ABSTRACT

The dynamic COVID-19 information website is a comprehensive platform that leverages a technology stack encompassing HTML, CSS, JavaScript, PHP, and MySQL. It serves as a valuable source of information regarding the COVID-19 pandemic while facilitating user engagement through account management, comments, and registrations. In addition to its interactive features, the website incorporates regular expression test cases for rigorous testing to ensure data integrity and security.The key components of this website include a homepage that provides essential COVID-19 statistics and information, a user registration form for individuals to create accounts, and a login system for registered users to access enhanced features such as commenting on articles. Real-time COVID-19 data is fetched and displayed through JavaScript, sourced from external APIs, and a MySQL database is utilized to securely store user account details and comments.The use of regular expressions in the website's design allows for the validation of user inputs, ensuring that data is accurate and secure. Test cases have been developed to assess the functionality of regular expressions, guaranteeing their effectiveness in data validation.

Keywords : Selenium, Testing, Test Cases.

CONTENTS

INTRODUCTION

The dynamic COVID-19 information website is a multifaceted online platform designed to provide real-time data and information regarding the COVID-19 pandemic. This website leverages a blend of web development technologies, including HTML, CSS, JavaScript, PHP, and a MySQL database. Its primary objectives are to disseminate critical information about the pandemic and to foster user interaction through features such as user account management, comments, and user registration. Additionally, the incorporation of regular expression test cases plays a pivotal role in ensuring data accuracy and security.

In conclusion, the dynamic COVID-19 information website is an all-encompassing online platform that combines a variety of web development technologies to offer critical information on the pandemic while promoting user engagement. Regular expression test cases ensure data accuracy and security, making the website a reliable and interactive resource for users during the ongoing pandemic.

PROBLEM STATEMENT

Dynamic website of covid-19 information using HTML, CSS, JAVASCRIPT And PHP, MySQL database used to store user account, comment, and registration form details. Regular Expression testcases for testing purpose.

Implementation

When making website following technique is use:-

Key Technologies Used
HTML (Hypertext Markup Language): HTML forms the foundational structure of webpages, allowing for content presentation and layout design.

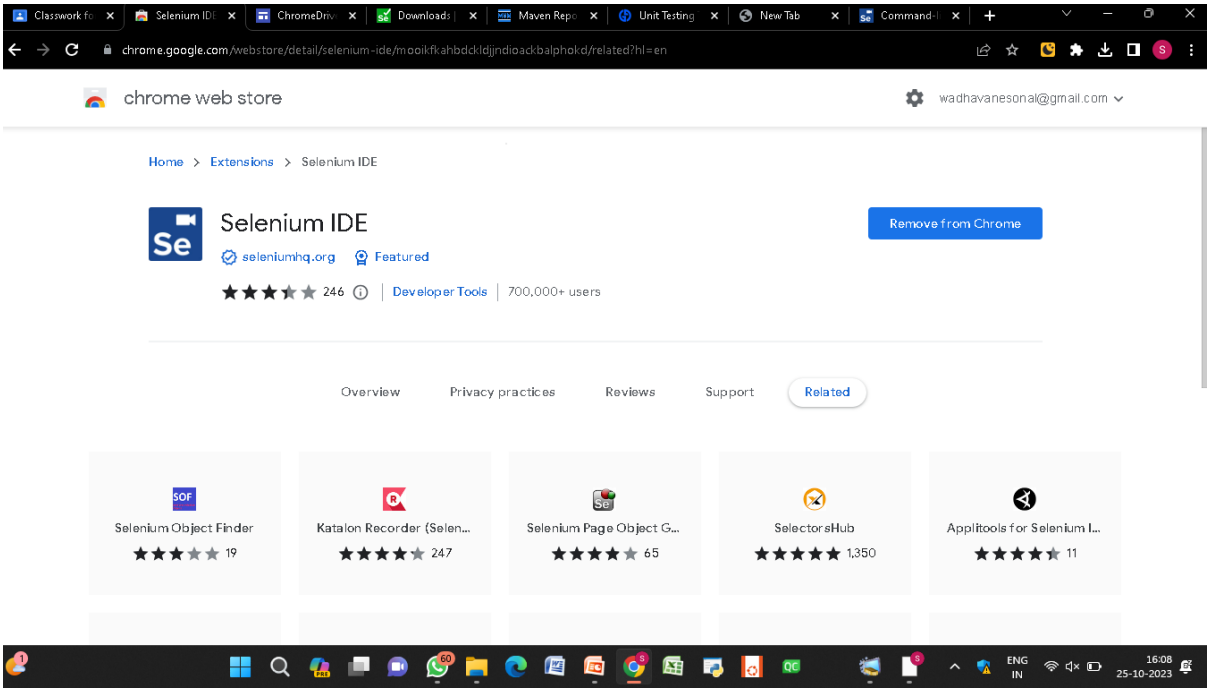
CSS (Cascading Style Sheets): CSS is utilized to enhance the visual aesthetics of the website, providing styling and layout design to improve the user experience.

