

SauceLab Support Tech Test

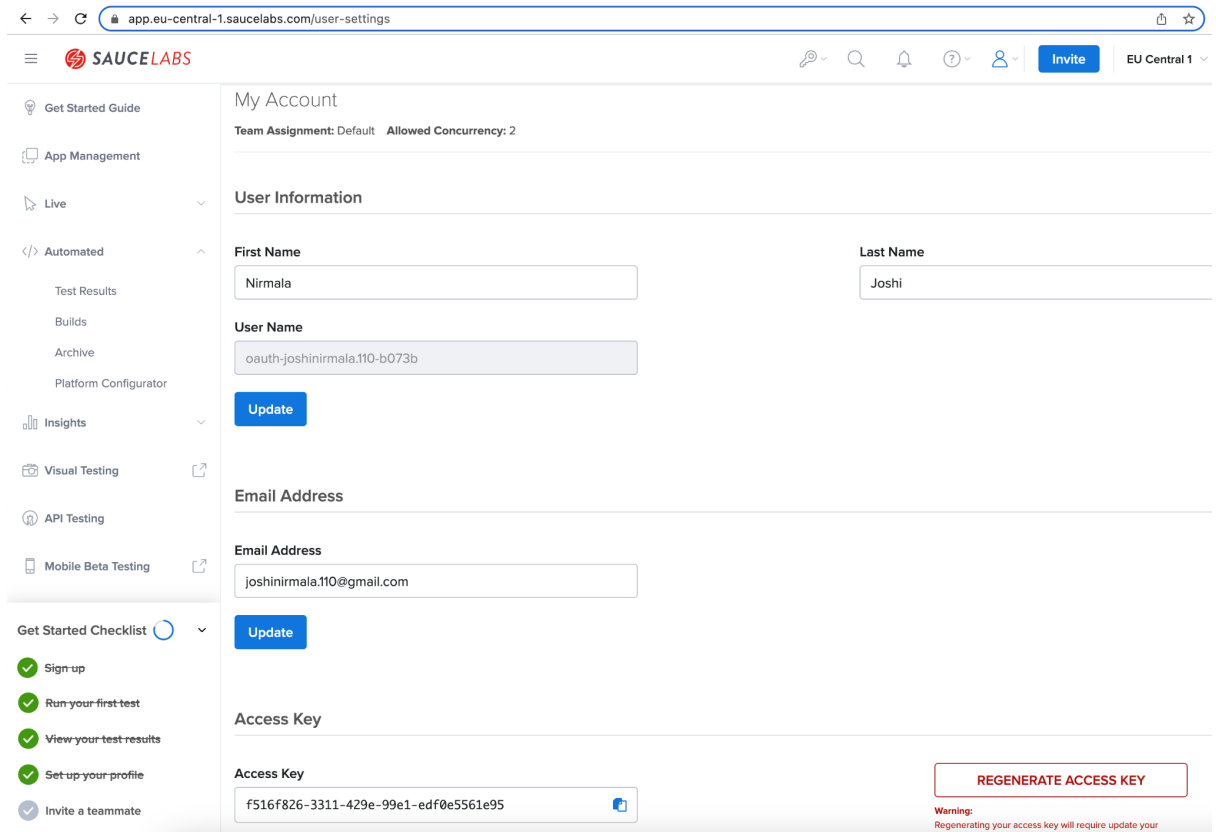
Name: **Nirmala Joshi**

Email: **joshinirmala.110@gmail.com**

The intention of this document is to demonstrate how I performed all the scenarios or outlined tasks in the SauceLab Support Tech Test.

How to Setup Sauce Lab Env?

