

Full stack cloud specialist - TA Engineer - Test automation assignment

You are required to develop a test automation suite for this demo website

<https://www.saucedemo.com/>

Technical requirements:

1. Use WebDriver IO framework:
 - a. <https://webdriver.io>
 - b. <https://webdriver.io/docs/gettingstarted>
 - c. <https://webdriver.io/docs/api>
2. Automate the following scenarios:

a.

<i>Test Step</i>	<i>Test Data</i>	<i>Expected results</i>
User Logins to the app	Use standard user provided in landing page	User can login and see catalogue of items
User adds every item from the catalogue to the cart by pressing add to cart button		Cart icon at the top right is increasing with each added item. After adding all items, it should show 6
User removes every item from the cart by pressing remove button on each of the items from catalogue in home page		Cart icon at the top right is decreasing with each removed item. After removing all items, it shouldn't show any number icon

b.

<i>Test step</i>	<i>Test Data</i>	<i>Expected results</i>
User Logins to the app	Use standard user provided in landing page	User can login and see catalogue of items
Confirm that each item has correct title	See test data at the bottom of document	Each title matches given data
Confirm that each item has correct description	See test data at the bottom of document	Each description matches given data
Confirm that each item has correct price	See test data at the bottom of document	Each price matches given data

3. Think of a few login scenarios yourself and write automated tests for login screen (E.G going through different users given on login landing page, checking error toast messages)

4. Generate report of your choice to display test results
5. Use source control tools of your choice (GitHub, GitLab, etc...) , use industry standards of making commits and saving your work as you go.

Bonus requirements:

1. Feel free to add some of your own test cases (full checkout, login with cookies, etc.) for the demo website if you think it could demonstrate your knowledge and coding skills better
2. Deploy your solution to run tests on the public cloud of your choice (AWS, Heroku, Digital Ocean) on Linux virtual machine
3. Create simple Selenium Standalone grid and set up your WDIO test framework to run on it.
4. Dockerising your solution or use Docker for deploying onto the cloud

Test data:

name: "Sauce Labs Backpack",
description:
"carry.allTheThings() with the sleek, streamlined Sly Pack that melds uncompromising style with unequaled laptop and tablet protection.",
price: "\$29.99"

name: "Sauce Labs Bike Light",
description: "A red light isn't the desired state in testing but it sure helps when riding your bike at night. Water-resistant with 3 lighting modes, 1 AAA battery included.",
price: "\$9.99"

name: "Sauce Labs Bolt T-Shirt",
description:
"Get your testing superhero on with the Sauce Labs bolt T-shirt. From American Apparel, 100% ringspun combed cotton, heather gray with red bolt.",
price: "\$15.99"

name: "Sauce Labs Fleece Jacket",
description:
"It's not every day that you come across a midweight quarter-zip fleece jacket capable of handling everything from a relaxing day outdoors to a busy day at the office.",
price: "\$49.99"

name: "Sauce Labs Onesie",
description:
"Rib snap infant onesie for the junior automation engineer in development. Reinforced 3-snap bottom closure, two-needle hemmed sleeved and bottom won't unravel.",
price: "\$7.99"

name: "Test.allTheThings() T-Shirt (Red)",
description:
"This classic Sauce Labs t-shirt is perfect to wear when cozying up to your keyboard to automate a few tests. Super-soft and comfy ringspun combed cotton.",
price: "\$15.99"