Assignment Task: Selenium Python 101

Test Scenarios

Test Scenario 1:

1. Open LambdaTest's Selenium Playground from
   https://www.lambdatest.com/selenium-playground
2. Click **"Simple Form Demo"**.

3. Validate that the URL contains **"simple-form-demo".**

4. Create a variable for a string value, e.g., **"Welcome to LambdaTest"**.

5. Use this variable to enter values in the **"Enter Message"** text box.

6. Click **"Get Checked Value"**.

7. Validate whether the same text message is displayed in the right-hand
   panel under the **"Your Message:"** section.

Test Scenario 2:

1. Open the https://www.lambdatest.com/selenium-playground page and click **"Drag & Drop Sliders"**.

2. Select the slider **"Default value 15"** and drag the bar to make it 95 by validating whether the range value shows 95.

Test Scenario 3:

1. Open the https://www.lambdatest.com/selenium-playground page and click **"Input Form Submit"**.

2. Click **"Submit"** without filling in any information in the form.

3. Assert **"Please fill out this field."** error message.

4. Fill in **Name**, **Email**, and other fields.

5. From the **Country** drop-down, select "United States" using the text property.

6. Fill in all fields and click "**Submit".**

7. Once submitted, validate the success message **"Thanks for contacting us, we will get back to you shortly."** on the screen.
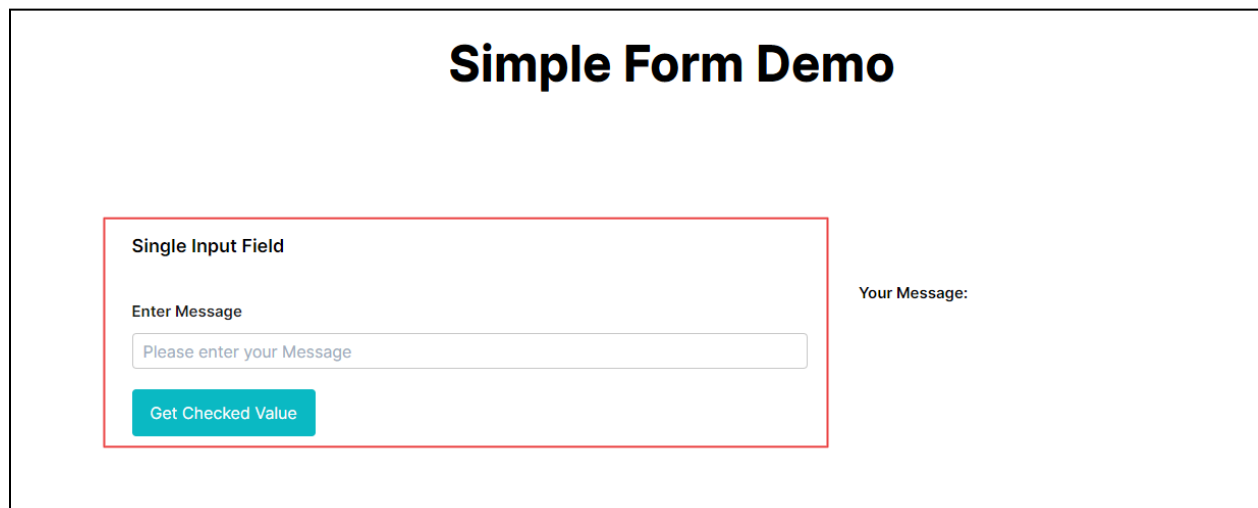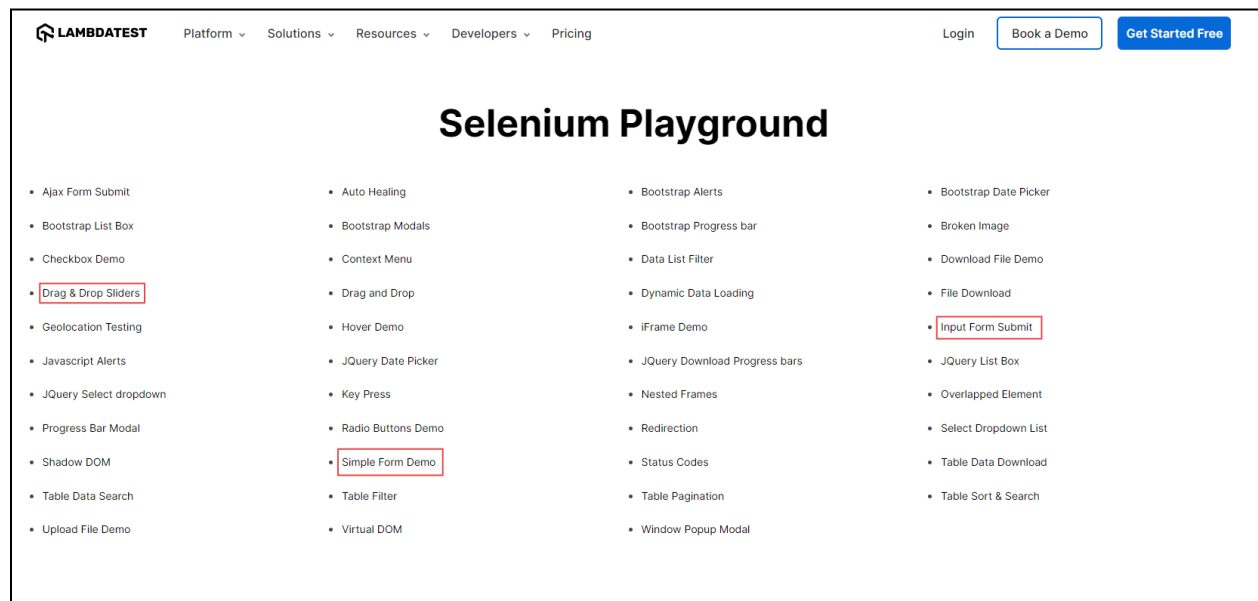
Execution