- Created a trial account on the saucelabs.com



The screenshot shows the 'My Account' settings page in the Sauce Labs dashboard. The browser address bar displays 'app.eu-central-1.saucelabs.com/user-settings'. The left sidebar contains navigation links: 'Get Started Guide', 'App Management', 'Live', 'Automated' (with sub-links for 'Test Results', 'Builds', 'Archive', and 'Platform Configurator'), 'Insights', 'Visual Testing', 'API Testing', and 'Mobile Beta Testing'. Below these is a 'Get Started Checklist' with five items: 'Sign-up', 'Run your first test', 'View your test results', 'Set up your profile', and 'Invite a teammate'. The main content area is titled 'My Account' and shows 'Team Assignment: Default' and 'Allowed Concurrency: 2'. It has three sections: 'User Information' with fields for 'First Name' (Nirmala), 'Last Name' (Joshi), and 'User Name' (oauth-joshinirmala.110-b073b), each with an 'Update' button; 'Email Address' with a field containing 'joshinirmala.110@gmail.com' and an 'Update' button; and 'Access Key' with a field containing 'f516f826-3311-429e-99e1-edf0e5561e95' and a 'REGENERATE ACCESS KEY' button. A warning message at the bottom right states: 'Warning: Regenerating your access key will require update your tests to use the new key.' The top right of the dashboard shows an 'Invite' button and the current environment 'EU Central 1'.

- Copied the Access Key, User Name and Ondemand URL from the User Settings section.
- Exported the Env Variable into the system
SAUCE_USERNAME = oauth-joshinirmala.110-xxxx
SAUCE_ACCESS_KEY = <>
- Accessed the dashboard at <https://app.eu-central-1.saucelabs.com/dashboard/tests/vdc>

WorkingSauce Test

Covering all 5 tasks outlined in the WorkingSauce test section.

Task 1

Objective:

Update the test code so when it runs, the test clicks the "I am a link" link.

Code

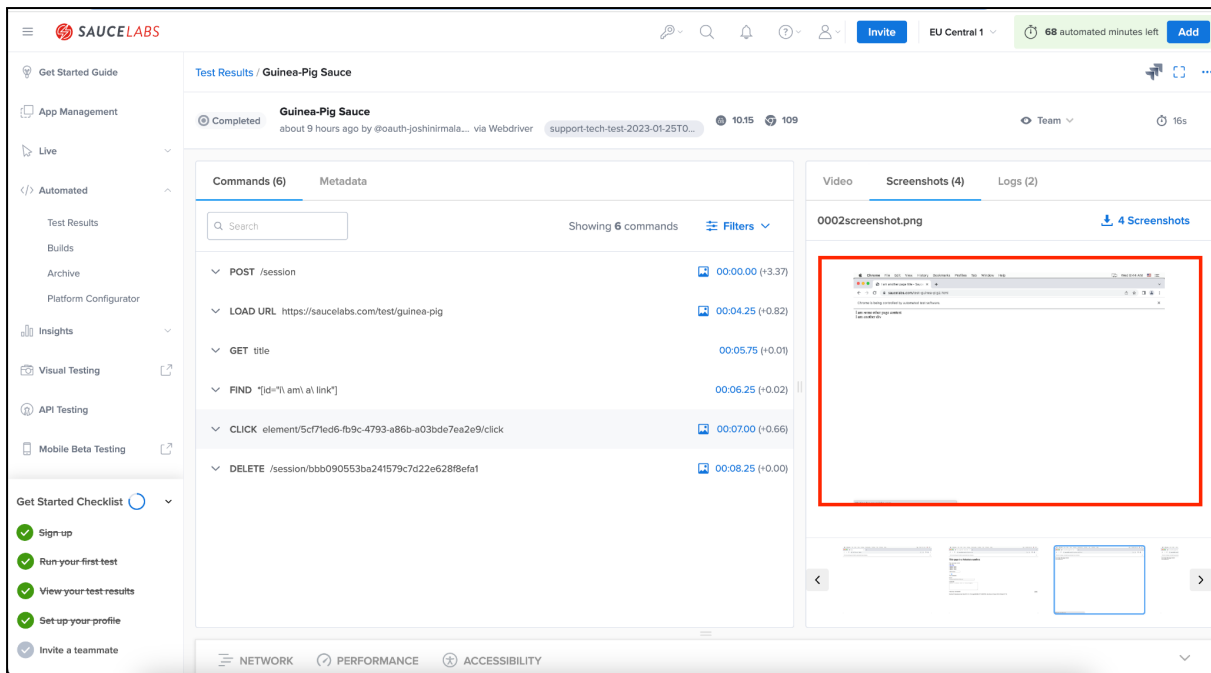
```
/**
 *
 * var clickable = await driver.findElement(By.id("i am a link"));
 * // find right element ByID from page
 * console.log(clickable);
 * //logging the ID to a console
 * await clickable.click();
 * // wait till it clicks on Link
 */
```

