Question 1

Manual Testing Scenario

You are provided with a basic user registration page for a web application. The page contains

fields for the user's

• First name

• Last name

• Email

• Password

• Submit button.

Write detailed test cases to cover the functionalities of this

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Project name   – SARAA web application

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Date of Review   - -

Test Case ID	Test case	Description	Test Steps	Test Data	Expected Result	Actual Result	Status
TC_001	First Name Field Validation	Verify that the first name field accepts valid alphanumeric input.	Navigate to the registration page. Enter "Amali" in the first name field. Fill in other fields with valid data. Click the submit button.	Amali	The user should be successfully registered, and a confirmation message should be displayed.	The user was successfully registered, and a confirmation message "**Registration successful**" was displayed	PASS
TC_002	Last Name Field Validation	Verify that the last name field accepts valid alphanumeric input.	Navigate to the registration page. Enter "Rajapaksha" in the last name field. Fill in other fields with valid data. Click the submit button.	Rajapaksha	The user should be successfully registered, and a confirmation message should be displayed.	The user was successfully registered, and a confirmation message "**Registration successful**" was displayed	PASS
TC_003	Email Field Validation with Invalid Input	Verify that the email field does not accept invalid email addresses.	Navigate to the registration page. Enter " amalirajapaksha.com " in the email field. Fill in other fields with valid data. Click the submit button.	amalirajapaksha.com	An error message should be displayed indicating an invalid email format.	An error message **"Please enter a valid email address"** was displayed below the email field.	PASS

TC_004	Password Field Validation with Minimum Length	Verify that the password field enter a minimum length requirement	Navigate to the registration page.	123678	An error message should be displayed indicating that the password must be at least 6 characters long.	An error message displayed "**Password must be at least 6 characters long**"	PASS
			Enter "123678" in the password field.				
			Fill in other fields with valid data.				
			Click the submit button.				
TC_005	Submit Button Disabled without Filling Required Fields	Verify that the submit button remains disabled if required fields are not filled	Navigate to the registration page.		The submit button should be disabled.	The submit button remained disabled until all required fields were filled.	PASS
			Leave all fields empty				
			Observe the state of the submit button.				
TC_006	Password Field Special Characters Acceptance	Verify that the password field accepts special characters	Navigate to the registration page.	am#li9$	The user should be successfully registered, and a confirmation message should be displayed.	User was successfully registered, and a confirmation message "**Registration successful**" was displayed.	PASS
			Enter "am#li9$" in the password field.				
			Fill in other fields with valid data.				
			Click the submit button.				

| TC_007 | Email Field Validation with Duplicate Email | Verify that the system does not allow registration with a duplicate email address. | Register with "amalirajapaksha@gmail.com". | "amalirajapaksha@gmail.com" | An error message should be displayed indicating that the email is already in use. | Error message "**This email is already registered**" was displayed when trying to submit the form | PASS |
| | | | Try to register again with the same email. | | | | |