

SpinCar Interview Assignment (Selenium)

July, 2018

Assignment

You will be writing some automated tests for SpinCar's web-based application, *360 Manager*.

You'll be working with a sandboxed test copy of 360 Manager and SpinCar's database, so there is no concern about interfering with SpinCar's production software or data.

The feature of 360 Manager that you will test is known as *onboarding*. It facilitates adding new customers.

Use Selenium WebDriver to develop your tests. Selenium WebDriver supports multiple programming languages. For this assignment, it is preferable to use Python. However, if you are unfamiliar with Python and don't have time to learn it, it is acceptable to use Java.

It is up to you to decide how to organize your tests into one or more files and functions.

Your test should include the following actions:

1. Log in to 360 Manager.
 - a. The URL and credentials to log in to 360 Manager have been provided to you via email.
2. Access the onboarding feature by selecting *Admin | Onboard* from the dropdown menu.
3. Test the form in the *or create a new customer* section. Disregard the *Select an existing customer* section.
 - a. Note that the *Customer name* and *S3 folder* fields must be unique. That is, no two customers may have the same values for these fields. Therefore, to run your tests multiple times, you must generate new values for these fields each time.
 - b. Test the form's validation by leaving each required field (indicated by an asterisk) blank and verifying that the expected error message is displayed.
 - c. Fill out all fields with valid values and submit the form. This will create a Customer record. Upon submitting the form, you'll be taken to a new page with the option to *Select an existing config*. Disregard this page, it is not relevant to the test.
4. Verify that the Customer record was successfully created.
 - a. From the top menu, select *Admin*.
 - b. From the top menu, select *Customers | List*.
 - c. Locate the Customer you added in step 3. Tip: The most recently added Customer will have the largest ID. You can sort the list of users in ascending or descending order by clicking the column header *Id*.
 - d. Click the customer ID to edit this Customer.

- e. Verify that the fields of the Customer record have the values you entered in step 3. These fields should have the expected values:
 - i. Name
 - ii. S3 folder
- f. These fields should have default values:
 - i. *Max Size* should have the value *640*.
 - ii. *Pano Max Size* should have the value *1712*.
 - iii. The *Spin customer* checkbox should be checked.

Rules

- Work on your own. Don't ask other people for help, either in person or electronically. However, it's fine to refer to documentation or Google.
- You will be evaluated on the accuracy, completeness and elegance of your solution.

Submitting your answer

Submit your finished program by email. If your program consists of more than one file, please combine into a single ZIP file.

Include a README file with instructions for running the tests.

You may assume that the following dependencies are installed:

- Python 2.7
- Java 8 runtime
- Selenium WebDriver latest version
- Selenium ChromeDriver latest version

If any additional dependencies are required, please list them, along with installation instructions, in your README file.