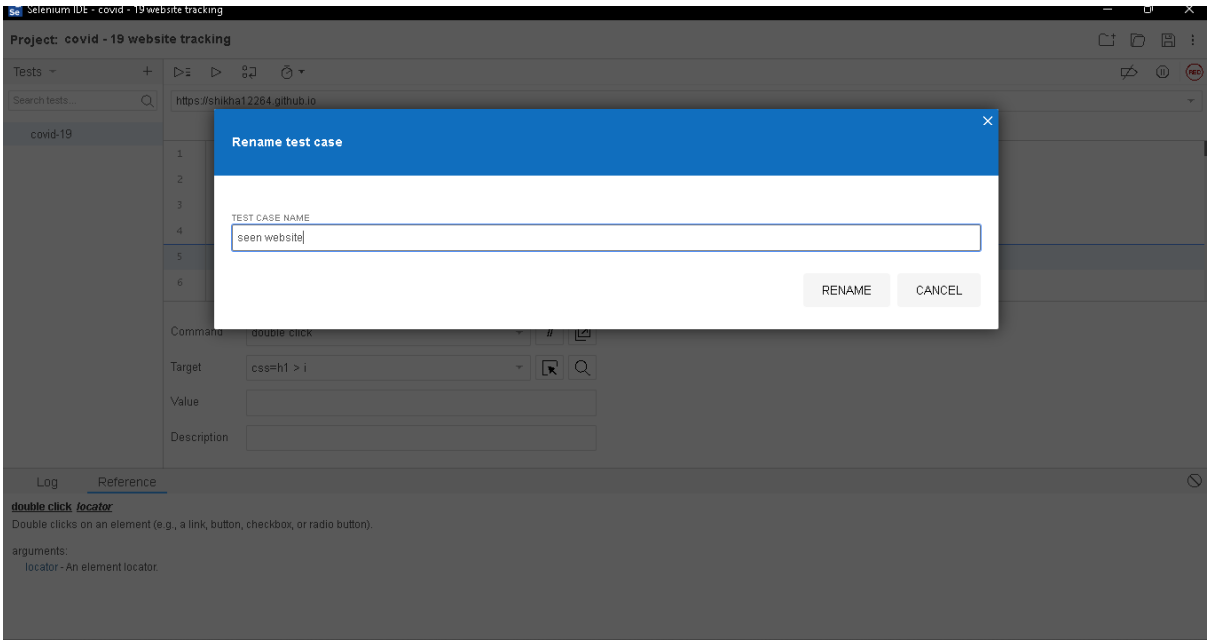
JavaScript: JavaScript serves as the backbone of client-side interactivity, enabling data validation and enhancing the overall user experience.

