

QA Engineer – Assignment

INSTRUCTIONS: Answer all questions. Expand the sections accordingly to insert your answers.

1. Explain test plan and test strategy difference.

Answer:

Test Plan

- Purely tells us the goal and range of coverage of the test.
- Investigate the possibilities of achieving the goal and the possible risk factors.
- Test plan normally used for one project and not repeated some cases.
- The test plan documentation contains the test's objective and who are the team member oversees testing.
- The test plan is effective and responsive to changes.
- The Test Manager or QA Team Lead will oversee it.

Test Strategy

- Gives more detailed information on how to go about testing planning.
- Used more at the organization includes different levels and not necessarily tied to one project's success.
- The test strategy documentation contains what methods to use and the areas to review.
- It is more limiting and difficult to alter.
- Compiling the test strategy is usually the role or task of the project manager.

2. What fields do you need to define before you start writing test cases? (ex. Test Case ID)

Answer:

1. Test Case ID: Unique test case identification number.
2. Purpose: Summary about what is being tested.
3. Preconditions: Specify the setup needed for a test case to be executed successfully.
4. Test Data: List of variables and possible values used in the test case.
5. Test Steps: Detailed steps for test case execution.
6. Expected Results: How the application should perform after executing the above testing steps.
7. Actual Results: How application behaved after executing the above testing steps.
8. Result: Does the test – Pass or Failed

9. Comments: This is where the tester can add additional helpful information like screenshots and descriptions to provide the developers with the information, they will need to correct any defects found.

3. Please write the test cases for the below application.

General Infomation

Title

First NameLast Name

Position

Company

Business ArenaEmployees

Contact Details

Street + Nr

Additional Information

Zip CodePlace

Country

Code +Phone Number

Your Email

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Register Badge

Answer:

Test Case ID	Req ID	Scenario	Test case step	Gherkin	Test Data	Expected Results	Actual Result	Pass / Failed
TC_001	1.1	Employee can input valid data	1) Launch the Browser 2) Open Url 3) Provide Valid Personal Details 4) Click on Terms and Conditions 5) Click on Badge Registration	Scenario: Search a Title Given the user is on the Badge Registration page When the user clicking the drop-down search for Title Then the user will get display with available Title to choose one	Selecting Title by clicking drop down and choose one of the available Title	The user able to choose one of the Title available	As expected	Pass
TC_002	1.1	Employee can input valid data	1) Launch the Browser 2) Open Url 3) Provide Valid Personal Details 4) Click on Terms and Conditions 5) Click on Badge Registration	Scenario: User input First Name & Last Name Given the user is on the Badge Registration page When the user input First Name followed by Last Name Then the user input successful get display with First Name and Last Name	The user input must follow Capital and Small letter without any number or special character	The user valid input will display First and Last Name	As expected	Pass
TC_003	1.1	Employee can input valid data	1) Launch the Browser 2) Open Url 3) Provide Valid Personal Details 4) Click on Terms and Conditions 5) Click on Badge Registration	Scenario: Search a Position Given the user is on the Badge Registration page When the user clicking the drop-down search for Position Then the user will get display with available Position to choose one	Selecting Position by clicking drop down and choose one of the available Position	The user able to choose one of the Position available	As expected	Pass

TC_004	1.1	Employee can input valid data	1) Launch the Browser 2) Open Url 3) Provide Valid Personal Details 4) Click on Terms and Conditions 5) Click on Badge Registration	Scenario: User input Company Name Given the user is on the Badge Registration page When the user input Company Name Then the user input successful get display with Company Name	The user input Company Name	The user valid input will display Company Name	As expected	Pass
TC_005	1.1	Employee can input valid data	1) Launch the Browser 2) Open Url 3) Provide Valid Personal Details 4) Click on Terms and Conditions 5) Click on Badge Registration	Scenario: User input Business Arena Given the user is on the Badge Registration page When the user input Business Arena Then the user input successful get display with Business Arena	The user input Business Arena	The user valid input will display Business Arena	As expected	Pass
TC_006	1.1	Employee can input valid data	1) Launch the Browser 2) Open Url 3) Provide Valid Personal Details 4) Click on Terms and Conditions 5) Click on Badge Registration	Scenario: Search a option Employees or Non Employees Given the user is on the Badge Registration page When the user clicking the drop down search for Employees or Non Employees Then the user will get display with available Employees or Non Employees to choose one	Selecting Title by clicking drop down and choose one of the available Employees or Non-Employees	The user able to choose one of the Employees options	As expected	Pass