Result

The screenshot displays the Sauce Labs interface for a test run titled "Guinea-Pig Sauce". The test is marked as "Completed" and was run "about 9 hours ago by @oauth-joshinimala... via Webdriver". The test duration is 10.15 minutes, and there are 109 screenshots. The left sidebar shows various navigation options like "Get Started Guide", "App Management", "Live", "Automated", "Test Results", "Builds", "Archive", "Platform Configurator", "Insights", "Visual Testing", "API Testing", "Mobile Beta Testing", and a "Get Started Checklist". The main content area shows the "Commands (6)" tab, listing the following commands:

- POST /session (00:00.00 (+3.37))
- LOAD URL https://saucelabs.com/test/guinea-pig (00:04.25 (+0.82))
- GET title (00:05.75 (+0.01))
- FIND "[id='i am a link']" (00:06.25 (+0.02))
- CLICK element/5cf71ed6-fb9c-4793-a86b-a03bde7ea2e9/click (00:07.00 (+0.66))
- DELETE /session/bbb090553ba241579c7d22e6288befa1 (00:08.25 (+0.00))

A red box highlights the "CLICK" command. To the right, the "Screenshots (4)" tab is active, showing a screenshot of the test environment. A red box highlights the "I am a link" link in the screenshot.



References used

- <https://saucelabs.com/blog/the-selenium-click-command>

Task 2

Objective

Update the test code so when it runs,

- the test is able to write "Sauce" in the text box that currently says "I has no focus".

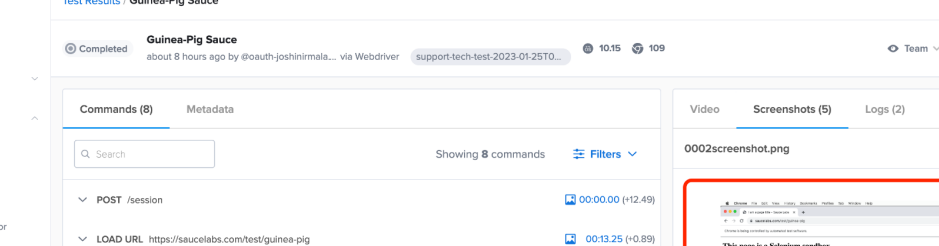
Code:

```
/**
    await driver.findElement(By.id("i_am_a_textbox")).clear();
    // Clear the textbox field
    await driver.findElement(By.id("i_am_a_textbox")).sendKeys("Sauce");
    // Set the specific text to Textbox (Sauce)
*/
```

The screenshot displays the Sauce Labs interface for a test run titled "Guinea-Pig Sauce". The "Commands" tab is selected, showing a list of 8 commands. A red box highlights the first four commands:

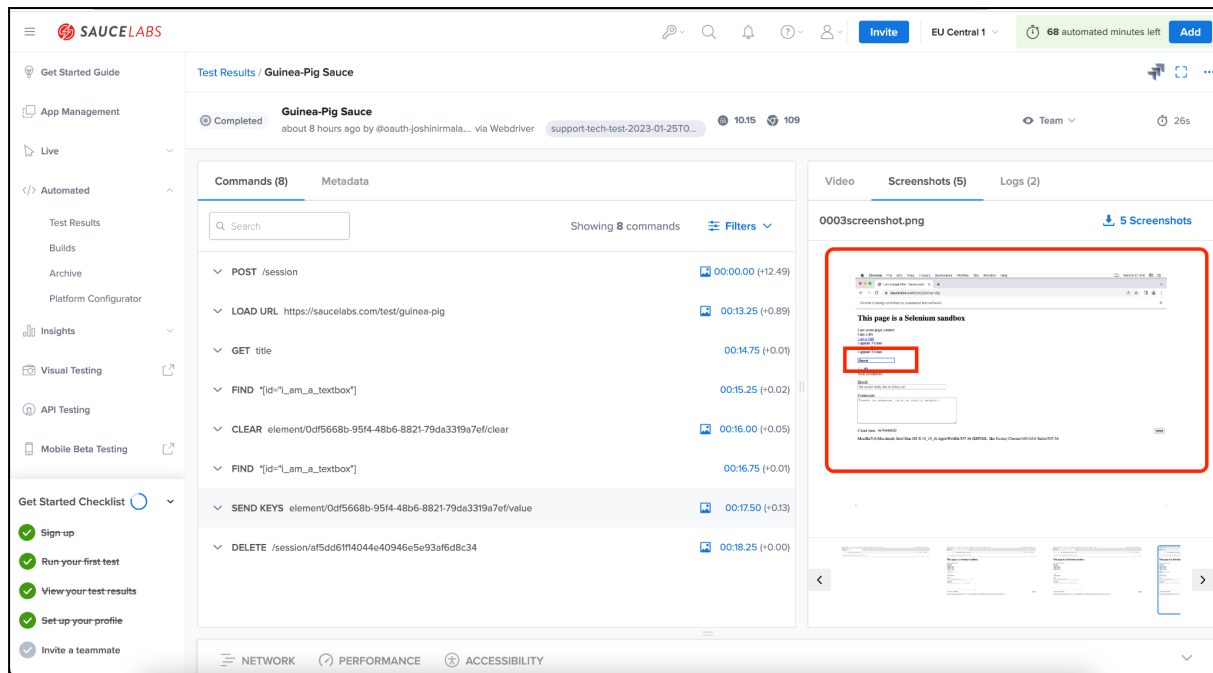
- POST /session (00:00.00 +12.49s)
- LOAD URL https://saucelabs.com/test/guinea-pig (00:13.25 +0.89s)
- GET title (00:14.75 +0.01s)
- FIND "[id='am_a_textbox']" (00:15.25 +0.02s)

The "Screenshots" tab is also visible, showing a screenshot of the application under test. The interface includes a sidebar with navigation options like "Get Started Guide", "App Management", "Live", "Automated", "Test Results", "Builds", "Archive", "Platform Configurator", "Insights", "Visual Testing", "API Testing", and "Mobile Beta Testing". The top bar shows the Sauce Labs logo, search, navigation, and user information.



The screenshot displays the Sauce Labs Test Results interface for a test named 'Guinea-Pig Sauce'. The left sidebar contains navigation links for 'Get Started Guide', 'App Management', 'Live', 'Automated', 'Test Results', 'Builds', 'Archive', 'Platform Configurator', 'Insights', 'Visual Testing', 'API Testing', and 'Mobile Beta Testing'. The main content area shows the test results, including a list of commands and their execution times. A red box highlights a screenshot of the test results, showing the text 'This page is a Selenium sandbox' and a red box around the 'Selenium' section.

Commands (8)	Metadata
POST /session	00:00.00 (+12.49)
LOAD URL https://saucelabs.com/test/guinea-pig	00:13.25 (+0.89)
GET title	00:14.75 (+0.01)
FIND "[id='am_a_textbox']"	00:15.25 (+0.02)
CLEAR element/0df566b6-95f4-48b6-8821-79da3319a7ef/clear	00:16.00 (+0.05)
FIND "[id='am_a_textbox']"	00:16.75 (+0.01)
SEND KEYS element/0df566b6-95f4-48b6-8821-79da3319a7ef/value	00:17.50 (+0.13)
DELETE /session/af5dd61f4044e40946e5e93af6d8c34	00:18.25 (+0.00)



References used

- https://www.selenium.dev/documentation/webdriver/getting_started/first_script/

Task 3

Objective

Update the test code so when it runs, it adds an email to the email field,

- adds text to the comments field, and clicks the "Send" button.
- Note that email will not actually be sent!

