

1. How do you automate error message validation for required fields in a form?

- The approaches for automating error message validations for required fields are:

a. Identify the required fields.

- Analyse the form structure.
- Inspect the form using browser tools and look for required field attributes.
- Look for the required field sign * in the form and cross verify it.
- Identify the error messages displayed when submitting an empty form.
- Check for the appropriate error message validations in the form.

b. Test Strategy

- Verify that error messages are displayed when users submit a form without filling all the required fields.
- Validate that the error messages appear in the correct format and place.
- Validate that it is compatible across different browsers and devices.
- Confirm that error handling works correctly in various scenarios.

c. Test Automation Strategy

- Use selenium with python for UI Automation.
- Use Hybrid Test Framework (combination of Data-Driven & Keyword-Driven) for testing framework.
- Use Page Object Model (POM) to separate locators, functions and test logic.

d. Test Approaches

- Prepare a proper Test plan with its risk and mitigations.
- Prepare Test scenarios covering all the necessary details.
- Make a Test case to validate and verify the steps.
- Prepare Automate Test scripts and scenarios to cover all the necessary cases.
- Prepare Test Execution plan to test all the levels of testing approaches.

e. Bug Summary and Reporting

- Give proper details for the bug including steps and conditions.
- Attach necessary screenshots, videos and logs for failed test cases.
- Generate detailed reports using Allure, HTML report or other built in reporting options.