Project Name: OpenCart (E-commerce)

Report Date: [11/09/2024]

Tester: [Areej]

Test Environment: [Chrome, Windows, Hp]

1. Purpose of Testing the User Registration Form:

The objective of testing the User Registration Form is to confirm that it operates effectively in different scenarios. This involves ensuring that users can complete registration with valid data, while the system appropriately handles invalid inputs by displaying relevant error messages. The testing process guarantees that the form meets key usability, functionality, and security standards, offering a seamless user experience and preventing the submission of incomplete or incorrect information.

2. Test Case 1: Valid Registration

2.1: Test Cases ID:

TC-01

Title:

Verify successful registration with valid input data.

Description:

This test case ensures that the user registration form functions correctly when all required fields are filled with valid input data. The test validates whether the system allows successful registration and displays the appropriate success message.

1: Scenario:

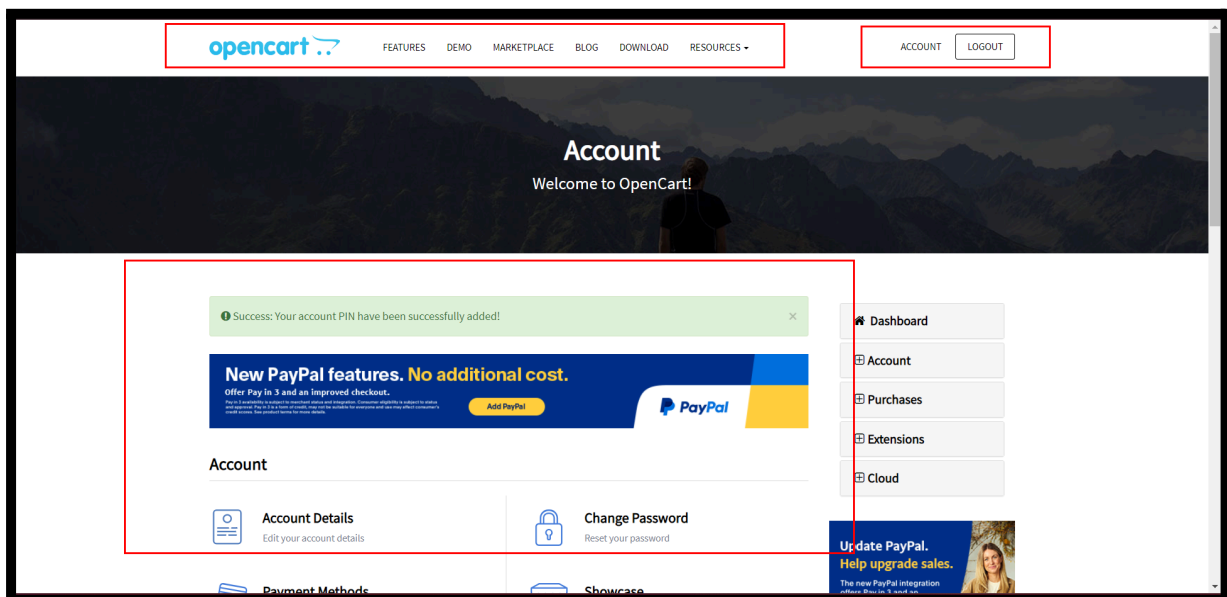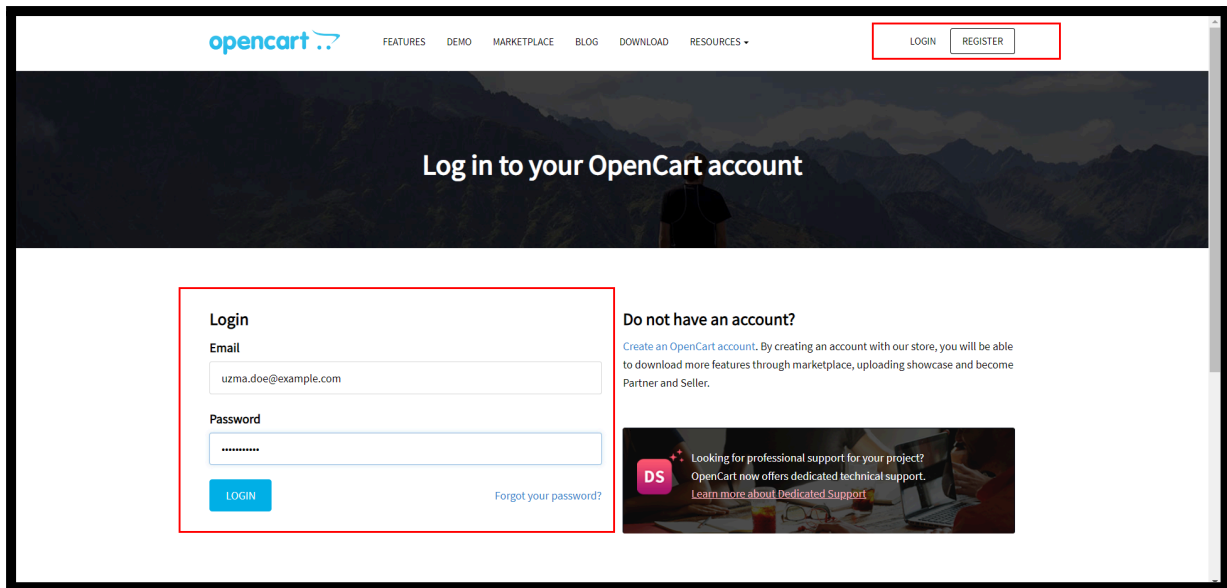Testing the user registration process with valid input data on the OpenCart website.

