



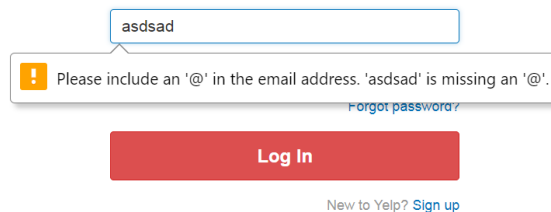
CS-344 **Web Engineering** Assignment 02

CSS, Grid, Flex and JavaScript

Problem Description:

In the previous assignment, you created login and signup pages using floats. Now, you need to update the layout using **grids** and incorporate **JavaScript code** for form validation based on the following rules:

1. When the home page first loads it should show the user a pop-up window guiding him to first Sign Up or Sign in.
2. Once The user clicks the corresponding option, the user should be redirected to the respective page.
3. For **Login in page**:
 - a. When the user enters the email and password and tries to submit it, the following should be validated using JavaScript.
 - b. To ensure the email address entered is valid, it should be checked for the presence of "@gmail.com". If any issues are detected, the email address input field should have its border color changed to red. Additionally, a popup should be displayed according to the following snap:



- c. Properly configure the border radius, color, and shadow of the input field when it is focused.
4. For **Sign Up page**:
 - a. Add a password confirmation input field and use JavaScript to check if the both the passwords are matched. Display a text hint and change the border color of both password fields to red if they don't match. Once they match, restore the original CSS styles of the password input fields.
 - b. For stronger enforcement of rule, disable the sign-up button (gray color, unclickable) if the passwords don't match or the input fields are empty. Unlock the button (red color, clickable) when everything is in order.
 - c. Password strength must be checked against the following rules. If any rule is not met, disable the submit button.
 - i. Password must have one capital letter
 - ii. Must have at least one non-alphanumeric symbol (e.g. @,\$,#,&^,~,... etc)



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iii. Must have least 8 characters

The image displays four sequential screenshots of a web form, likely for user registration, illustrating different states of password strength and email validation. Each form contains fields for username, password, confirm password, and birthday (month, day, year). A 'Sign Up' button is at the bottom of each form.

- Form 1:** Username: 'asdsad', Password: 'asdsad', Confirm Password: 'asdsad'. Password strength: Weak (red bar). Birthday: Nov, 18, 2006.
- Form 2:** Username: 'asdsad', Password: 'asdsad', Confirm Password: 'asdsad'. Password strength: Weak (red bar). Birthday: Nov, 18, 2006. A tooltip message says: "Please include an '@' in the email address. 'asdsad' is missing".
- Form 3:** Username: 'asdsad', Password: 'asdsad', Confirm Password: 'asdsad'. Password strength: Great (green bar). Birthday: Nov, 18, 2006. A tooltip message says: "Please include an '@' in the email address. 'asdsad' is missing an '@'".
- Form 4:** Username: 'asdsad', Password: 'asdsad', Confirm Password: 'asdsad'. Password strength: Great (green bar). Birthday: Nov, 18, 2006. A tooltip message says: "Please include an '@' in the email address. 'asdsad' is missing an '@'".

Instructions:

- The Assignment requires Grids and JavaScript.
 - Use flex wherever necessary.
- Do not copy-past as it will degrade the purpose of the assignment and you will learn nothing if you do.
- **Remember!** The assignment will be **graded based on viva** and the efforts you put in.
- The Final submission must include (**yourName_WE_A02.zip**)
 - pdf file containing screen shots etc
 - project folder

Best of luck