Code

```
/**
 *
 * var clickable = await driver.findElement(By.id("submit"));
 * // Find Id of Send Button
 *
 * await driver.findElement(By.id("fbemail")).clear();
 * // clear the email textbox
 * await driver.findElement(By.id("fbemail")).sendKeys("jon.doe@gmail.com");
 * // Type in email address in the email textbox
 *
 * await driver.findElement(By.id("comments")).clear();
 * // clear the comment textbox
 */
```

```

await driver.findElement(By.id("comments")).sendKeys("Dummy Comment for
Sauce Testing");    // add the comment to textbox

await clickable.click();    // Click on Send button

*/

```

Result

Test Results / Guinea-Pig Sauce

Completed about 7 hours ago by @oath-joshinimala.1... via Webdriver support-tech-test-2023-01-25T1... 10.15 109 Team 31s

Commands (14) Metadata

Showing 14 commands Filters

- CLEAR element/b987df0-48cf-4658-bc71-beb01339a314/clear 00:15.50 (+0.05)
- FIND "[id='fbemail']" 00:16.25 (+0.01)
- SEND KEYS element/b987df0-48cf-4658-bc71-beb01339a314/value 00:17.00 (+0.14)
- FIND "[id='comments']" 00:17.75 (+0.02)
- CLEAR element/a94e27ec-ca04-44f3-829c-eba6733d4aac/clear 00:18.50 (+0.03)
- FIND "[id='comments']" 00:19.25 (+0.01)
- SEND KEYS element/a94e27ec-ca04-44f3-829c-eba6733d4aac/value 00:20.00 (+0.15)
- CLICK element/5dac47c8-f7cd-4ddf-bcb1-396f8a04aca9/click 00:20.75 (+0.07)
- DELETE /session/ac787376cd54420198dd59a8aad7efd 00:21.50 (+0.00)

Screenshots (8) Logs (2)

0006screenshot.png 8 Screenshots

This page is a Selenium sandbox

Test Results / Guinea-Pig Sauce

Completed about 7 hours ago by @oath-joshinimala.1... via Webdriver support-tech-test-2023-01-25T1... 10.15 109 Team 31s