The test scenario should be demonstrated on the following combinations of browsers and platforms (using Selenium 4 Grid):

1. Chrome + 128.0 + Windows 10
2. Microsoft Edge + 127.0 + macOS Ventura
3. Firefox 130.0 + Windows 11
4. Internet Explorer + 11.0 + Windows 10

Important Notes

1. You can choose your preferred version of the **Python framework**. However, it is recommended to use the latest version of the framework.

2. Pass the browser and OS combinations to the test scenario using your preferred data-driven approach provided by the framework.

3. Ensure that the functions in setup and teardown functions are not a part of the *@Test* annotation.

4. The TimeOut of the test duration should be set to 20 seconds. Parallelism should either be at the Class Level or Method Level (i.e., both the tests should be executing in parallel on LambdaTest).

5. Please ensure to use at least 3 different Locators while performing the test.

6. Please ensure that network logs, video recordings, screenshots, and console logs are enabled in all the test runs. Please refer to the [Automation Capabilities Generator](#) for desired capabilities.

7. Refer to the detailed instructions appended below for submission guidelines.

Reference Images

Slider Demo

Default value 5

5

Default value 20

20

Default value 15

15

Default value 50

50

Default value 25

25

Default value 30

30

Form Demo

Input form validations

Name*

Name

Email*

Email

Password*

Password

Company*

Company

Website*

Website

Country*

Choose an option

City*

City

Address*

Address 1

Address*

Address 2

State*

State

Zip Code*

Zip code

Submit

Important Instructions

1. You must submit the solution using **Python programming language** and any **Python-based framework**. We advise you to keep it as simple and as lean as possible.

2. You must run the test on **LambdaTest Cloud Selenium Grid** in **parallel** and mention the final **Test ID(s)** while submitting.

3. Submit the assignment task via [Gitpod](#) and make sure you have the `.gitpod.yml` file configured on the [GitHub Repository](#). Please ensure that you attach a detailed `README.md` file along with your GitHub repository. This should include the instructions to run the test on the Gitpod dev environment. Learn more about [configuring your single-click Gitpod dev environment](#).

4. Please ensure that it is a **Private Repository** shared with **'LambdaTest-Certifications'** or **admin@lambdatestcertifications.com**.

5. Ensure that network logs, video recordings, screenshots, & console logs are enabled through the [Automation Capabilities Generator](#).

6. You are required to submit the final solution within **36 hours** of the deadline.

Setting up your LambdaTest account & running your first test

1. Ensure that you register for your [LambdaTest Account](#) with the same email address used to register for the certification and to appear for the objective test.

2. The free account comes with 15 days of automation trial access that allows 100 minutes of automation testing.

3. If you have used the automation minutes or have exceeded the allotted trail access time, you can get a 24-hour or more trial access window by contacting LambdaTest support. You can contact LambdaTest support from our in-app chat support or by dropping an email at support@lambdatest.com. You can also drop your request at admin@lambdatestcertifications.com.

4. You can also refer to our [support docs](#) to get started with Automation testing on the LambdaTest platform.