National University of Sciences & Technology (NUST)
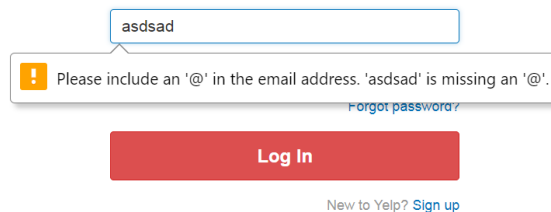NUST Balochistan Campus (NBC)
Department of Computer Science

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)

iii.   Must have least 8 characters

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