Name : Prajakta Keer
ROLL No : 33231
Page :
Date : / /

ASSIGNMENT 3

Aim : Validations using Java Script

Problem Statement : Create form in HTML with all form elements apply form validations (eg - email, mobile, pincode, password).

Theory :-

1) **What is Javascript ?**

- Java script is a scripting language that enables you to create dynamically updating content, control multimedia, animate images, etc. It is the programming language for the Web.
- Javascript can update and change both HTML & CSS
- Javascript can calculate, manipulate and validate data
- It is lightweight and most commonly used as a part of web pages, whose implementations allow client-side script to interact with the user and make dynamic pages.
- It is an interpreted programming language with object-oriented capabilities.

2) **Advantages of Javascript**

- Lesser server interaction - You can validate user input before sending the page off to the server. This saves server traffic, which means less load on your server
- Immediate feedback to the visitors - They don't have to wait for a page reload to see if they have forgotten to enter something.
- Increased interactivity - You can create interfaces that react when the user hovers over them with a mouse or activates them via keyboard.
- Richer interfaces - You can use Javascript to include such

items as drag-and-drop components and sliders to give a rich interface to your site visitors.

3) Validation for mobile number

We must ensure that the user enters only digits from 0 to 9 and length of value entered must be 10. No other character ~~else~~ other than digits must be entered and length must be strictly equal to 10.

eg: <input type = "text", name = "mob_no"
maxlength = "10" minlength = "10"
onkeypress = " return (event.charCode > 47 &&
event.charCode < 58)" >

4) Validation for first name.

We must ensure that the user enters only alphabets and no other characters like digits, special symbols are permitted. Also the user has to enter atleast one character. The field cannot be blank and we use the "required" keyword of HTML5. We may also set the maxlength attribute to our desired value so that the user does not enter more characters than the specified value. We will be using the onkeypress event for input validation.

eg: <input type = "text" name = "fname" maxlength = "20"
onkeypress = " return (event.charCode > 64 && event.
charCode < 91) || (event.charCode > 96 &&
event.charCode < 123)" required >

Conclusion: I have designed a feedback form using HTML, CSS and validated all the input fields using Javascript.