tree

8.click on Run

GITHUB LINK

https://github.com/7870saikirangithub/CAPSTONPROJECT.git