



# 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.

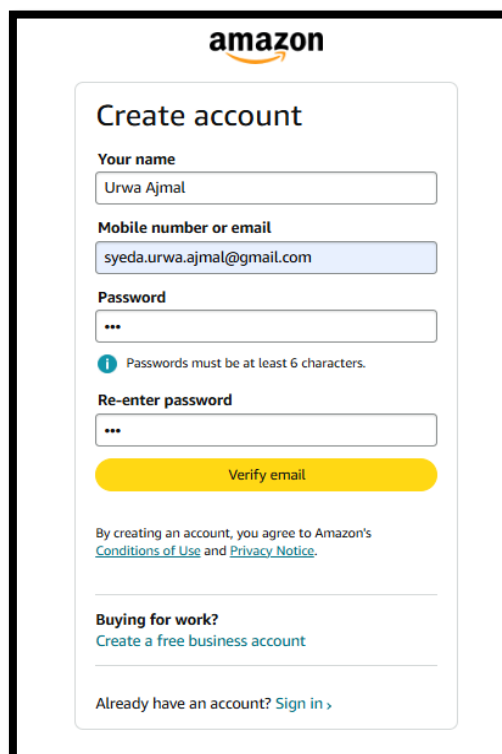
### Test Result: Fail

### 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. At the top is the Amazon logo. Below it, the title 'Create account' is displayed. The form contains several input fields: 'Your name' with the value 'Urwa Ajmal', 'Mobile number or email' with the value 'syeda.urwa.ajmal@gmail.com', 'Password' with three dots indicating a masked field, and 'Re-enter password' also with three dots. Below the password fields is a blue information icon followed by the text 'Passwords must be at least 6 characters.' A yellow 'Verify email' button is positioned below the re-enter password field. At the bottom of the form, there is a line of text: 'By creating an account, you agree to Amazon's [Conditions of Use](#) and [Privacy Notice](#).' Below this, there is a section 'Buying for work?' with a link 'Create a free business account'. At the very bottom, there is a link 'Already have an account? [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.

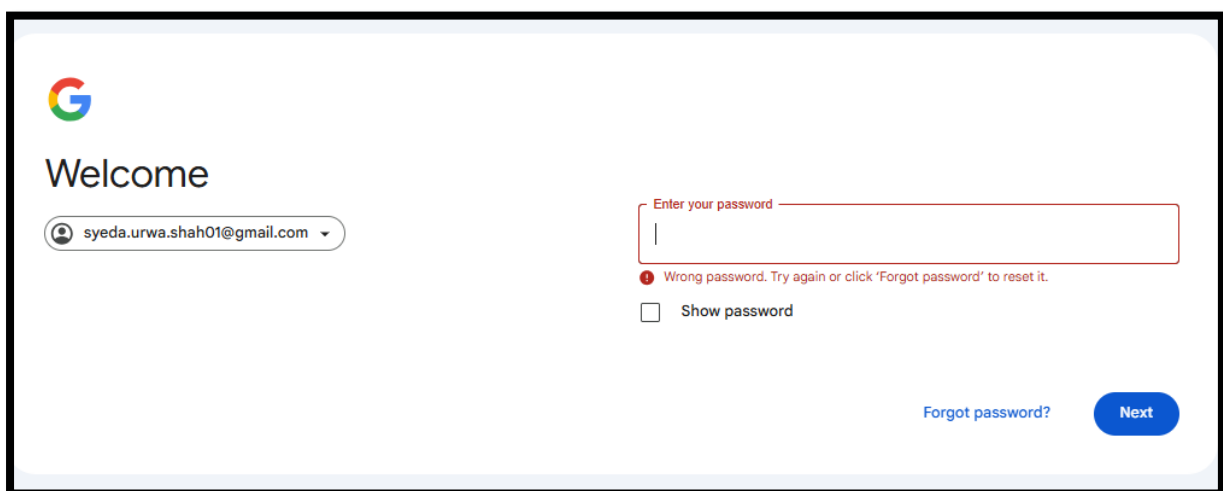
### Test Result: Fail

### 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 with the Google logo and the text "Welcome". On the left, there is a username field containing "syeda.urwa.shah01@gmail.com" with a dropdown arrow. On the right, there is a password field with the placeholder text "Enter your password". Below the password field, a red error message states: "Wrong password. Try again or click 'Forgot password' to reset it." Below the error message, there is a checkbox labeled "Show password". At the bottom right, there is a link "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.

 foreverliving.com/usa/en-us/about?srsId=AfmB0oqqznKRB6Z7MyNMeGj7y4hqZk62CvccAoxT\_k-vdsP2xd3JEXGG

**403 Forbidden**

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## 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.