2: Expected Outcome:

The registration should be completed successfully when all required fields are filled with valid information. A confirmation page or success message (e.g., "Registration successful") should be displayed, and the user should be redirected to the account dashboard.

3: Steps to Reproduce:

1. Navigate to the OpenCart website and go to the registration page.
2. Enter a valid first name (e.g., "Uzma").
3. Enter a valid last name (e.g., "Doe").
4. Enter a valid email address (e.g., "uzma.doe@example.com").
5. Enter a valid password (e.g., "Password123").
6. Confirm the password in the appropriate field.
7. Agree to the terms and conditions (if applicable).
8. Click the "Register" or "Submit" button to complete the registration.

4: Actual Outcome: [Pass]

Pass: The system displays a success message (e.g., "Registration successful"), and the user is redirected to the account dashboard.
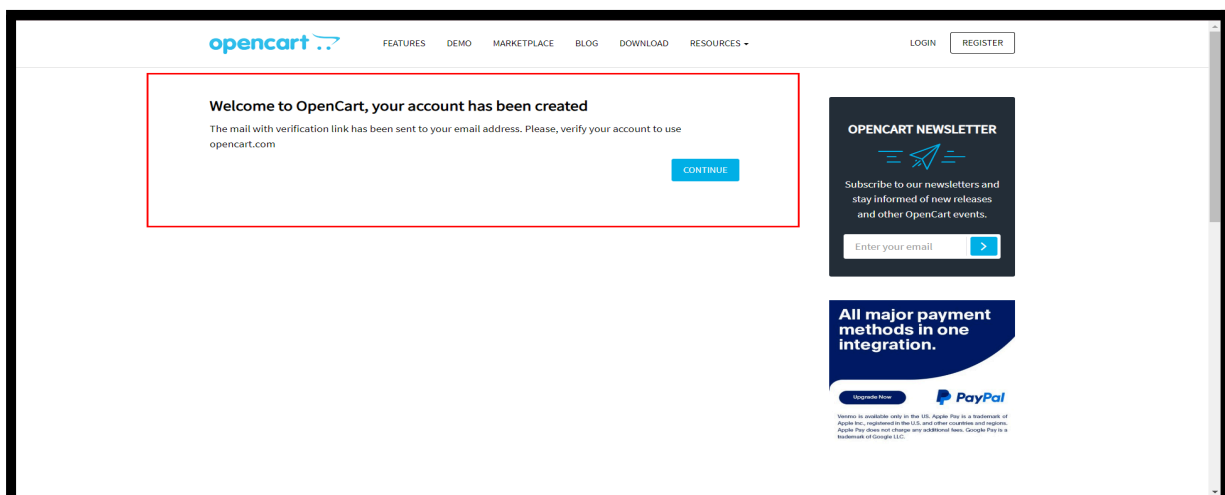
3. Test Case 2: Empty Fields Submission

3.1: Test Cases ID:

TC-02

Title:

Verify Error Messages for Empty Fields.

Description:

This test case ensures that the registration form correctly validates required fields. When all fields are left blank, appropriate error messages should be displayed to guide the user in completing the form.

1: Scenario:

Testing the registration form's behaviour when required fields (Name, Email, Password) are left empty on the OpenCart website.