Commands (14) Metadata

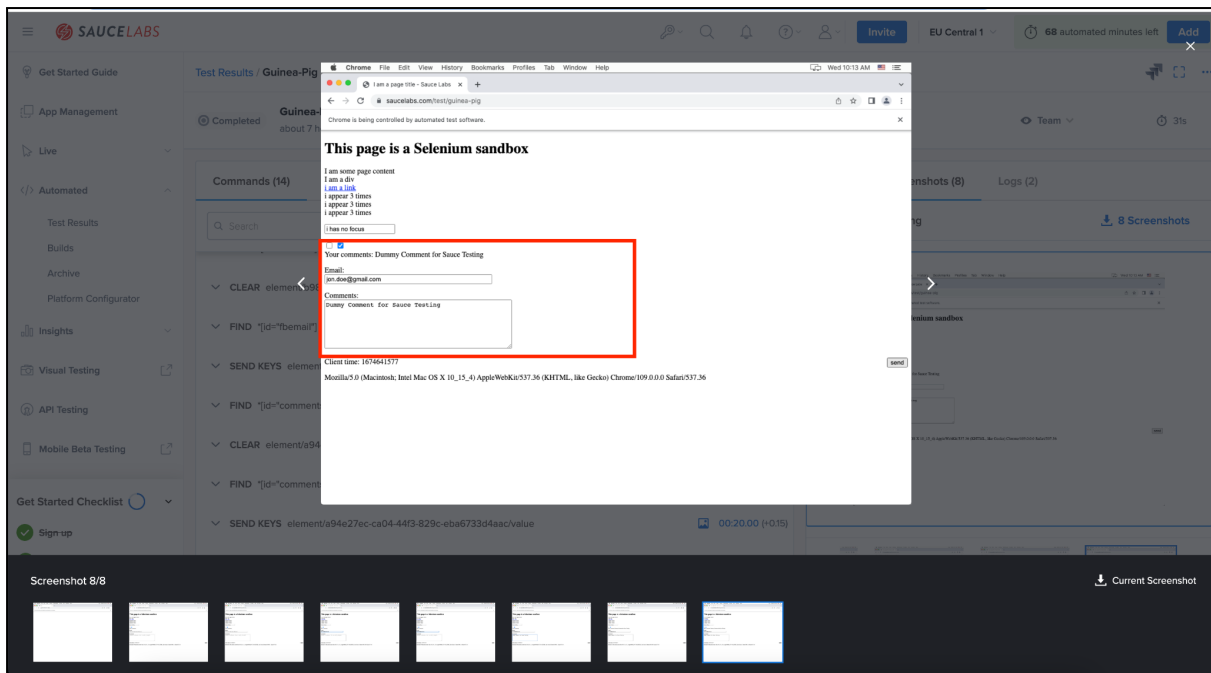
Showing 14 commands Filters

- CLEAR element/b987df0-48cf-4658-bc71-beb01339a314/clear 00:15.50 (+0.05)
- FIND "[id='fbemail']" 00:16.25 (+0.01)
- SEND KEYS element/b987df0-48cf-4658-bc71-beb01339a314/value 00:17.00 (+0.14)
- FIND "[id='comments']" 00:17.75 (+0.02)
- CLEAR element/a94e27ec-ca04-44f3-829c-eba6733d4aac/clear 00:18.50 (+0.03)
- FIND "[id='comments']" 00:19.25 (+0.01)
- SEND KEYS element/a94e27ec-ca04-44f3-829c-eba6733d4aac/value 00:20.00 (+0.15)
- CLICK element/5dac47c8-f7cd-4ddf-bcb1-396f8a04aca9/click 00:20.75 (+0.07)
- DELETE /session/ac787376cd54420198dd59a8aad7efd 00:21.50 (+0.00)

Screenshots (8) Logs (2)

0006screenshot.png 8 Screenshots

This page is a Selenium sandbox



References used

- https://www.selenium.dev/documentation/webdriver/getting_started/first_script/
- <https://docs.saucelabs.com/mobile-apps/automated-testing/appium/configuration/#best-practices-for-identifying-application-elements>

Task 4

Objective

Add a capability that adds a tag to each test that is run. See this page for instructions: <https://docs.saucelabs.com/dev/test-configuration-options/>

Code

```
/**
 * // added tags to utils.js file - 'tags': ["Interview", "sauceLab",
 * "SupportDepartment"]
 */

const workingCapabilities = {
  'browserName': 'googlechrome',
  'platformName': 'macOS 10.15',
  'browserVersion': 'latest',
  'sauce:options': {
```

```

    'name': 'Guinea-Pig Sauce',
    'screenResolution': '1280x960',
    'tags': ['Interview', 'saucelab', 'SupportDepartment'],
    'build': process.env.GITLAB_CI ? `${process.env.CI_JOB_NAME}-${date}` :
`support-tech-test-${date}`
  }
};

```

Result

The screenshot shows the Sauce Labs interface for a test run named 'Guinea-Pig Sauce'. The test status is 'Passed'. The 'Metadata' tab is active, displaying the following information:

- Application Summary: null
- ID: bd436ba44bce4b128b08a753586a253e
- Passed: true
- Name: Guinea-Pig Sauce
- Build: support-tech-test-2023-01-25T15:02:55.634Z
- Tags: Interview, saucelab, SupportDepartment (highlighted with a red box)
- Browser: googlechrome
- Browser Version: 109.0.5414.87
- Server OS: Mac 10.15
- Automation Backend:

The 'Video' tab is also visible, showing a video player with a play button.