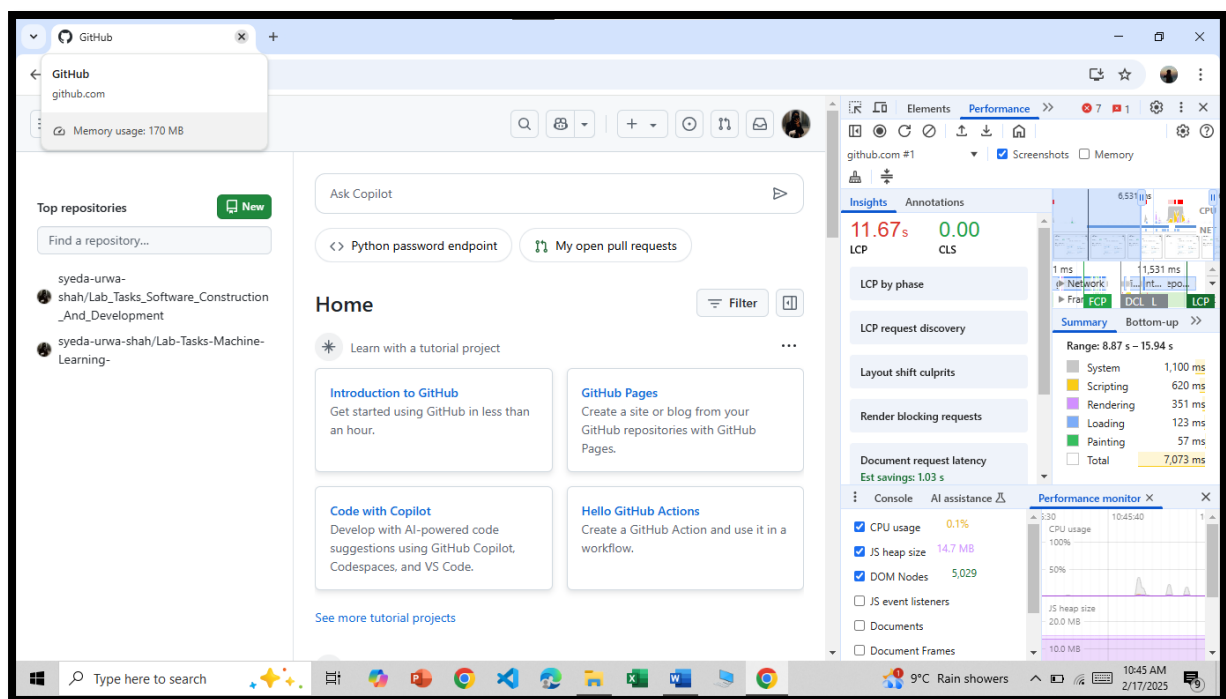
### Test Result: Fail

### 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.

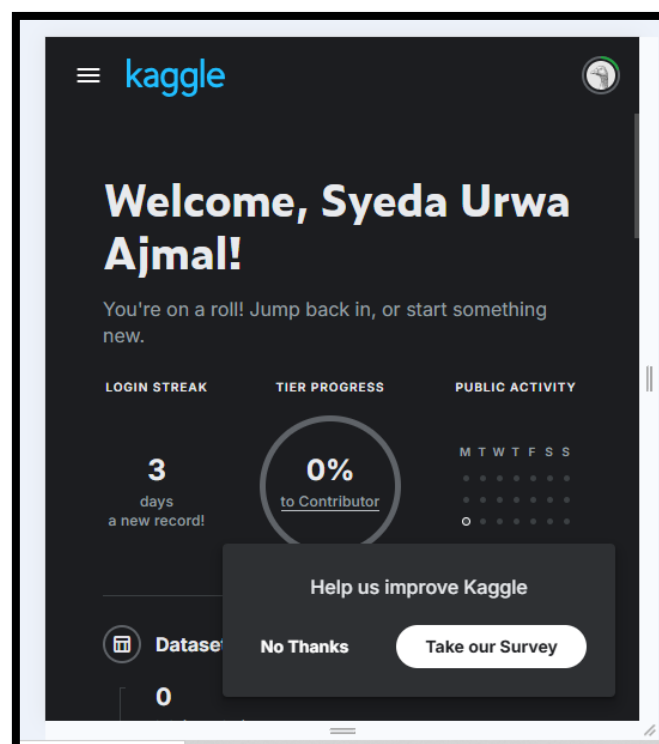
### Test Result: Fail

### 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>

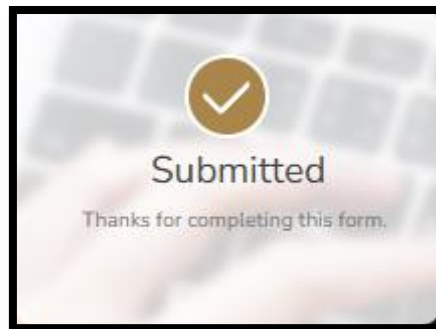
### Test Result: Fail

### 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.

