TECHNICAL TEST

SDET & Technical Tester

Prepared for Internal

bjss

Introduction

Pre-requisites

To take this challenge you will need access to a computer, email and software that can create an automated Test solution.

Instructions

You must deliver a working Test Framework using a programming language of your choice (preferably Java, C#, Ruby or Python) that requires no paid licenses and be able to explain your work. Aim for best practices, including the use of a page object model and if you feel that there may be 'tech debt' and future improvements, mention them in your readme.txt. Your test framework should provide a report.

You are expected to work on this task on your own, without help or advice from others. If you need clarification on any aspect of the assessment, please seek help from BJSS by emailing the Recruitment team.

Push the test to a Git repository and provide us with the details to pull it down. In the event of issues with this, a zip file is acceptable. Using: http://automationpractice.com/ - Set up a test account with the password: **BJSSTest**

**The email address needs to look valid but it doesn't have to be real and you can safely proceed to buying things/wire transfers as it is a test site. Login to the site using your credentials.*

Test 1: Happy path, purchase 2 items

1. 'Quick view' an item
2. Change the size of the item
3. Add that item to your basket
4. Continue shopping
5. 'Quick view' a different item (leave the size at the default)
6. Add that item to your basket
7. View the basket and confirm that the items are of the size you selected, that their prices are correct, that Total Products is the sum of the two items and that 'Total' equals the Total Products + Shipping.
8. Proceed through checkout to payment (complete by wire)

(Logout)

Test 2: Review previous orders and add a message

(Login to the site using the above credentials)

1. View previous orders
2. Select an item from your previous order (there will be others – confirm this by date/time) and add a comment
3. Confirm that the comment appears under 'messages'

(Logout)

Test 3: Capture images

(Login to the site using the above credentials)
From Test 2 create an assertion which will cause a fail (e.g. confirm the dress is red when in fact it is blue) and capture a screen-grab on fail using Selenium
(Logout)

Test 4: API Calls

1. Visit https://reqres.in/ where you will find the documentation needed to create your API calls using that base URL.
2. Create 'happy path' tests for each of the CRUD actions, demonstrating that you have asserted against one or more things of value which demonstrate success or failure of the test.