
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.

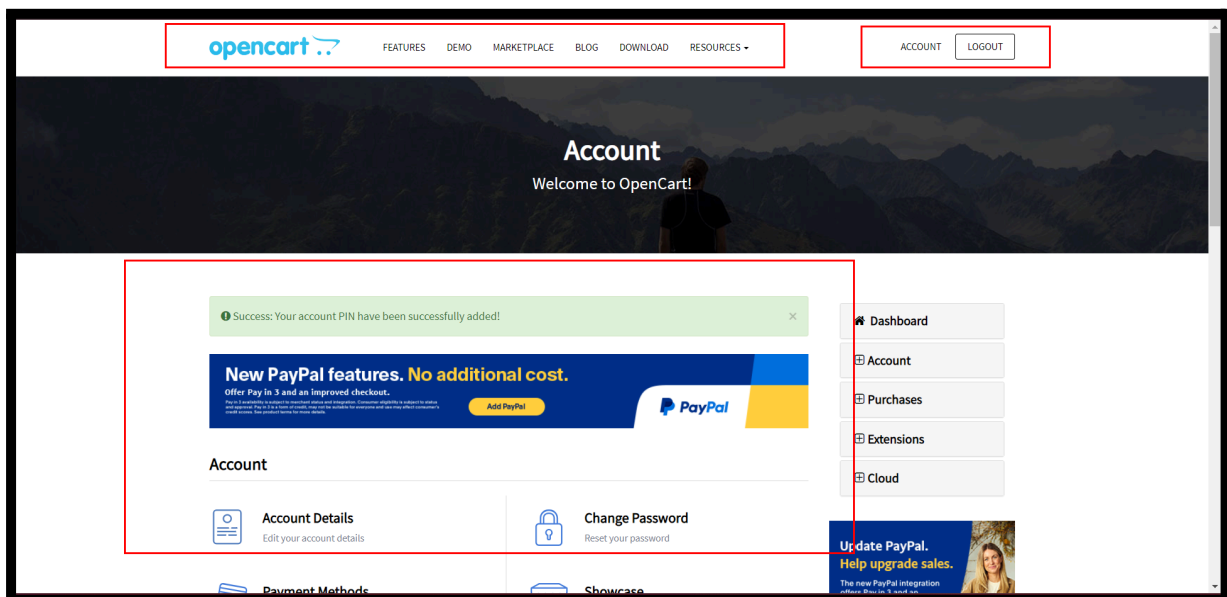
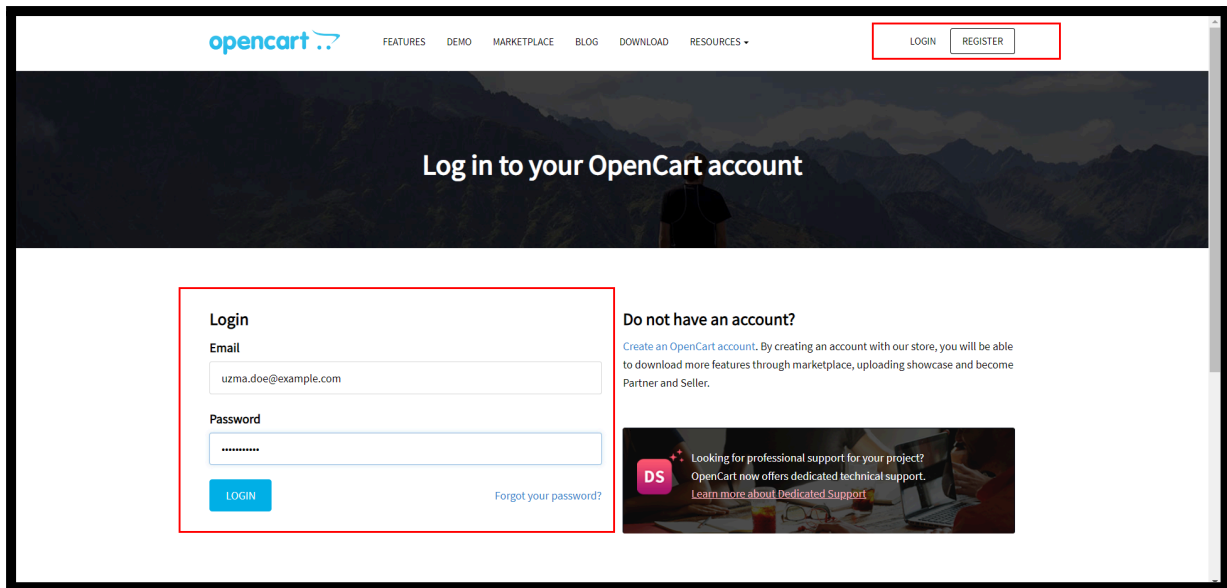
2: Expected Outcome:

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:

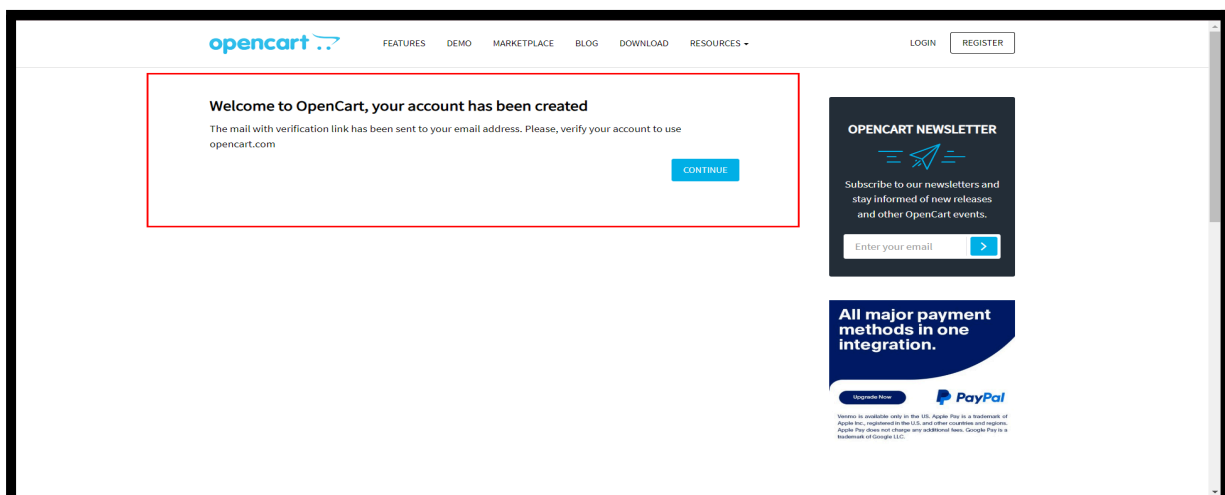
1. Navigate to the OpenCart website and go to the registration page.
2. Enter a valid first name (e.g., "Uzma").
3. Enter a valid last name (e.g., "Doe").
4. Enter a valid email address (e.g., "uzma.doe@example.com").
5. Enter a valid password (e.g., "Password123").
6. Confirm the password in the appropriate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

The screenshot displays the OpenCart website's registration page. The header includes the OpenCart logo and navigation links: FEATURES, DEMO, MARKETPLACE, BLOG, DOWNLOAD, and RESOURCES. In the top right corner, there are 'LOGIN' and 'REGISTER' buttons. The main content area is titled 'Register for OpenCart account' and contains several input fields: Username (filled with 'uzma.doe@example.com'), First Name (filled with 'Uzma'), Last Name (filled with 'Doe'), E-Mail (filled with 'uzma.doe@example.com'), Country (a dropdown menu showing 'Pakistan'), and Password (filled with '*****'). A green success message at the bottom of the form reads 'Success: You passed!'. To the right of the form, there is a section titled 'Why join OpenCart.com?' with five bullet points: 'You will be in good hands. More than 350 000+ live stores', 'You will have access to 13 000+ Modules and themes in the OpenCart Marketplace.', 'Post questions to the OpenCart Community forum where we have more than 110 000 registered members', 'Get a free subscription to our newsletter', and 'You can apply for an OpenCart Developer account here.' At the bottom of the page, there is a row of icons representing various website features.



