Module Test (Practical): Test Automation using BDD
Max Marks: 70
Duration: 2.5 Hrs
Mode: Open Book

Assessment Parameters

➢ *Solution Completeness (including all requirements addressed) – 30%*

➢ *Appropriate usage of required templates – 10%*

➢ *Understanding Business requirement and implementing BDD Step defination (Feature file), Proper Usage of PMO, Parameterization, Object Repository. Creating appropriate Selenium WebDriver script according to the flow mentioned–60 %*

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Q1. Consider the provided flow and complete the task using Cucmber framework, Selenium WebDriver using POM structure

Marks Distribution: **[70 Marks]**

Criterion	Marks

1. Create appropriate Test Script using Selenium Web Driver API
 2. Associating required Web Driver API libraries with the Java Project to implement Web Driver API to create Test Script
 3. Implementation of good programing practices
     a. Variable, Function & procedure naming convention
     b. Usage of comments
     c. Code Indentation
	10

1. Configure required dependencies in POM.xml 2. Create the required Feature files with relevant scenarios, data tables and scenario outline. 3. Create appropriate Page Factory classes and methods 4. Appropriate naming conventions for POM structure	40
1. Generate Step Definitions and write the tests addressing all the functional requirements. 2. Appropriate usage of Selenium Web Driver API objects and import statements.	20

Flow:

1. Launch the application browser

2. Open the web page in the browser Coaching_Class_Enquiry.html

3. Ensure that the test script execution pauses for 15 seconds before the web page gets loaded.

4. Verify the title of the page.

5. Verify there is a text on the web page "Tuition Enquiry Details Form"

6. Enter first name

7. Ensure that the alert box displays the message "First Name must be filled out" upon no data entered in the first name textbox

8. Enter last name

9. Ensure that the alert box displays the message "Last Name must be filled out" upon no data entered in the last name text box

10. Enter Email

11. Enter Mobile

12. Ensure that the alert box displays the message "Enter numeric value" upon character data entered in the Mobile textbox

13. Ensure that the alert box displays the message "Enter 10 digit Mobile number" upon wrong data entered in the Mobile text box

14. Select the type of the tuition required form dropdown as "Spoken English"

15. Select the city preference as "Pune"

16. Select Mode of the learning as "Class room training"

17. Click on Submit your Request button

18. Verify the alert box displays message "Enquiry details must be filled out"

19. Enter the enquiry details

20. Click on Submit your Request button

21. Verify the message "Thank you for submitting the online coaching Class Enquiry"

22. Click OK

23. Verify the text "Our Counselor will contact you soon" after submission of form.

24. Close the browser window

The Test should do the following apart from the flow mentioned in the Q1.

a. Locate the UI elements using appropriate locators & fill the data in the form.

b. Close the browser window once the entire task completes.

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