

Lou Geh Car Dealership Application Test Plan

1. Introduction

1.1 Purpose

The purpose of this test plan is to define the testing approach of the Lou Geh Car Dealership application users and ensure it functions correctly.

1.2 Scope

This test plan covers the application testing of user login and its input validation.

2. Test Items

The test items include the user login and its customer input fields in the application.

3. Features to be Tested

The following features will be tested:

- User Login
- Input Validation

4. Test Environment

4.1 Hardware

- Desktop

4.2 Software

- Operating System: Windows 10
- Web Browser

5. Test Schedule

Testing will be conducted starting from October 12 until October 14, 2023.

6. Test Approach

Testing will be performed using jest-puppeteer.

7. Test Criteria

7.1 Entry Criteria

- The Lou Geh Car Dealership application is accessible and running.
- Test data is prepared.

7.2 Exit Criteria

Testing will be considered complete when:

- All test cases are executed.
- There are no critical defects affecting the application's functionality and features.
- The overall app is functional and free of major issues.

8. Test Cases

8.1 User Login

1. Open the Lou Geh Car Dealership application and click "Get Started" button. This will redirect the user to the login page.
2. Enter a valid email address into the "Email Address" field.
3. Enter a valid password into the "Password" field.
4. Click the "LOG IN" button.
5. Wait for the response.

8.2 User Login Input Validation

1. Open the Lou Geh Car Dealership application and click "Get Started" button. This will redirect the user to the login page.
2. Click the "LOG IN" button without inputting any login credentials.
3. Wait for the snackbar error message to display.

8.2 Customer Input Validation

1. Open the Lou Geh Car Dealership application and click "Get Started" button. This will redirect the user to the login page.
2. Enter login credentials onto the login page.
3. Navigate to the Customers Tab.
4. Submit the form without inputting anything on the input fields.
5. Wait for the snackbar error message to display.

9. Test Execution

Execute the test cases using jest-puppeteer and document the results.

10. Defect Management

When incorrect login credentials were inputted, there were no error messages displayed.

11. Reporting

In the user login function, the snackbar error for the empty input is displayed correctly. On the other hand, the error message for incorrect login credentials is missing. For the customer's tab, snackbar error message displays when the submitted form is empty.

12. Review and Approval

The test plan will be reviewed and approved by Sherry Cunanan.

Test Case: User Login

Test Case ID: CD001

Test Objective: To verify that users can successfully log in to the application using valid credentials.

Preconditions:

- The car dealership application is accessible.
- A user account with valid credentials (email address and password containing at least 8 characters) exists.

Test Steps:

1. Open the Lou Geh Car Dealership application and click "Get Started" button. This will redirect the user to the login page.
2. Enter a valid email address into the "Email Address" field.
3. Enter a valid password into the "Password" field.
4. Click the "LOG IN" button.
5. Wait for the response.

Expected Results:

- If the login is successful, the user should be directed to the application's dashboard or a landing page.
- If the login is unsuccessful, an error message should be displayed.

Test Pass Criteria: The test is considered pass if the user is successfully logged in and reaches the dashboard or landing page. The test is considered fail if an error message is displayed.

Test Fail Criteria: The test is considered fail if a valid login attempt results in an error message or if there are issues with the application's functionality that prevent successful login.

Test Data:

- Valid Email Address: "test@gmail.com"
- Valid Password: "password1234"

Test Case: User Login Input Validation

Test Case ID: CD002

Test Objective: To validate that all the login input field contains a value before the user submits the form

Preconditions:

- The car dealership application is accessible.

Test Steps:

1. Open the Lou Geh Car Dealership application and click "Get Started" button. This will redirect the user to the login page.
2. Click the "LOG IN" button without inputting any login credentials.
3. Wait for the snackbar error message to display.

Expected Results:

- If the user tries to submit the form without filling out the login input fields, a snackbar error with a message "Warning: Please fill out the fields" should be displayed

Test Pass Criteria: The test is considered pass if a snackbar error is displayed when the user tries to submit the form without filling out all the input fields.

Test Fail Criteria: The test is considered to fail if no snackbar error is displayed when the user tries to submit the form without filling out all the input fields.

Test Data: Input Field for Login Page of Lou Geh Car Dealership application.

Test Case: Customer Input Validation

Test Case ID: CD003

Test Objective: To validate that all the input field contains a value before the user submits the form

Preconditions:

- The car dealership application with the customer input field is accessible.

Test Steps:

1. Open the Lou Geh Car Dealership application and click "Get Started" button. This will redirect the user to the login page.
2. Enter login credentials onto the login page.
3. Navigate to the Customers Tab.
4. Submit the form without inputting anything on the input fields.
5. Wait for the snackbar error message to display.

Expected Results:

- If the user tries to submit the form without filling out the input fields, a snackbar error with a message "Warning: Please fill out the fields" should be displayed

Test Pass Criteria: The test is considered pass if a snackbar error is displayed when the user tries to submit the form without filling out all the input fields.

Test Fail Criteria: The test is considered to fail if no snackbar error is displayed when the user tries to submit the form without filling out all the input fields.

Test Data: Input Field for Customers in the Lou Geh Car Dealership application.