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.
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The screenshot shows the OpenCart login page. The header includes the OpenCart logo and navigation links: FEATURES, DEMO, MARKETPLACE, BLOG, DOWNLOAD, and RESOURCES. In the top right corner, there are two buttons: LOGIN and REGISTER. The main heading is "Log in to your OpenCart account". Below this, there is a login form with fields for Email (containing "Uzair342@gmail.com") and Password (masked with dots). A blue LOGIN button is at the bottom of the form, and a link "Forgot your password?" is to its right. To the right of the login form, there is a section titled "Do not have an account?" with a link to "Create an OpenCart account". Below this, there is a promotional banner for "Dedicated Support" (DS) with the text: "Looking for professional support for your project? OpenCart now offers dedicated technical support. Learn more about Dedicated Support".

The screenshot shows the OpenCart login page after registration. The header is the same as the previous screenshot, but the top right corner now has buttons for ACCOUNT and LOGOUT. The main heading is still "Log in to your OpenCart account". A red-bordered box highlights a message at the top of the login form area: "Account has not been verified yet!". Below this, the login form is still present with the same email and password fields, the LOGIN button, and the "Forgot your password?" link. The "Do not have an account?" section and the promotional banner are also present.

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:

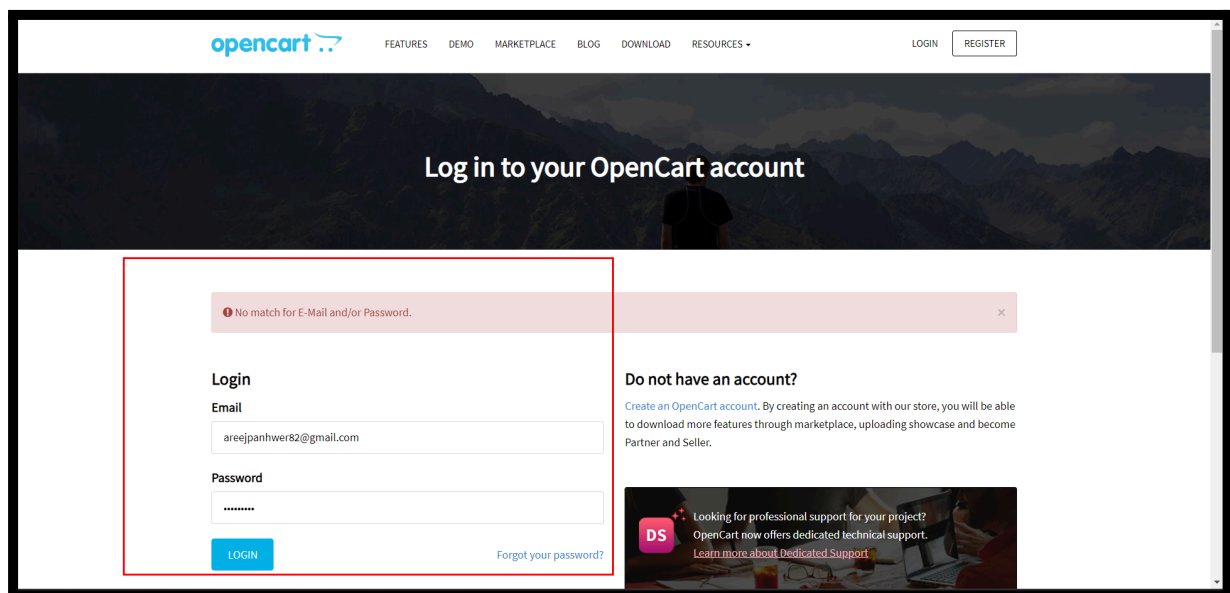
Verify Error Handling for Invalid Email Format.

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.