References used

- <https://docs.saucelabs.com/basics/test-config-annotation/test-annotation/>

Task 5

Objective

Set the status of the test so it shows as "passed" instead of "complete".

Code

```
afterEach(async function () {
```



```

    if (driver) {
      // Send test result to Sauce Labs
      const result = this.currentTest.state == 'passed' ? 'passed' : 'failed';
      await driver.executeScript(`sauce:job-result=${result}`);

      // Close the browser & end session
      await driver.quit();
    }
  });

```

Result

The screenshot shows the Sauce Labs interface for 'Automated / Test Results'. The left sidebar contains navigation options like 'Get Started Guide', 'App Management', 'Live', 'Automated', 'Test Results', 'Builds', 'Archive', 'Platform Configurator', 'Insights', 'Visual Testing', 'API Testing', 'Mobile Beta Testing', and 'Get Started Checklist'. The main area displays a table of test results for 'Wednesday, Jan 25th'. The table has columns for status, test name, browser, version, and duration. One test, 'Guinea-Pig Sauce', is highlighted with a red box and marked as 'Passed'.

Status	Test Name	Browser	Version	Duration
Errored	Broken Google Search	Catalina	109	1m 56s
Passed	Guinea-Pig Sauce	Catalina	109	15s
Errored	Guinea-Pig Sauce	Catalina	109	1m 43s
Completed	Guinea-Pig Sauce	Catalina	109	23s
Errored	Guinea-Pig Sauce	Catalina	109	1m 44s
Errored	Guinea-Pig Sauce	Catalina	109	1m 54s
Errored	Guinea-Pig Sauce	Catalina	109	1m 55s
Errored	Guinea-Pig Sauce	Catalina	109	1m 43s
Completed	Guinea-Pig Sauce	Catalina	109	13s

References used

- <https://docs.saucelabs.com/test-results/test-status/>
- <https://github.com/saucelabs-training/demo-js/blob/main/nightwatch/webdriver/examples/update-sauce/tests/custom-commands/customSauceLabsEnd.js>

BrokenSauce Test

Intended to find & fix the incorrect code and compile the test successfully.

Task

Objective:

Run this test before working on the problem. When you view the results on your dashboard, you'll see that the test "Failed".

- Your job is to figure out why the test failed and make the changes necessary to make the test pass.
- Once you get the test working, update the code so that when the test runs, it can reach the Sauce Labs homepage, hover over 'Resources' and then clicks the 'Documentation' link

Code

Only highlighting an updated code afterwards test compiled successfully.

```
let search = await driver.findElement(By.name("q"));
```

Result

Compiling and Running the code.

```
nirjoshi@nirjoshi-MacBook-m1 support-tech-test-master % npm run broken
```

```
> support-tech-test@1.0.0 broken
> mocha ./test/brokenSauce.js
```

Broken Sauce

✓ should go to Google and click Sauce (15781ms)

1 passing (16s)

```
mpandav@mpandav-MacBook-m1 support-tech-test-master %
```

SAUCELABS

Get Started Guide

App Management

Live

Automated

Test Results

Builds

Archive

Platform Configurator

Insights

Visual Testing

API Testing

Mobile Beta Testing

Get Started Checklist

Sign up

Run your first test

View your test results

Set up your profile

Invite a teammate

Test Results / Broken Google Search

Completed

Broken Google Search

1 minute ago by @oauth-joshinimala.110... via Webdriver

support-tech-test-2023-01-25T17:5...

