# **GUI Testing**

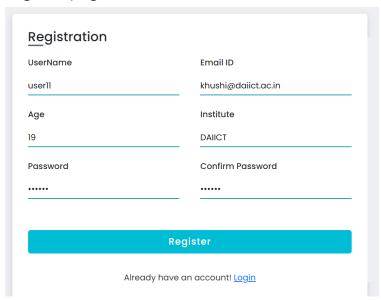
## **Functional Testing:**

→ Navigation bar functional:

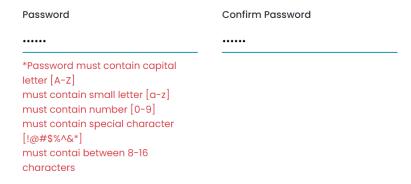
AcadOnline	Home	All Courses	About Us			Login/Register ▼

## → Testing the sign up/login form:

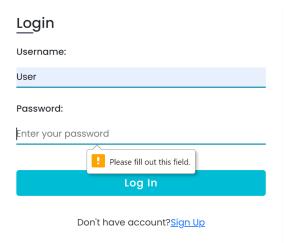
1. Register page functional:



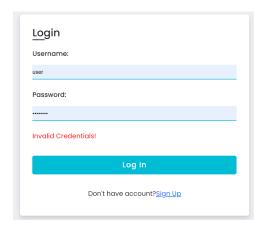
2. Verify that the password requirements are satisfied while registering.



- Failed test-case: If password and confirm password not same -> invalid directing instruction. Still shows the above page only.
- 3. Verify that proper field levels messages are displayed in case of any empty input while logging/registering before proceeding to the main page.



4. Verify that correct Error/warning/success messages are displayed in case of password validation.



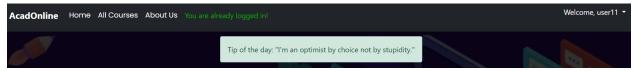
- 5. Verify that the correct username and password leads to the dashboard.
- 6. Verify that the wrong Username/Password leads to the main page but doesn't lead directly, rather asks us to click to /login. It then displays the same home page with invalid credentials as above.

7. Verify the Confirmation of successfully log in



#### → Tips of the day:

1. Verify that After logging in tip is visible to logged in user



## → All course page functionalities:

- 1. Underline on current page; active page
- 2. Search option
- 3. Line by line course
- 4. Course name, description, question button, content for that course



# → View course page functionality:

1. Show particular course

+





Search

Search

# → View question functionality:

- 1. No question blank
- **Course Contents for CSS**

2. Ask question right - bottom corner



# **→Question prompt functionality:**

1. Question and its all replies.

#### **Questions on HTML**



2. If a question/reply is added by another user, edit and delete option are secondary colored otherwise it is in red.

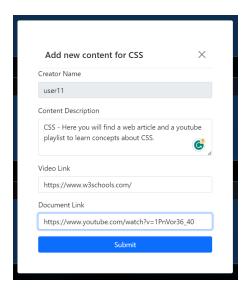
#### **→View course content:**

1. Course name, content creator name, description about course content, view details button; edit/delete option for admin and user itself, other user have that in secondary colored.

## **Course Contents for HTML**

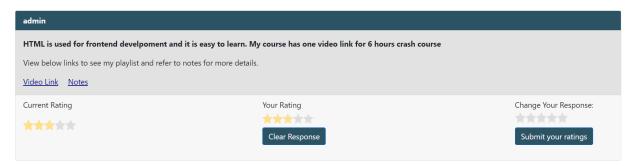


2. Add content



#### → View content:

1. Content creator name, source link, rating



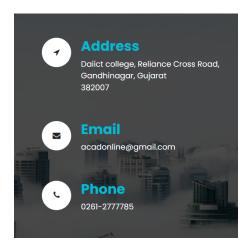
2. Rating shown as star rather than numeric value, colored with yellow.

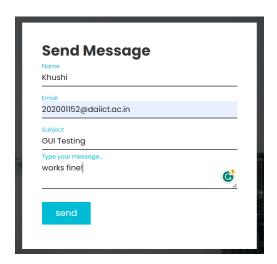
## → Footer for user convenience:



#### → Contact us:

Different ways to contact





## → Testing Search bar:

1. Search function leads to that page



2. Verify that if the search term is incorrect, the message- "No Courses found" is displayed.

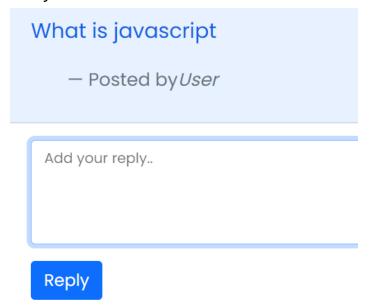
# Sorry, No Courses Found

3. Verify that the search field accepts alphanumeric values.



## → Testing for Fields:

- 1. Verify that the entered text stay within the borders of the search field.
- 2. Verify the size of characters that is acceptable.
  - There is no bound for characters. So this is a failed test case. It accepts limitless characters.
- 3. Verify the height and width of the text field.
- 4. Verify that labels of texts match text fields.



