Question 1:

Go to “<https://exammay2020.agiletestingalliance.org/>”

I.Using a single xpath or css locator and driver.findElements locate all the hrefs of the buttons having text as Know More or Read More - print the hrefs on system console. (2 marks) Please see image 1 above(image of know more and read more button)

II.Please do the following (Please refer Image 2) (image showing social media icons)

a. Scroll down to the place where the social media icons are there and take a screen shot. (1 mark)

b. Using a single xpath or css locator, find the hrefs of all the social media icons.

print them on system console (1 mark)

click on these social media icons - it will open a new window (1 mark)

Print the title of the window opened (2 marks)

Take a screen shot (1 mark)

c. Find out how many times #doppa2020 is there on the web page. Print the number on the system console. ( 2 marks)

Question 2:

15 marks – Do the following using TestNG.

Do the following steps in a data driven test format. Use @Dataprovider or similar way to execute the following steps for the given excel sheet below.

1. For every row Open the website <https://mayexam.cpsatexam.org/>

2. For every row use mouse hover on menu data and click on data1 – Please refer image 3 (1 mark)

3. From an excel sheet table (refer table below) fetch the rows and

validate that the table on the website from step 2 has row similar

to the row values fetched from the excel sheet. id, name, address, city and country.

If the values match the test should show as pass.

If the values do not match the test should fail.

Hint you may have to fetch all the table values to get this confirmed.(9 marks)

4. Create a separate file (it can be a text file or excel file) –

which has the pass / fail results for every row (5 marks)

Please note that the every row has to be run as a separate test.

In other words, You should not validate all the rows of the excel sheet in one test.

Marks will be given only if the test is data driven. No marks will be given if the test is not data driven.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID | Name | Address | City | Country |
| 6 | Reed | 4786 Sagittis Road | Zevekote | Togo |
| 11 | Hashim | 8712 Feugiat Street | Stony Plain | Lithuania |
| 13 | Hammett | Ap #802-1433 Suscipit, St. | Acquasparta | Aruba |

Question 3:

Create a Page Object Model class Question3DataSet1.java for the following page

<https://mayexam.cpsatexam.org/data1/>

Refer the image(s) below

a. POM class should have necessary locators (1 mark)

b. POM class should implement two functions

• String getDataSetName() – It should return the page heading DATA SET 1 (2 marks)

• List searchData(String searchString) –based on the search string passed it should return a list of

string array having rows of searched data. In other words e.g. if we pass India in the search string it

should return a list of the rows displayed. (Refer image 6) – (4 Marks)

c. Create a separate Junit Test, such that the above POM class object is created,

the method/function in step b above are called and the values received

from both the functions are printed on system console properly. (3 marks)

Question 4:

Refer image 7. Mouse hover on Pages and click on certifications – 1 mark

b. Refer image 7 - Scroll down to the section of the page showing upcoming tickers and cpsat cpdof cpwst bar. (1 mark) (image of cpsat cpdof cpwst tickers)

c. Take a screen shot which shows the upcoming ticker (1 mark)

d. Refer image 7 The upcoming events section is a ticker control showing various events.

Please get all the messages in the ticker section. (2 marks)

e. Check if the ticker messages are same or not. If not please do a system out saying the messages are not same (1 mark)

f. If there are any hrefs for the ticker messages please print them on the system console. (1 mark)

g. Refer image 8, Please do mouse over on the CP-SAT, CP-DOF and CP-WST logos one by one and capture the tool tip shown. (image of cpsat cpdof cpwst tickers)

Print the three tool tips on the system console (2 marks)

h. Refer image 8, Click on the + sign for CP-SAT, CP-DOF and CP-WST one by one, get the text message description

for all of them and print on the system console (2 marks)

i. Refer image 8, Once the + symbol is clicked the background color changes from Red to Blue.

Capture the two RGB’s and assert that they are different. Print the RGB’s values on the system console too. (2 marks)

Question 5 :

Please ensure that there are utility class for creating appropriate browsers, taking screenshots, reading data from excel sheet and the utility class is used in all the questions above. If the utility class is not used no marks will be given. (2 marks)

Question 6 :

Create a Test Suite (TestNG or Junit or both) – depending on whether you have used Junit or TestNG – such that all the tests can be run together. - 8 marks 1. Suite creation for any of the Junit or TestNG - 4 marks 2. The choice of browser to be used for running the respective test should be passed as a parameter. – parameter passing 4 marks (this can be done either in TestNG or in JUnit)