10.15

109

Team

21s

Commands (8)

Metadata

Showing 8 commands

Filters

POST /session 00:00.00 (+3.24)

LOAD URL https://www.google.com 00:04.25 (+1.45)

FIND "[name='q']" 00:06.00 (+0.02)

SEND KEYS element/413d90cd-afec-45c7-9a6e-f8da79a8da05/value 00:06.75 (+0.16)

FIND "[name='btnK']" 00:07.50 (+0.02)

CLICK element/eff335ec-100f-4a05-923e-9ba4670696c1/click 00:08.25 (+2.93)

FIND element 00:12.00 (+0.05)

DELETE /session/ae201fa96ffe49d3a0f8725128762e97 00:12.50 (+0.00)

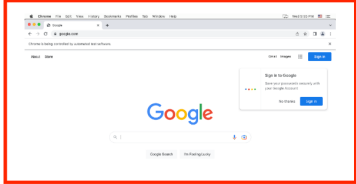
Video

Screenshots (5)

Logs (2)

0001screenshot.png

5 Screenshots



NETWORK

PERFORMANCE

ACCESSIBILITY

SAUCELABS

Get Started Guide

App Management

Live

Automated

Test Results

Builds

Archive

Platform Configurator

Insights

Visual Testing

API Testing

Mobile Beta Testing

Get Started Checklist

Sign up

Run your first test

View your test results

Set up your profile

Invite a teammate

Test Results / Broken Google Search

Completed

Broken Google Search

1 minute ago by @oauth-joshinimala.110... via Webdriver

support-tech-test-2023-01-25T17:5...

10.15

109

Team

21s

Commands (8)

Metadata

Showing 8 commands

Filters

POST /session 00:00.00 (+3.24)

LOAD URL https://www.google.com 00:04.25 (+1.45)

FIND "[name='q']" 00:06.00 (+0.02)

SEND KEYS element/413d90cd-afec-45c7-9a6e-f8da79a8da05/value 00:06.75 (+0.16)

FIND "[name='btnK']" 00:07.50 (+0.02)

CLICK element/eff335ec-100f-4a05-923e-9ba4670696c1/click 00:08.25 (+2.93)

FIND element 00:12.00 (+0.05)

DELETE /session/ae201fa96ffe49d3a0f8725128762e97 00:12.50 (+0.00)

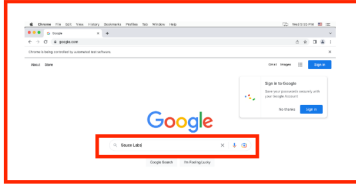
Video

Screenshots (5)

Logs (2)

0002screenshot.png

5 Screenshots



NETWORK

PERFORMANCE

ACCESSIBILITY

SAUCELABS

Get Started Guide

App Management

Live

Automated

Test Results

Builds

Archive

Platform Configurator

Insights

Visual Testing

API Testing

Mobile Beta Testing

Get Started Checklist

Sign up

Test Results / Broken Good

Completed

Broken

1 minute

Commands (8)

Search

POST /session

LOAD URL https://w

FIND "[name='q']"

SEND KEYS element

FIND "[name='btnK']"

CLICK element=eff3

FIND element

DELETE /session/ae201fa96ffe49d3a0f8725128762e97

Chrome

File Edit View History Bookmarks Profiles Tab Window Help

Wed 5:55 PM

Google

Sauce Labs

Chrome is being controlled by automated test software.

Google

Search

News Images Videos Maps More Tools

About 17,200,000 results (0.64 seconds)

Ad - https://www.saucelabs.com/

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WeTest - Create Your Free Account

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Ad - https://www.blazemeter.com/

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Fix performance bottlenecks with our safe & secure professional testing platform. Run...

https://saucelabs.com

Selenium Testion Mobile

Sauce Labs

Software company

saucelabs.com

Sauce Labs is an American cloud-hosted, web and mobile application automated testing platform company based in San Francisco, California.

Wikipedia

CEO: Alind Miles (Oct 1, 2019-)

Founded: 2008

Subsidiaries: TestCloud GmbH, AutomateIO, Inc., Backhouse VCL, Inc., TestFairy Ltd, API Fortress Inc., Screener Technologies Inc.

Founders: Jason Hoggins, Steven Hazel, John

Headquarters: San Francisco, California, United States

Test results

Accessibility

Mission

Internal server error

Screenshots (5)

Logs (2)

5 Screenshots

Current Screenshot