- 5. Verify that enabled text fields should accept the message.
- 6. There should be a scroll bar for long text in the text fields.



- 7. Verify that you can select text inside text fields using the shift + arrow key.
- 8. Verify that empty fields shouldn't be submitted.



## → Testing for Text boxes:

- 1. Verify the cursor inserted.
- 2. Verify spelling mistakes and grammatical mistakes.
  - Above is a failed test case as it doesn't checks for spell mistakes
- 3. Verify whether the text is readable.
- 4. Verify the alignment of the text(should be center aligned).
- 5. Verify that the text is not overlapping with any other elements.
- 6. Verify that the text is not going outside of the page.

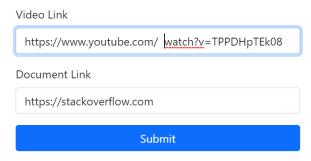
## → Dropdowns:

1. Verify that the arrow sign is shown on the dropdown.



## → Hyperlinks:

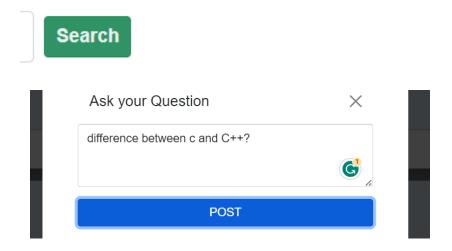
1. Verify that no broken hyperlinks are passed. Shows unsuccessful message.



2. Verify that ctrl + clicking hyperlink should open in a new tab.

#### → Buttons:

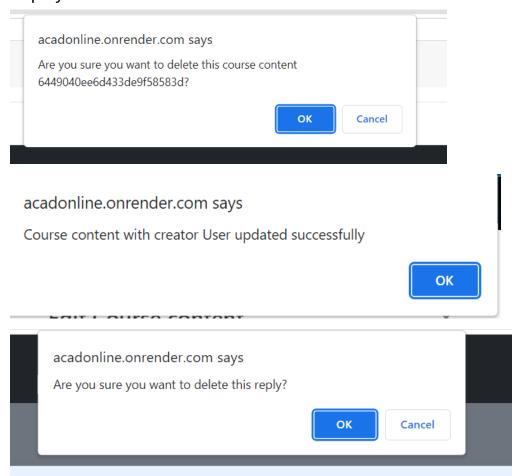
- 1. Verify if it is clickable and working.
- 2. Verify the button alignment with other things on the page and font and size is maintained throughout the pages.
- 3. Verify that the label on the button is correct.
- 4. Verify that hovering the mouse should highlight the button.



- 5. Verify that the spacebar key can click this button.
  - Above is a failed test case
- 6. Verify that enter or spacebar keys should select the 'OK' button in Alert.
- 7. Verify that the control+click button leads to a new tab.

## → Pop-Ups/Alerts:

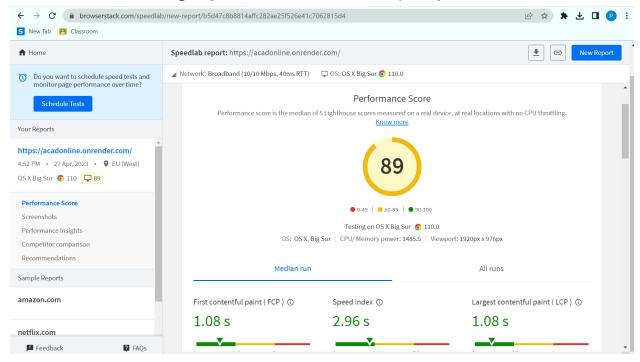
1. Verify that proper pop-ups in case of posting/deleting/editing are displayed.



2. Verify that clicking enter can select "OK" msg.

## **Usability Testing:**

- Faster access: The response time of the page after logging in/registering while submitting any content/QnA is made speedy.



- Readability: The website's layout is made in UI friendly manner making it compatible for users to find things easily.
- Navigation: The header, footer, search bars and internal linking is there and proper pop-ups or messages are displayed for progress.

## **Compatibility Testing:**

Mobile Testing: The website being tested on mobile has following types of bugs:

- Alteration in UI (look & feel)
- Medication in a font size
- Alignment-related problems
- Scroll bar related problems
- Content or label overlapping

OS Testing: Runs of linux.

Browser Testing: Works fine in all browsers.

# Results from Selenium about the site: (Done 48 commands)

