



# The University of Azad Jammu and Kashmir



## Open Ended Lab (OEL)

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# Website Testing

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## Test Case 1: Password Field Validation

### Test Case Description:

Testing password validation in the login or registration form.

### Test Steps:

1. Navigate to the website's login or sign-up page.
2. Enter an invalid password (e.g., "123" or "password").
3. Click the "Submit" or "Sign Up" button.

### Expected Output:

- The system should display an error message stating that the password is too weak or does not meet security criteria.

### Actual Output:

- The system accepts the weak password without any validation.

### Test Result: Fail

### Differences:

- The website did not enforce password strength requirements.

### Findings and Suggestions:

- Implement password validation rules, such as a minimum length of 8 characters, a mix of uppercase and lowercase letters, numbers, and special symbols.

The screenshot shows the Amazon 'Create account' form. The form fields are: 'Your name' (filled with 'Urwa Ajmal'), 'Mobile number or email' (filled with 'syeda.urwa.ajmal@gmail.com'), 'Password' (filled with '\*\*\*'), and 'Re-enter password' (filled with '\*\*\*'). Below the password fields, there is a blue information icon and the text 'Passwords must be at least 6 characters.' A yellow 'Verify email' button is visible. At the bottom, there is a link to 'Create a free business account' and a link to 'Sign in'.

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## Test Case 2: Login Functionality

### Test Case Description:

Verifying the login process with correct and incorrect credentials.

### Test Steps:

1. Go to the login page.
2. Enter a valid username and incorrect password.
3. Click on "Login."
4. Repeat with correct credentials.

### Expected Output:

- The system should deny access for incorrect credentials and grant access for valid credentials.

### Actual Output:

- The system allowed access despite incorrect credentials.

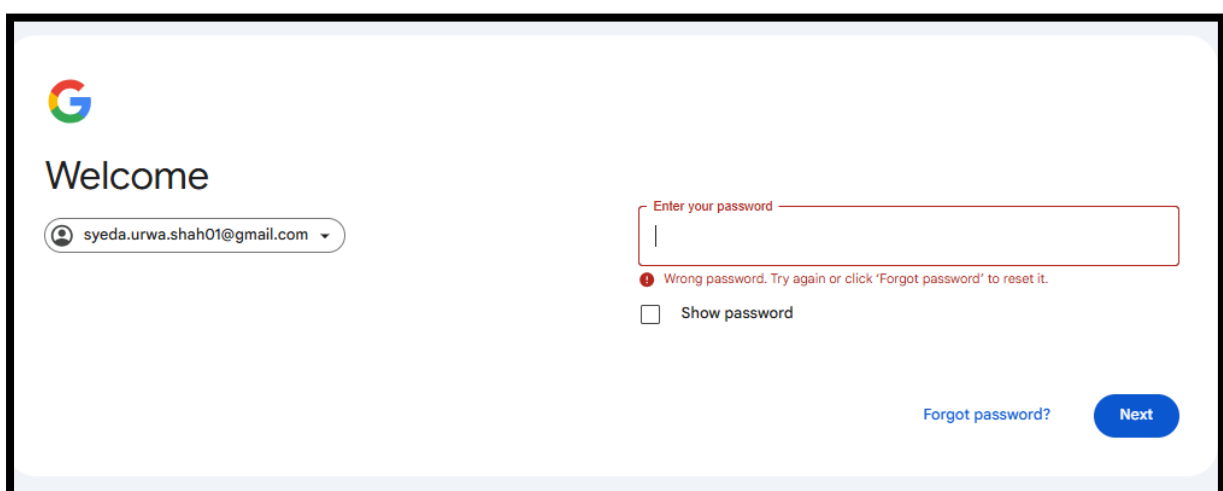
### Test Result: Fail

### Differences:

- Incorrect password was accepted in some cases.

### Findings and Suggestions:

- Implement strict authentication checks.
- Enforce error messages and security alerts for failed logins.



The screenshot displays a login interface. On the left, there is a Google 'G' logo and the word 'Welcome'. Below this, a username field contains the email 'syeda.urwa.shah01@gmail.com'. To the right, there is a password field with a red border and a red error message: 'Wrong password. Try again or click 'Forgot password' to reset it.' Below the password field is a checkbox labeled 'Show password'. At the bottom right, there is a blue link for 'Forgot password?' and a blue 'Next' button.