2: Expected Outcome:

Error messages should appear next to each empty field, indicating that the fields are required (e.g., "Name is required", "Email is required", "Password is required"). The user should not be able to proceed with registration until all fields are filled.

3: Steps to Reproduce:

1. Navigate to the OpenCart website and go to the registration page.
2. Leave all fields blank (First Name, Last Name, Email, Password, Confirm Password).
3. Click the "Register" or "Submit" button to attempt submission.

4: Actual Outcome: [Fail]

Fail: The form is submitted without showing appropriate error messages, allowing incomplete registration, or no validation occurs.

4. Test Case 3: Invalid Email Format

Test Case ID:

TC-03

Title:

Verify Error Handling for Invalid Email Format.

Description:

Tests if the form rejects invalid email formats and displays an appropriate error message.

Status: Pass

Defects/Issues: None
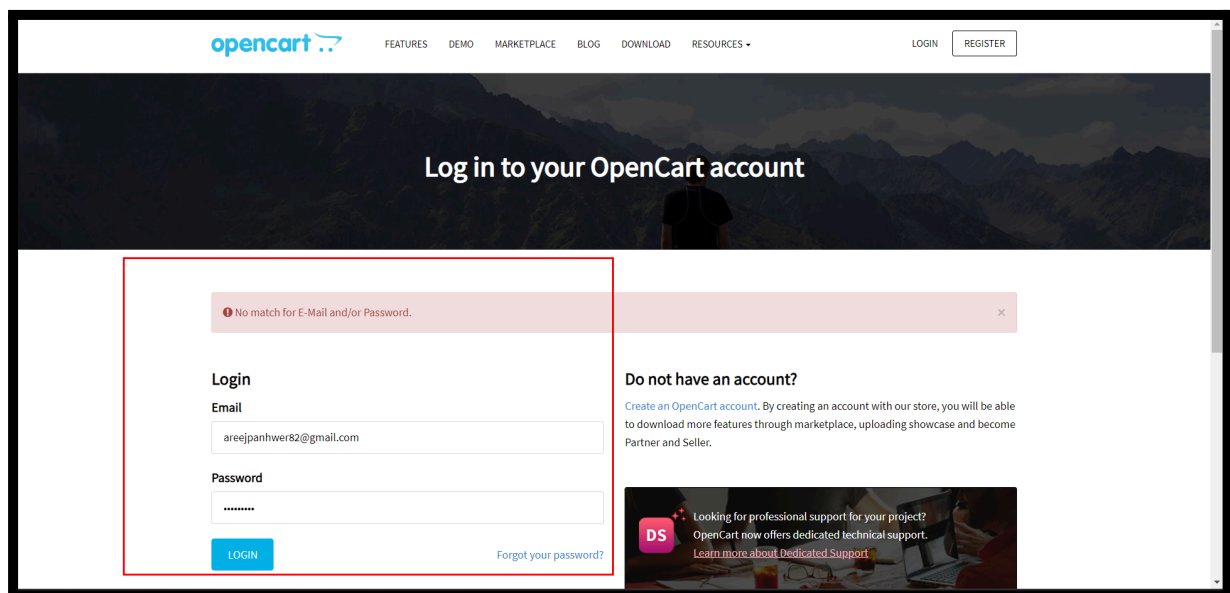
Conclusion

The test case "Verify Error Handling for Invalid Email Format" was successfully completed. The system correctly identified and rejected invalid email formats (e.g., missing "@" or domain extensions) and provided appropriate error messages, ensuring users cannot submit incorrectly formatted email addresses.

This validation ensures that only valid email addresses are accepted, enhancing data integrity and the overall user experience. No defects or issues were identified during testing, and the functionality operated as expected.

5. Summary Of Issues

Test Case ID	Title	Defects / Bugs	Severity
TC-01	Verify Successful Registration with Valid Input Data	None	Medium
TC-02	Verify Error Messages for Empty Fields	None	High
TC-03	Verify Error Handling for Invalid Email Format	None	Critical

Severity Levels:

1. **High**: Defects that may cause critical errors, preventing the system from functioning properly.
2. **Medium**: Defects that could cause issues but may have workarounds.
3. **Critical**: Defects that could lead to major data or security issues, requiring immediate attention.

Recommendations:

1. Fix validation logic to ensure proper handling of terms acceptance, password matching, and duplicate email checks.
2. Conduct regression testing after fixing these issues to ensure the integrity of the registration process.