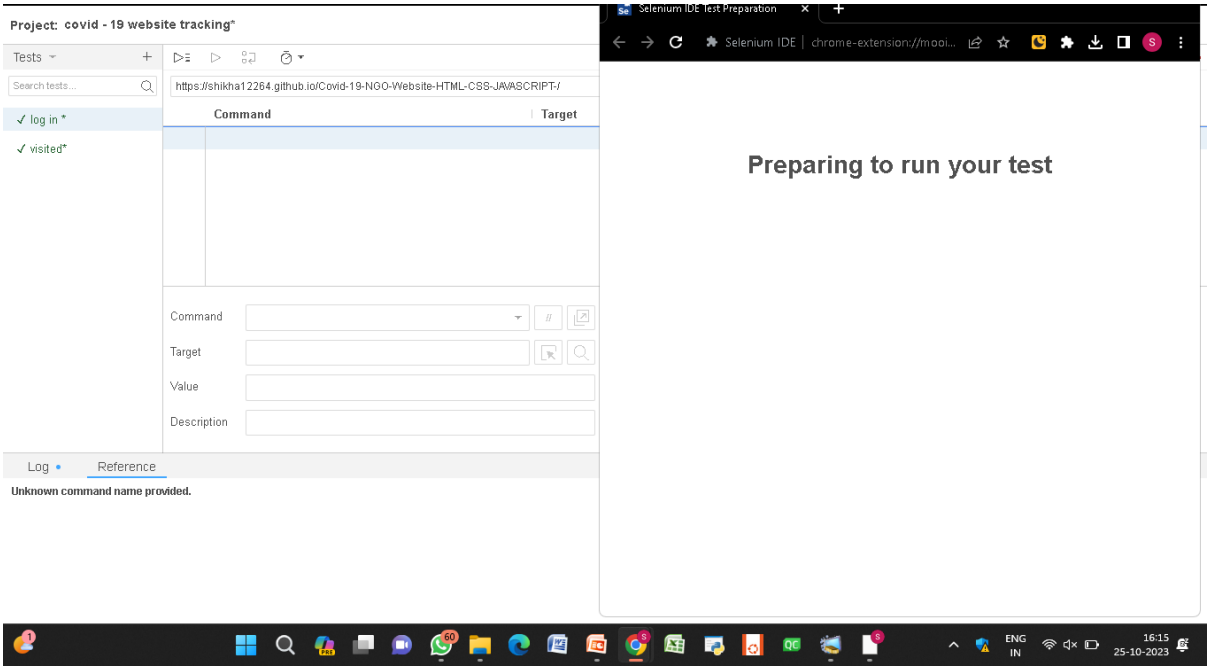
PHP (Hypertext Preprocessor): PHP functions as the server-side scripting language responsible for interacting with the MySQL database and generating dynamic content.

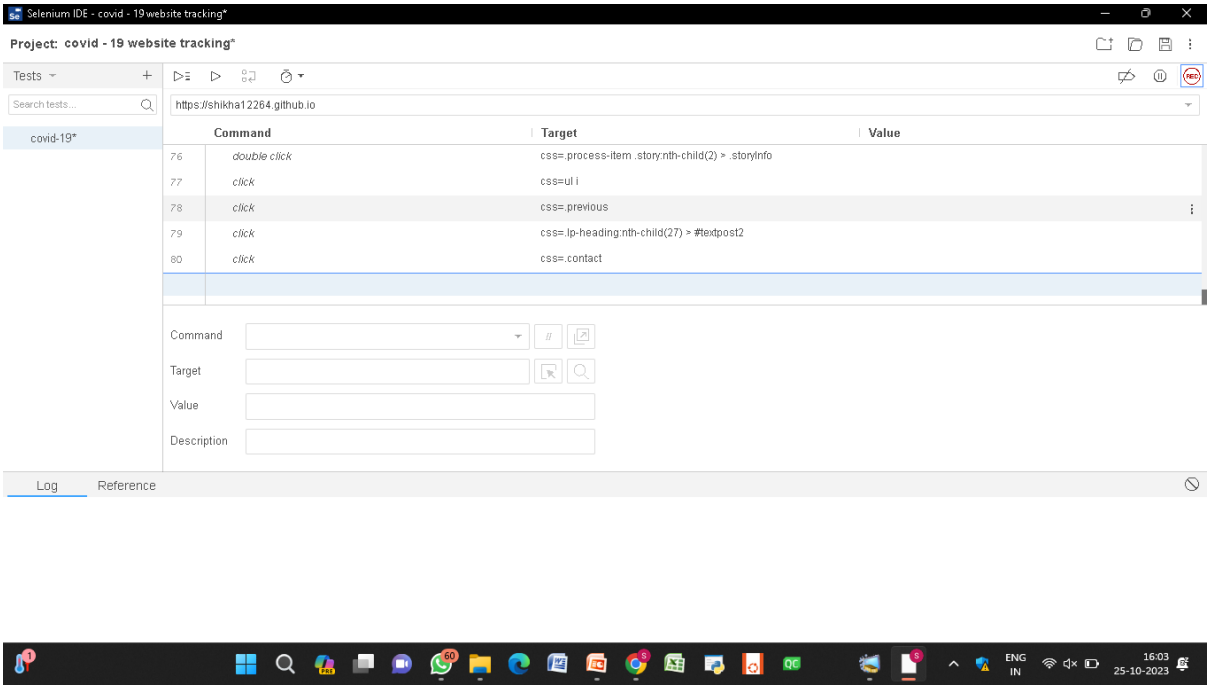
MySQL Database: MySQL is employed as a robust relational database management system to securely store user account details, comments, and registration form data.