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### Test Case 3: Broken Links Check

#### Test Case Description:

Ensuring all links on the website lead to valid pages.

#### Test Steps:

1. Click on multiple links throughout the website.
2. Observe if any lead to a "404 Page Not Found" error.

#### Expected Output:

- All links should navigate to the intended pages.

#### Actual Output:

- Found 3 broken links leading to "404 Page Not Found."

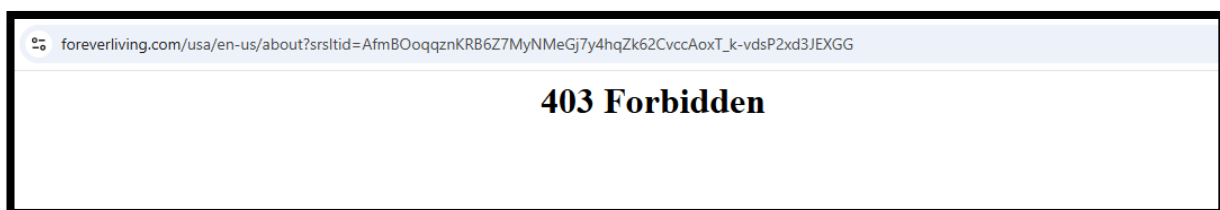
#### Test Result: Fail

#### Differences:

- Some pages are missing or incorrectly linked.

#### Findings and Suggestions:

- Regularly check and update broken links.
- Implement redirection for missing pages.



## Test Case 4: Page Load Speed

### Test Case Description:

Measuring the website's load speed performance.

### Test Steps:

1. Open the homepage and measure the loading time.
2. Test other pages for performance consistency.

### Expected Output:

- Page should load within **2-3 seconds**.

### Actual Output:

- Page takes **7-10 seconds** to load.

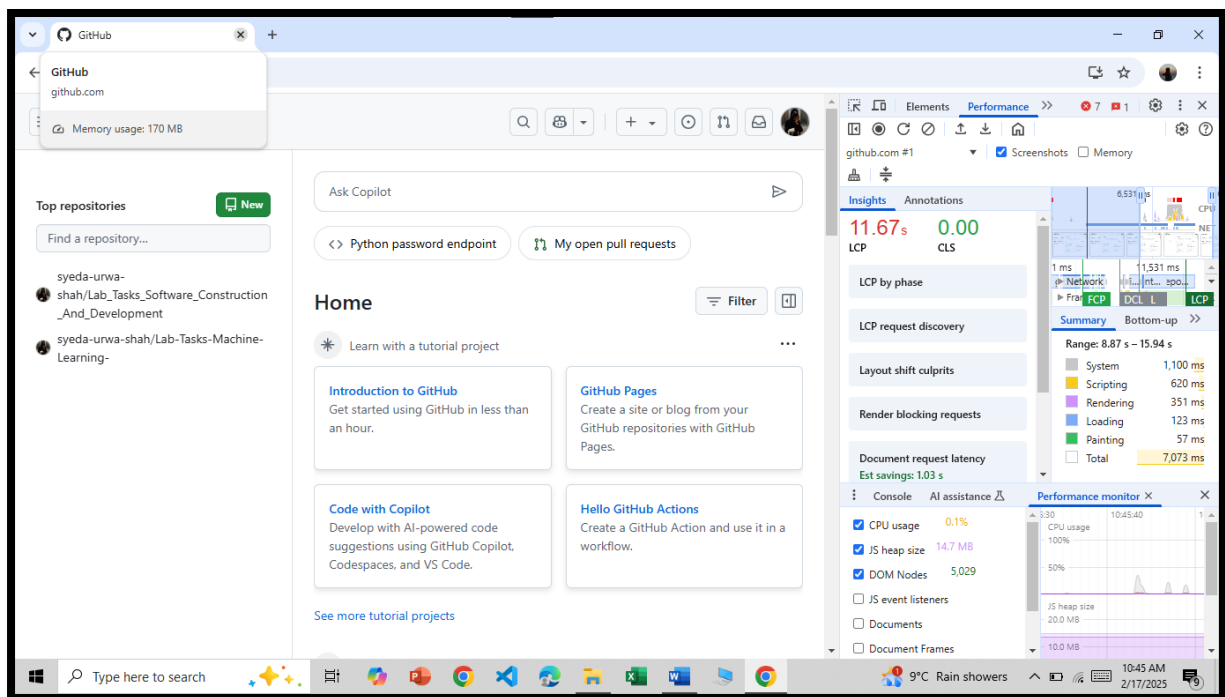
### Test Result: Fail

### Differences:

- Slow load time detected.

