

Project Name: Login and sign-up functionality for Starhunt Website

Objective: Ensure that the login and sign-up feature works correctly under various scenarios.

Scope:

- Test valid and invalid user login attempts to ensure the system handles authentication accurately.
- Verify password validation rules and display of appropriate error messages for incorrect or missing inputs.
- Test the Sign-Up functionality by validating user registration with correct and incorrect inputs, including:
 - Required fields (username, password)
 - Password strength and confirmation match.
 - Validation for unique username.
- Ensure proper error messages are displayed for invalid sign-up attempts (duplicate username, weak password).
- Verify successful registration and redirection to the login page or welcome screen.

Test Scenarios:

Login Functionality Test Scenarios

| TEST ID | TEST SCENARIO | EXPECTED RESULT | STATUS |
|---------|---|---|--------|
| TC01 | Enter valid username and password | User should successfully log in and be redirected to the home page. | PASS |
| TC02 | Enter valid username and incorrect password | An error message should display: <i>"Incorrect password."</i> | PASS |
| TC03 | Leave username and password fields blank | An error message should display: <i>"Username and password are required."</i> | PASS |

| | | | |
|------|--|--|-----------|
| TC04 | Enter invalid username format (special characters) | An error message should display: <i>"Invalid username format."</i> | SEMI-PASS |
| TC05 | Enter valid username but leave password blank | An error message should display: <i>"Password is required."</i> | PASS |
| TC06 | Test login session timeout after a period of inactivity | User should be automatically logged out, and redirected to the login page. | PASS |
| TC07 | Attempt login with an unregistered username and password | An error message should display: <i>"User does not exist."</i> | PASS |
| TC08 | Test "Remember Me" functionality | User should remain logged in even after closing and reopening the browser. | PASS |
| TC09 | Verify user cannot log in with expired credentials | An error message should display: <i>"Your password has expired, please reset it."</i> | FAIL |

Sign-Up Functionality Test Scenarios

| TEST ID | TEST SCENARIO | EXPECTED RESULT | STATUS |
|---------|--|---|--------|
| TC10 | Enter all valid details (username, password, confirm password) | User should successfully register and be redirected to the login or welcome page. | PASS |

| | | | |
|------|---|---|------|
| TC11 | Leave all fields blank | An error message should display: <i>"All fields are required."</i> | PASS |
| TC12 | Use an already registered username | An error message should display: <i>"Username is already in use."</i> | PASS |
| TC13 | Enter mismatched password and confirm password | An error message should display: <i>"Passwords do not match."</i> | PASS |
| TC14 | Test password with less than required strength (no numbers or special characters) | An error message should display: <i>"Password must meet the strength requirements."</i> | FAIL |
| TC15 | Submit form with only some fields filled | An error message should display highlighting the specific fields that need to be completed. | PASS |

Defect Reports:

Defect ID: DEF001

Module: Login/Sign-Up Functionality

Reported By: Emilyn C. Mojica

Reported On: Jan. 19, 2025

Summary: The system allows submission of usernames with invalid formats (special characters), but it does not display the expected error message: *"Invalid username format."*

Steps to Reproduce:

1. Navigate to the **Login** or **Sign-Up** page.
2. Enter an invalid username containing special characters (@username!).

3. Fill in the other required fields (if applicable) and submit the form.

Actual Result:

- The system accepts the invalid username and proceeds without displaying an error message.

Expected Result:

- An error message should appear: *"Invalid username format."*
- The system should prevent form submission until a valid username is provided.

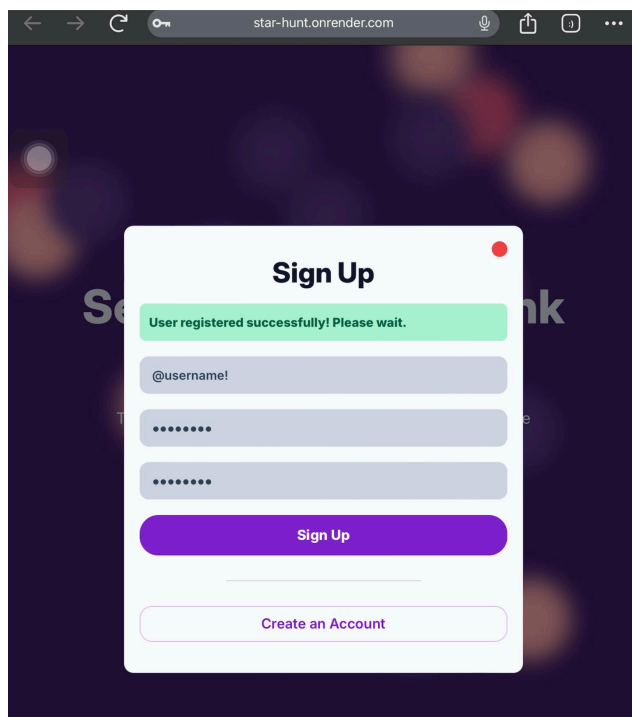
Severity: Medium

Priority: High

Environment:

- **OS:** 16.4.1
- **Browser:** Safari
- **Build Version:** 18.2.1
- **Device:** Ipad (9th generation)

Attachment:



Comment: The use of special characters in usernames could be discussed in a short meeting to clarify if it should be allowed. In many modern systems, special characters in usernames are accepted, but it's important to assess whether this aligns with our security and user experience goals.

Root Cause Analysis: The username validation logic does not account for special characters, which may or may not be acceptable based on the project's requirements.

Defect ID: DEF002

Module: Login Functionality

Reported By: Emilyn C. Mojica

Reported On: Jan. 19, 2025

Summary: The system does not have a feature to handle expired credentials. Users can log in without any indication that their password has expired, and no error message is displayed, such as *"Your password has expired, please reset it."*

Steps to Reproduce:

1. Navigate to the **Login** page.
2. Enter valid login credentials where the password is expected to be expired (30 mins).
3. Submit the login form.

Actual Result:

- The user is successfully logged in without any indication of password expiration.

Expected Result:

- The system should block login with expired credentials.
- An error message should appear: *"Your password has expired, please reset it."*
- The user should be redirected to the password reset process.

Severity: High

Priority: High

Environment:

- **OS:** 16.4.1

- **Browser:** Safari
- **Build Version:** 18.2.1
- **Device:** Ipad (9th generation)

Attachment: No attachments available as the issue does not produce visible errors or logs that can be captured.

Comment: Implement logic to check password expiration according to the rules. Alert users appropriately and provide a reset option.

Root Cause Analysis: There is no mechanism for checking whether the user's password has expired. That is not a defect; it is a missing feature.

Defect ID: DEF003

Module: Sign-Up/Password Validation

Reported By: Emilyn C. Mojica

Reported On: Jan. 19, 2025

Summary: The system allows passwords with only 5 characters or more, even though the required minimum length is 8 characters. This is not in line with the password strength policy.

Steps to Reproduce:

1. Navigate to the **Sign-Up** page.
2. Enter a password with only 5 characters (abcde).
3. Fill in the other required fields and submit the form.

Actual Result:

- The system accepts a 5-character password and successfully registers the user without any validation errors.

Expected Result:

- The system should enforce the minimum password length of 8 characters.
- An error message should appear: *"Password must be at least 8 characters long."*

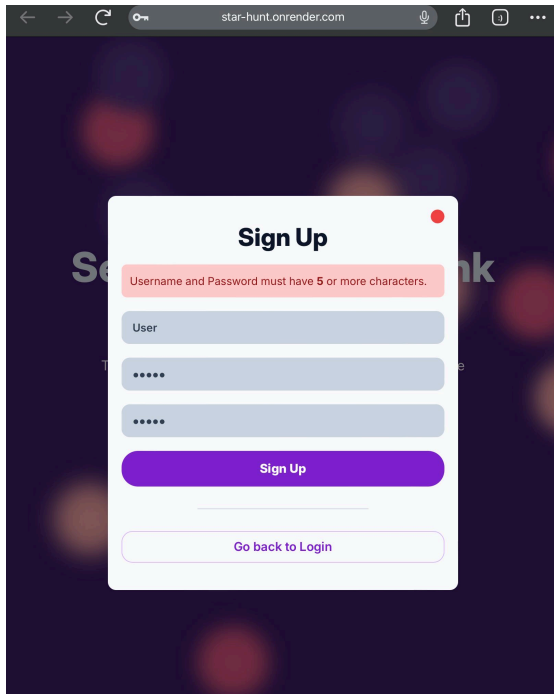
Severity: Medium

Priority: High

Environment:

- **OS:** 16.4.1
- **Browser:** Safari
- **Build Version:** 18.2.1
- **Device:** Ipad (9th generation)

Attachment:



Comment: Please update the password validation logic to ensure that passwords with less than 8 characters are not accepted and add at least one uppercase letter, one number, and one special character.

Root Cause Analysis: The password validation logic does not properly check for the minimum length requirement of 8 characters, accepting passwords that are too short.

Tools I've Used:

Manual Testing:

- Test scenarios and cases for login, and sign-up functionalities.