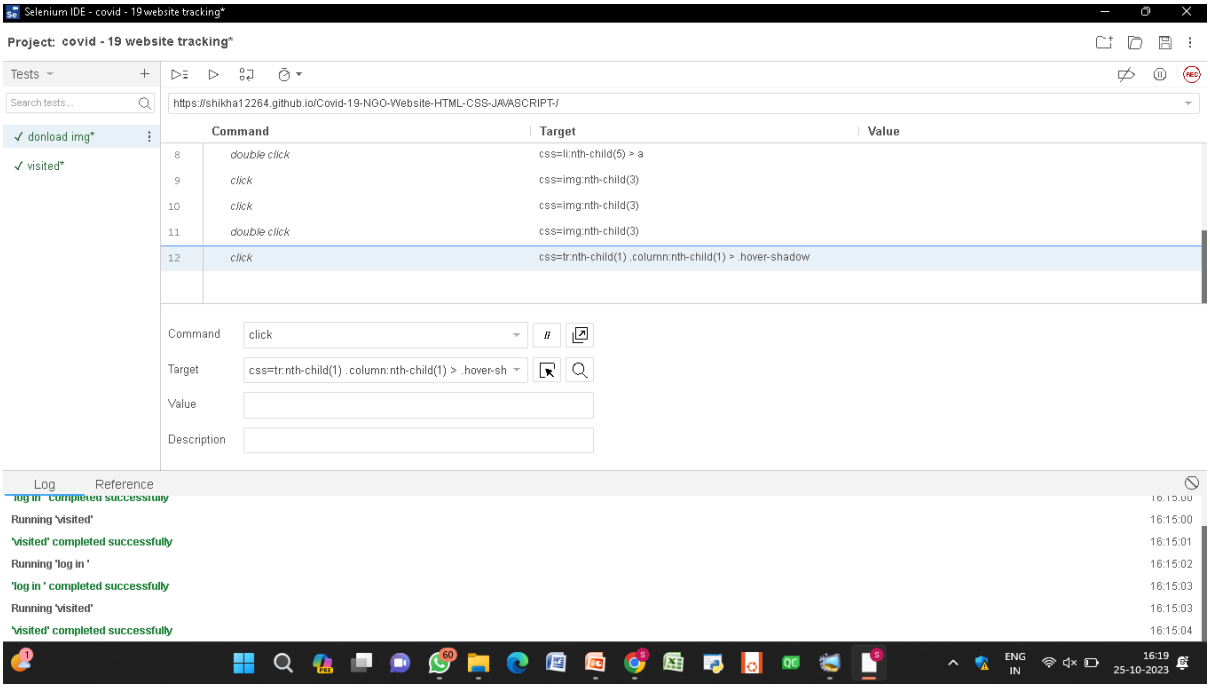
RESULT / OUTPUT

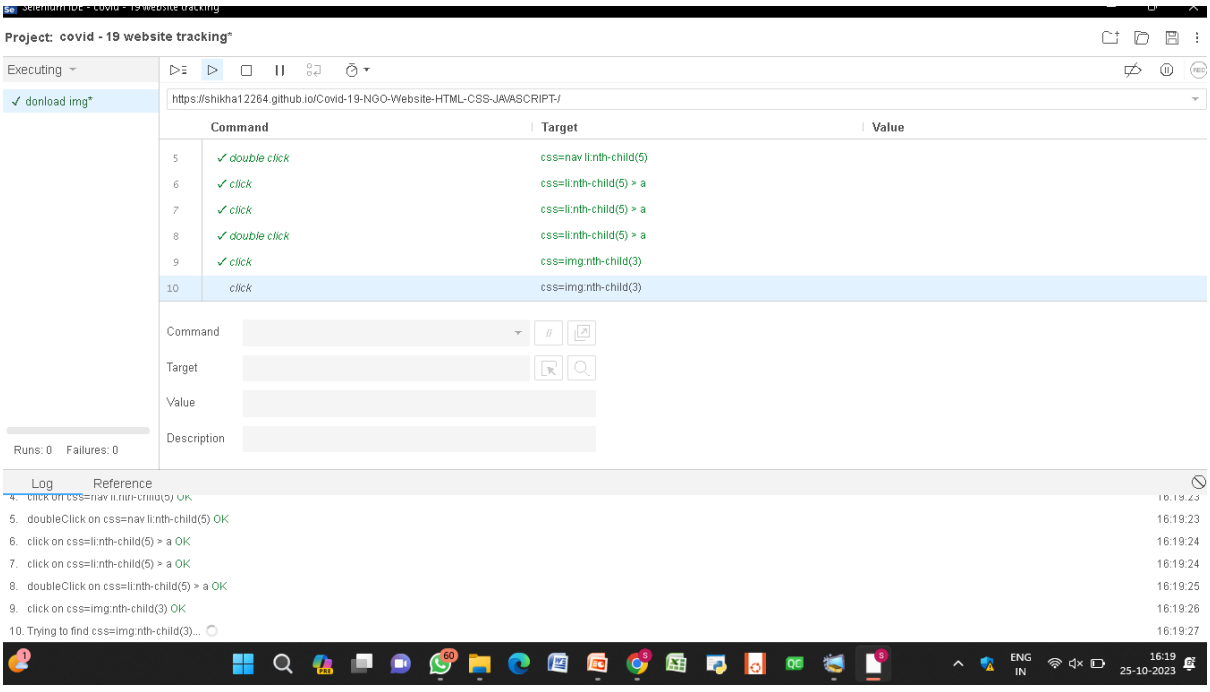


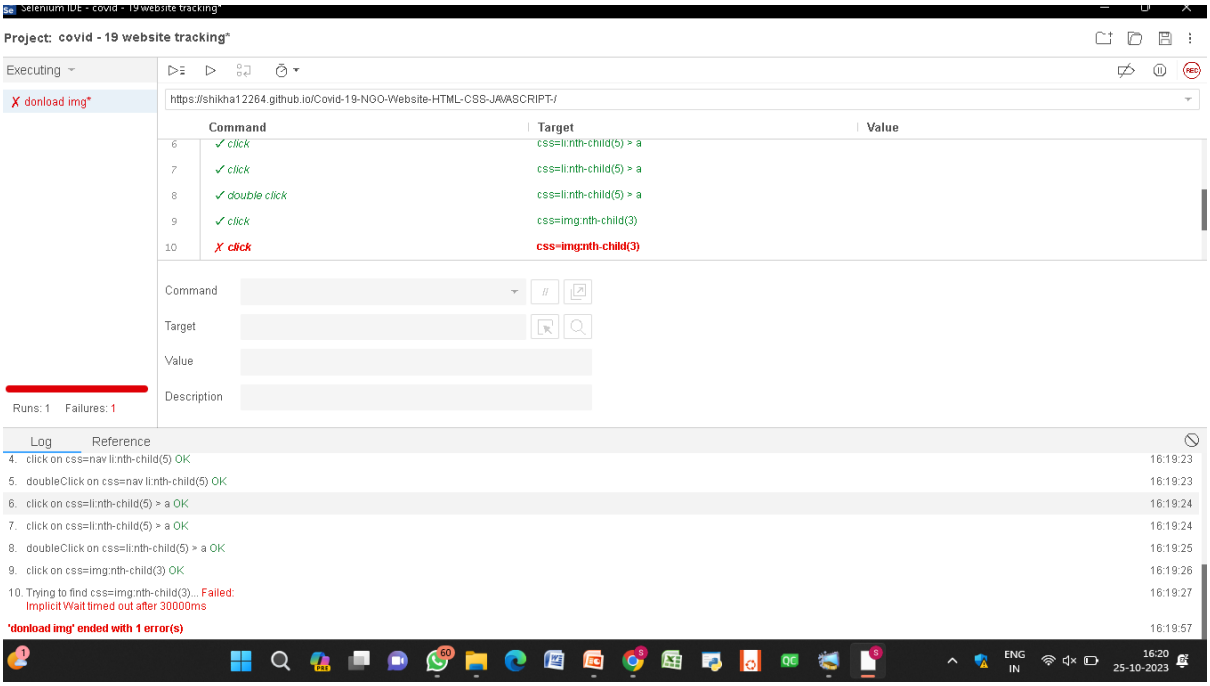


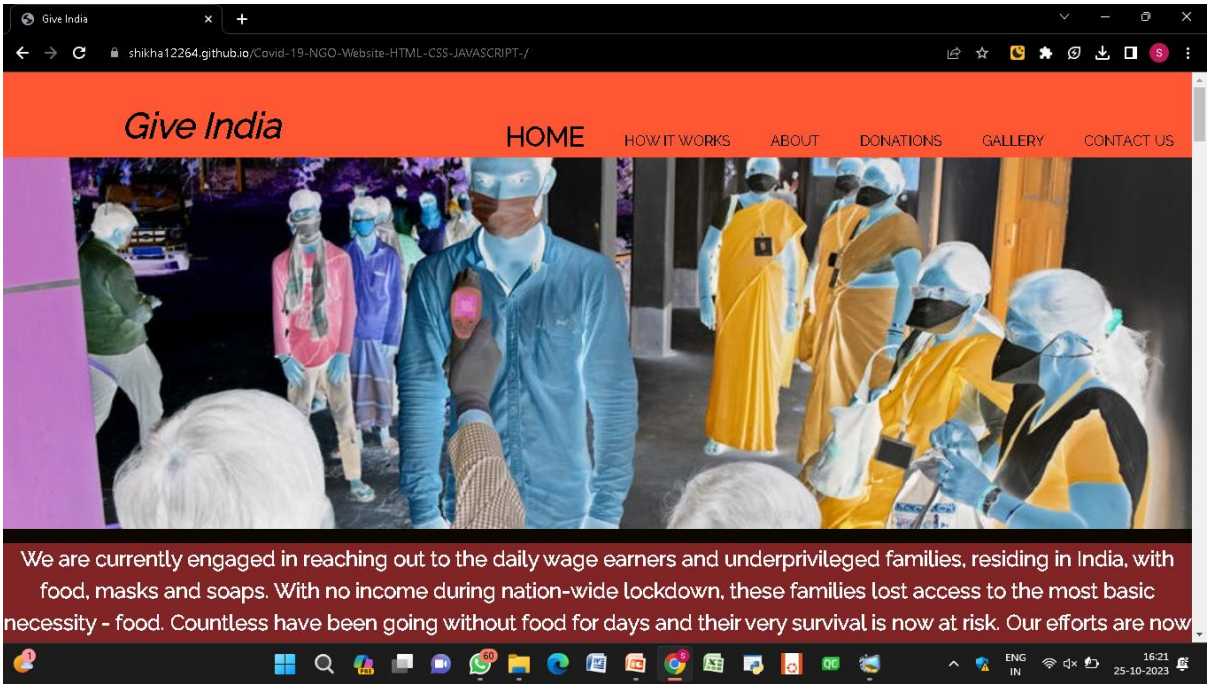

Project: covid - 19 website tracking*
Tests
Search tests...
log in *
visited*
https://shikha12264.github.io/Covid-19-NGO-Website-HTML-CSS-JAVASCRIPT-/
Command
Target
Value
Description
Log
Reference
Unknown command name provided.
Selenium IDE Test Preparation
Selenium IDE | chrome-extension://mooi...
Preparing to run your test


Selenium IDE - covid - 19 website tracking*
Project: covid - 19 website tracking*
Tests
Search tests...
covid-19*
https://shikha12264.github.io
Command
Target
Value
76 double click css=.process-item .story:nth-child(2) > .storyInfo
77 click css=ul i
78 click css=.previous
79 click css=.lp-heading:nth-child(27) > #textpost2
80 click css=.contact
Command
Target
Value
Description
Log
Reference