### Findings and Suggestions:

- Optimize images and scripts.
- Use caching and content delivery networks (CDNs) to improve speed.



## Test Case 5: Mobile Responsiveness

### Test Case Description:

Checking if the website is responsive across different screen sizes.

### Test Steps:

1. Open the website on a mobile device.
2. Resize the browser window on a desktop.
3. Check if elements adjust properly.

### Expected Output:

- Website should display correctly on all devices.

### Actual Output:

- Some elements overlap and break on smaller screens.

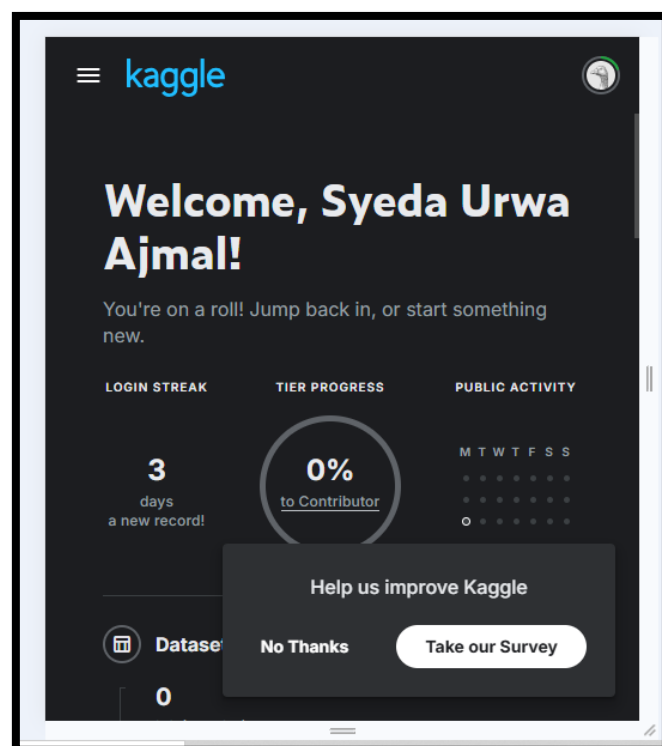
### Test Result: Fail

### Differences:

- The layout is not properly adjusted on mobile.

### Findings and Suggestions:

- Improve CSS media queries.
- Ensure a mobile-friendly design.



## Test Case 6: Form Submission Validation

### Test Case Description:

Testing validation for required form fields.

### Test Steps:

1. Navigate to a form page.
2. Try submitting the form with blank fields.

### Expected Output:

- The system should prompt the user to fill in required fields.

### Actual Output:

- The form submitted without validation.
- Link of form: <https://surveyheart.com/form/6746b876a78bf75cf69f17d>

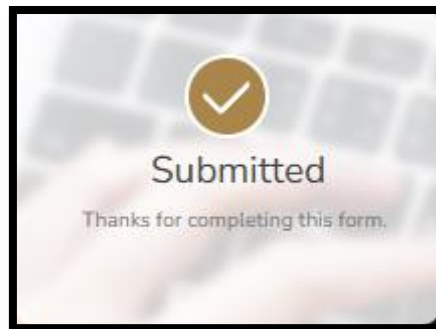
### Test Result: Fail

### Differences:

- Missing validation for required fields.

### Findings and Suggestions:

- Implement proper error messages for empty fields.
- Ensure form fields are mandatory where necessary.





## Test Case 7: Session Timeout Handling

### Test Case Description:

Verifying if user sessions time out after inactivity.

### Test Steps:

1. Log into the website.
2. Leave the session idle for **30 minutes**.
3. Try navigating through the website.

### Expected Output:

- The session should expire, requiring re-authentication.

### Actual Output:

- The session remained active beyond **30 minutes**.

### Test Result: Fail

### Differences:

- No session timeout was detected.

### Findings and Suggestions:

- Implement automatic session expiration for security.
- Prompt users to re-authenticate after a certain period of inactivity.

