

Assignment No :- 03

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* Title :-

write a javascript code for accepting name and mobile Number from user using validation.

* Requirements :-

- ① VS code or any editor
- ② web browser

* Theory :-

Javascript is a programming language of WWW, which is preferred for creating and manipulating DOM elements. JavaScript originally known as ECMAScript. JavaScript is built in the web browser's and now day's developers can write it on the native machine without any web browser. It happens with the help of node.js. Node.js is compiler to execute javascript without any browser. it runs on V8 Engine of chrome.

Advantage :-

- ① It requires less server interaction
- ② Immediate feedback to visitors
- ③ Increased interactivity
- ④ Richer interface.

* Validation:- when client enters the all necessary data and press the submit button, from there validation is done at server side if data entered by a client is incorrect or missing, then server needs to send all data back to the client and request for resubmission of form with correct information.

(i) Basic Validation:-

First of all form must be checked to make sure all mandatory fields are filled in. It would require just a loop through each field in the form and check for data.

(ii) Data Form Validation:-

secondly the data that is entered must be checked by for correct format and its value, the code that include appropriate logic to test the correct data.

* Technology:-

Javascript can be implemented using JS statement that are placed with the `<script>`, as you can place it any where within the webpage, script tag take two important attributes.

① Language:- This specifies which scripting language are we using

② Type :- The attribute is what is now recommended to indicate the scripting language is used and it's value should be set to "text/javascript"

→ Manual testing is used to check the applied changes are as following.

③ All the fields like Full name, class Department, Address, phone no, etc.

④ Phone no. should be integer type only.

⑤ Email id should be in correct form.

* Conclusion:-

Hence we applied validation of data using JavaScript.