

Web Engineering – University of Sahiwal

Assignment 02

Deadline: Sunday 14-11-2021

Assigned By: Muhammad Jamil

Max Marks: 20

Task 1:

We have finished HTML5, CSS3, and JavaScript. In this assignment you need to modify your previous assigned Sign-Up form by adding CSS properties for beautifying the content and JavaScript validation to validate the fields. On mouse hover the T & C text should change its color to blue and Sign-Up Button background color to light green. You are bound to add only external CSS file as it provides more clarity in code. Moreover, you have to link an external font file downloaded from Google Fonts or from any other website described in our class. You need create your own font family with at least two variants of the fonts (e.g., regular, bold). You can also add online font link in your CSS file but I would suggest to add locally downloaded font.

The field constraints are following as:

1. First Name should not be empty having length more than 3 characters and should not allow numeric input/value. It should pop up proper error messages with proper error explanation and similar constraints are also for the Last Name field.
2. The form on submitting should display an error message while not selecting the Gender.
3. Email Address should be properly validated. You can apply null value check and `indexOf('@')` check. You can also validate it using regular expressions.
4. Contact field should accept numeric input and should not less than 10 or greater than 14.
5. Password length should be greater than 8 characters and less than 32 character.
6. It is mandatory for a user to add at least one uppercase, one lowercase, one special character and one number.
7. User should be bound to check the terms and conditions checkbox.
8. After successful submission form should redirect the user to index page of the website.
9. On Index Page you can show user first name, last name, gender, email, contact etc.
10. You can display user information in a beautiful CSS container for more beauty.

Sign Up

First Name

Last Name

Gender ☐ Male ☐ Female

Email

Contact

Password

☐ I accept terms and conditions T & C

Sign Up

Task 2:

As you are familiar with CSS3 and JavaScript till now that is why you need to prepare a fine report containing at least 4000 words on CSS3 and JavaScript learning outcomes. You can add code snippets and output screenshots but in a proper style. For this purpose, use MS Word plugin known as Easy Code Formatter. You can use your developer notes or W3Schools for symmetry. Use Grammarly for dealing with minor grammar mistakes.

Online Code Formatting Tool Link:

<https://prettier.io>

Guidelines:

- Make your assignment by yourself.
- Do not follow different and improper writing styles.
- Recommend: Times New Roman, 14 Heading, 12 Paragraph, 1.5 Text space, Align Justify)
- Try to express your own thoughts based on your learning experience.
- Add your roll number, class and assignment number in the subject of email (for example: MCS (M1)-18-01 – Assignment 02 Web Engineering)
- Upload your compressed code and assignment file on google drive or one drive and paste the accessible link in the body of your email.
- Strongly follow the deadline.
- Violation of guidelines means 0 marks.

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