TC_007	1.1	Employee can input valid data	1) Launch the Browser 2) Open Url 3) Provide Valid Personal Details 4) Click on Terms and Conditions 5) Click on Badge Registration	Scenario: User input Street Name Given the user is on the Badge Registration page When the user input Street Name Then the user input successful get display with Street Name	The user input Street Name	The user gets display street name	As expected	Pass
TC_008	1.1	Employee can input valid data	1) Launch the Browser 2) Open Url 3) Provide Valid Personal Details 4) Click on Terms and Conditions 5) Click on Badge Registration	Scenario: User input Additional Information Given the user is on the Badge Registration page When the user input Additional Information Then the user input successful get display with Additional Information	The user input Additional Information	The user gets display additional information	As expected	Pass
TC_009	1.1	Employee can input valid data	1) Launch the Browser 2) Open Url 3) Provide Valid Personal Details 4) Click on Terms and Conditions 5) Click on Badge Registration	Scenario: User input Zip Code Given the user is on the Badge Registration page When the user input Zip Code Then the user input successful get display with Zip Code	The user input Zip Code	The user gets display zip code	As expected	Pass

TC_010	1.1	Employee can input valid data	1) Launch the Browser 2) Open Url 3) Provide Valid Personal Details 4) Click on Terms and Conditions 5) Click on Badge Registration	Scenario: Search a Place Given the user is on the Badge Registration page When the user clicking the drop-down search for Place after input of Zip Code Then the user will get display with available Place to choose one	Selecting Place by clicking drop down and choose one of the available Place	Selecting Place by clicking drop down and choose one of available Place given	As expected	Pass
TC_011	1.1	Employee can input valid data	1) Launch the Browser 2) Open Url 3) Provide Valid Personal Details 4) Click on Terms and Conditions 5) Click on Badge Registration	Scenario: Search a Country Given the user is on the Badge Registration page When the user clicking the drop-down search for Country Then the user will get display with available Country to choose one	Selecting Country by clicking drop down and choose one of the available Country	Selecting Country by clicking drop down and choose one of available Country given	As expected	Pass
TC_012	1.1	Employee can input valid data	1) Launch the Browser 2) Open Url 3) Provide Valid Personal Details 4) Click on Terms and Conditions 5) Click on Badge Registration	Scenario: User input Code + Given the user is on the Badge Registration page When the user input Code + Then the user input successful get display with Code +	The user input Code +	The successful get display code + given	As expected	Pass

TC_013	1.1	Employee can input valid data	1) Launch the Browser 2) Open Url 3) Provide Valid Personal Details 4) Click on Terms and Conditions 5) Click on Badge Registration	Scenario: User input Phone Number Given the user is on the Badge Registration page When the user input Phone Number Then the user input successful get display with Phone Number	The user input Phone Number	The user gets display phone number	As expected	Pass
TC_014	1.1	Employee can input valid data	1) Launch the Browser 2) Open Url 3) Provide Valid Personal Details 4) Click on Terms and Conditions 5) Click on Badge Registration	Scenario: User input Email Address Given the user is on the Badge Registration page When the user input Email Address Then the user input successful get display with Email Address	The user input Email Address	The user gets display email address	As expected	Pass
TC_015	1.1	Employee can input valid data	1) Launch the Browser 2) Open Url 3) Provide Valid Personal Details 4) Click on Terms and Conditions 5) Click on Badge Registration	Scenario: Go to Terms & Conditions Given the user Read and Agreed Terms & Conditions When the user clicks on the check box in display Then the user input successful get display with check box tick	The user agreed to Terms & Conditions	The user agreed to display with terms &	As expected	Pass
TC_016	1.1	Employee can input valid data	1) Launch the Browser 2) Open Url 3) Provide Valid Personal Details 4) Click on Terms and Conditions 5) Click on Badge Registration	Scenario: Go to Badge Registration Button Given the user click Badge Registration Button in display Then the user input successful get display	The user input clicks the Badge registration button	The user input clicks the user input badge registration	As expected	Pass

4. A part of the above application can utilize automation script. Please share where and why.

Answer:

Where – Zip Code

Why - We can do automation Zip Code to populate the Country automatically when the user inputs the Zip Code.

5. Choose ONE and provide your answer,

a. write the automation script (per Q4) using Python or Java

b. provide specific technical details how you would go through this test activity (step by step process)

Answer: (I Choose 5B)