Selenium IDE - covid - 19 website tracking*
Project: covid - 19 website tracking*
Tests
Search tests...
✓ donload img*
✓ visited*
https://shikha12264.github.io/Covid-19-NGO-Website-HTML-CSS-JAVASCRIPT-/
Command
Target
Value
8 double click css=li:nth-child(5) > a
9 click css=img:nth-child(3)
10 click css=img:nth-child(3)
11 double click css=img:nth-child(3)
12 click css=tr:nth-child(1) .column:nth-child(1) > .hover-shadow
Command click
Target css=tr:nth-child(1) .column:nth-child(1) > .hover-sh
Value
Description
Log
Reference
Running 'visited'
'visited' completed successfully
Running 'log in '
'log in ' completed successfully
Running 'visited'
'visited' completed successfully
16:15:00
16:15:01
16:15:02
16:15:03
16:15:03
16:15:04
ENG
IN
16:19
25-10-2023


Project: covid - 19 website tracking*
Executing
✓ donload img*
https://shikha12264.github.io/Covid-19-NGO-Website-HTML-CSS-JAVASCRIPT-/
Command
Target
Value
5 ✓ double click css=nav li:nth-child(5)
6 ✓ click css=li:nth-child(5) > a
7 ✓ click css=li:nth-child(5) > a
8 ✓ double click css=li:nth-child(5) > a
9 ✓ click css=img:nth-child(3)
10 click css=img:nth-child(3)
Command
Target
Value
Description
Runs: 0 Failures: 0
Log
Reference
5. doubleClick on css=nav li:nth-child(5) OK
6. click on css=li:nth-child(5) > a OK
7. click on css=li:nth-child(5) > a OK
8. doubleClick on css=li:nth-child(5) > a OK
9. click on css=img:nth-child(3) OK
10. Trying to find css=img:nth-child(3)...
16:19:23
16:19:24
16:19:24
16:19:25
16:19:26
16:19:27
ENG
IN
16:19
25-10-2023


Project: covid - 19 website tracking*
Executing
X donload img*
https://shikha12264.github.io/Covid-19-NGO-Website-HTML-CSS-JAVASCRIPT-/
Command
Target
Value
6 ✓ click css=li:nth-child(5) > a
7 ✓ click css=li:nth-child(5) > a
8 ✓ double click css=li:nth-child(5) > a
9 ✓ click css=img:nth-child(3)
10 X click css=img:nth-child(3)
Command
Target
Value
Description
Runs: 1 Failures: 1
Log Reference
4. click on css=nav li:nth-child(5) OK 16:19:23
5. doubleClick on css=nav li:nth-child(5) OK 16:19:23
6. click on css=li:nth-child(5) > a OK 16:19:24
7. click on css=li:nth-child(5) > a OK 16:19:24
8. doubleClick on css=li:nth-child(5) > a OK 16:19:25
9. click on css=img:nth-child(3) OK 16:19:26
10. Trying to find css=img:nth-child(3)... Failed: 16:19:27
Implicit Wait timed out after 30000ms
'donload img' ended with 1 error(s) 16:19:57


Give India
shikha12264.github.io/Covid-19-NGO-Website-HTML-CSS-JAVASCRIPT-/
Give India
HOME
HOW IT WORKS
ABOUT
DONATIONS
GALLERY
CONTACT US
We are currently engaged in reaching out to the daily wage earners and underprivileged families, residing in India, with food, masks and soaps. With no income during nation-wide lockdown, these families lost access to the most basic necessity - food. Countless have been going without food for days and their very survival is now at risk. Our efforts are now

CONCLUSION

In conclusion, the dynamic COVID-19 information website offers a dynamic and engaging platform for users to access COVID-19 information while actively participating through comments. The combination of HTML, CSS, JavaScript, PHP, and Mysql provides a seamless user experience, and regular expression test cases enhance the website's security and data integrity. This multifaceted approach ensures a reliable source of information and interaction during the ongoing pandemic.Successfully done testing on covid-19 website with selenium extension.