

## Module Test (Practical): Test Automation and Selenium

Max Marks: 70

Duration: 3 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 definition (Feature file), Proper Usage of PMO, Object Repository. Creating appropriate Selenium WebDriver script according to the flow mentioned – 60 %

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

**Marks Distribution:**

**[70 Marks]**

Criterion	Marks
1. Creating correct project using Eclipse IDE to write 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 programming practices <ul style="list-style-type: none"><li>a. Variable, Function &amp; procedure naming convention</li><li>b. Usage of comments</li><li>c. Code Indentation</li></ul>	10
1. Addressing each functional requirement stated in the problem statement while writing step definition for business requirement	20
1. Appropriate usage of Selenium Web Driver API objects, import statements to accomplish given requirements in the problem statement 2. Appropriate naming conventions for POM structure	40

### Flow:

1. Launch the application browser
2. Open the web page “**login.html**” in the browser.
3. Verify login page heading as “**Hotel Booking Application**” using xpath.
4. Enter UserName. Ensure that displays the error message “Please enter UserName” upon clicking on the “Login” button without entering any data in the text box.

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5. Enter Password. Ensure that displays the error message “Please enter Password” upon clicking on the “Login” button without entering any data in the text box.
  6. Enter “**Capgemini**” as username and “**capg1234**” as password for valid login. For this authorized user it will move to next page called “**Hotel booking**”.
  7. Verify the title “Hotel Booking” of the page.
  8. Enter First Name. Ensure that the alert box displays the message “Please fill the First Name” upon clicking on the button “**Confirm Booking**” without entering any data in the text box.
  9. Enter Last Name. Ensure that the alert box displays the message “Please fill the Last Name” upon clicking on the button “**Confirm Booking**” without entering any data in the text box.
  10. Enter Email. Ensure that the alert box displays the message “Please fill the Email” upon wrong email format entered in the text box.
  11. Enter mobile no. Ensure that the alert box displays the message “Please fill the Mobile No.” upon clicking on the button “**Confirm Booking**” without entering any data in the text box.
  12. Ensure that the alert box displays the message “Please enter valid Contact no.” upon clicking on the button “**Confirm Booking**” on entering wrong data that doesn’t start with either 7,8 or 9 and doesn’t have 10 digits in the text box.
  13. Select Number of people staying at the Hotel. Ensure that the alert box displays the message “Number of people attending.” upon clicking on the button “**Confirm Booking**” without entering any data in the box.
  14. Enter address details, validation for address.
  15. Select City. Ensure that alert box display the message “Please select city” upon clicking on the button “**Confirm Booking**” without selecting any city
  16. Select State. Ensure that alert box display the message “Please select state” upon clicking on the button “**Confirm Booking**” without selecting any state
  17. Enter Card Holder Name. Ensure that the alert box displays the message “Please fill the Card holder name” upon clicking on the button “**Confirm Booking**” without entering any data in the text box

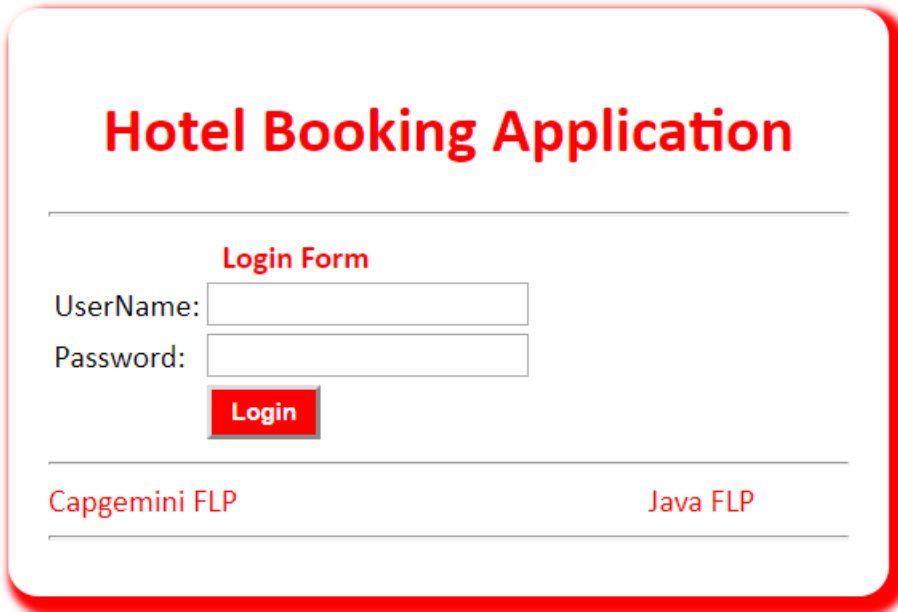
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18. Enter Debit card Number. Ensure that the alert box displays the message “Please fill the Debit card Number” upon clicking on the button “**Confirm Booking**” without entering any data in the text box
  19. Enter Card expiration month. Ensure that the alert box displays the message “Please fill expiration month” upon clicking on the button “**Confirm Booking**” without entering any data in the text box
  20. Enter Card expiration year. Ensure that the alert box displays the message “Please fill expiration year” upon clicking on the button “**Confirm Booking**” without entering any data in the text box
  21. Click on “**Confirm Booking**” button. Ensure that it navigates to success page which displays the message “**Booking Completed!!!**”

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.

### **Application screenshot:**

Login.html



The screenshot shows a web application titled "Hotel Booking Application" in red text. Below the title is a horizontal line. Underneath, the text "Login Form" is displayed in red. There are two input fields: "UserName:" followed by a text box, and "Password:" followed by a text box. Below these fields is a red button with the text "Login" in white. At the bottom of the form area, there are two horizontal lines. Between these lines, the text "Capgemini FLP" is on the left and "Java FLP" is on the right, both in red.

## *Hotel Booking Form*

### Personal Details

First Name* :	<input type="text"/>
Last Name* :	<input type="text"/>
Email* :	<input type="text"/>
Mobile no.*:	<input type="text"/>
Address:	<input type="text"/>
City* :	<input type="text" value="Select City"/>
State* :	<input type="text" value="Select State"/>
Number of guest staying*:	<input type="text" value="1"/>
<small>Note: *Minimum 3 members can share one room.</small>	
No of rooms booked:	<b>1</b>

### Payment Details

Card Holder Name* :	<input type="text"/>
Debit Card Number* :	<input type="text"/>
CVV*:	<input type="text"/>
Expiration month*:	<input type="text"/>
Expiration Year*:	<input type="text"/>

**Confirm Booking**

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Success.html

**Booking Completed!**