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TC_002	1.1	Employee can input valid data	1) Launch the Browser 2) Open Url 3) Provide Valid Personal Details 4) Click on Terms and Conditions 5) Click on Badge Registration	Scenario: User input First Name & Last Name Given the user is on the Badge Registration page When the user input First Name followed by Last Name Then the user input successful get display with First Name and Last Name	The user input must follow Capital and Small letter without any number or special character	The user valid input will display First and Last Name	As expected	Pass
TC_003	1.1	Employee can input valid data	1) Launch the Browser 2) Open Url 3) Provide Valid Personal Details 4) Click on Terms and Conditions 5) Click on Badge Registration	Scenario: Search a Position Given the user is on the Badge Registration page When the user clicking the drop-down search for Position Then the user will get display with available Position to choose one	Selecting Position by clicking drop down and choose one of the available Position	The user able to choose one of the Position available	As expected	Pass
TC_004	1.1	Employee can input valid data	1) Launch the Browser 2) Open Url 3) Provide Valid Personal Details 4) Click on Terms and Conditions 5) Click on Badge Registration	Scenario: User input Company Name Given the user is on the Badge Registration page When the user input Company Name Then the user input successful get display with Company Name	The user input Company Name	The user valid input will display Company Name	As expected	Pass

TC_005	1.1	Employee can input valid data	1) Launch the Browser 2) Open Url 3) Provide Valid Personal Details 4) Click on Terms and Conditions 5) Click on Badge Registration	Scenario: User input Business Arena Given the user is on the Badge Registration page When the user input Business Arena Then the user input successful get display with Business Arena	The user input Business Arena	The user valid input will display Business Arena	As expected	Pass
TC_006	1.1	Employee can input valid data	1) Launch the Browser 2) Open Url 3) Provide Valid Personal Details 4) Click on Terms and Conditions 5) Click on Badge Registration	Scenario: Search a option Employees or Non Employees Given the user is on the Badge Registration page When the user clicking the drop down search for Employees or Non Employees Then the user will get display with available Employees or Non Employees to choose one	Selecting Title by clicking drop down and choose one of the available Employees or Non-Employees	The user able to choose one of the Employees options	As expected	Pass
TC_007	1.1	Employee can input valid data	1) Launch the Browser 2) Open Url 3) Provide Valid Personal Details 4) Click on Terms and Conditions 5) Click on Badge Registration	Scenario: User input Street Name Given the user is on the Badge Registration page When the user input Street Name Then the user input successful get display with Street Name	The user input Street Name	The user gets display street name	As expected	Pass

TC_008	1.1	Employee can input valid data	1) Launch the Browser 2) Open Url 3) Provide Valid Personal Details 4) Click on Terms and Conditions 5) Click on Badge Registration	Scenario: User input Additional Information Given the user is on the Badge Registration page When the user input Additional Information Then the user input successful get display with Additional Information	The user input Additional Information	The user gets display additional information	As expected	Pass
TC_009	1.1	Employee can input valid data	1) Launch the Browser 2) Open Url 3) Provide Valid Personal Details 4) Click on Terms and Conditions 5) Click on Badge Registration	Scenario: User input Zip Code Given the user is on the Badge Registration page When the user input Zip Code Then the user input successful get display with Zip Code	The user input Zip Code	The user gets display zip code	As expected	Pass
TC_010	1.1	Employee can input valid data	1) Launch the Browser 2) Open Url 3) Provide Valid Personal Details 4) Click on Terms and Conditions 5) Click on Badge Registration	Scenario: Search a Place Given the user is on the Badge Registration page When the user clicking the drop-down search for Place after input of Zip Code Then the user will get display with available Place to choose one	Selecting Place by clicking drop down and choose one of the available Place	Selecting Place by clicking drop down and choose one of available Place given	As expected	Pass

TC_011	1.1	Employee can input valid data	1) Launch the Browser 2) Open Url 3) Provide Valid Personal Details 4) Click on Terms and Conditions 5) Click on Badge Registration	Scenario: Search a Country Given the user is on the Badge Registration page When the user clicking the drop-down search for Country Then the user will get display with available Country to choose one	Selecting Country by clicking drop down and choose one of the available Country	Selecting Country by clicking drop down and choose one of available Country given	As expected	Pass
TC_012	1.1	Employee can input valid data	1) Launch the Browser 2) Open Url 3) Provide Valid Personal Details 4) Click on Terms and Conditions 5) Click on Badge Registration	Scenario: User input Code + Given the user is on the Badge Registration page When the user input Code + Then the user input successful get display with Code +	The user input Code +	The successful get display code + given	As expected	Pass
TC_013	1.1	Employee can input valid data	1) Launch the Browser 2) Open Url 3) Provide Valid Personal Details 4) Click on Terms and Conditions 5) Click on Badge Registration	Scenario: User input Phone Number Given the user is on the Badge Registration page When the user input Phone Number Then the user input successful get display with Phone Number	The user input Phone Number	The user gets display phone number	As expected	Pass

TC_014	1.1	Employee can input valid data	1) Launch the Browser 2) Open Url 3) Provide Valid Personal Details 4) Click on Terms and Conditions 5) Click on Badge Registration	Scenario: User input Email Address Given the user is on the Badge Registration page When the user input Email Address Then the user input successful get display with Email Address	The user input Email Address	The user gets display email address	As expected	Pass
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