3.Use JavaScript for doing client – side validation of the pages implemented in experiment 1 and experiment 2.

Aim:Client side validation of login page and registration page

DESCRIPTION:HTML, CSS, and JavaScript are essential components for creating a functional responsive web application. A condensed example of a shopping cart with registration, login, catalogue, and cart pages is provided.

Project Structure:1. index.html - Main HTML file containing the structure of the web application.

2. Login.html

3. Registration.html

4.Cart.html

5.validation.js for validating the html pages

6. images/ - Folder for storing images.

Login.html

<html>

<head>

<title>Javascript Login Form Validation</title>

<!-- Include CSS File Here -->

<link rel="stylesheet" href="css/style.css"/>

<!-- Include JS File Here -->

<script src="validate.js"></script>

</head>

<body>

<h2>Javascript Login Form Validation</h2>

<form id="form\_id" method="post" name="myform">

<label>User Name :</label>

<input type="text" name="username" id="username"/>

<label>Password :</label>

<input type="password" name="password" id="password"/>

<input type="button" value="Login" id="submit" onclick="validate()"/>

</form>

</body>

</html>

validate.js

var attempt = 3;

function validate(){

var username = document.getElementById("username").value;

var password = document.getElementById("password").value;

if ( username == "welcome" && password == "welcome123"){

alert ("Login successfully");

window.location = "index.html";

return false;

}

else{

attempt --;

alert("You have left "+attempt+" attempt;");

if( attempt == 0){

document.getElementById("username").disabled = true;

document.getElementById("password").disabled = true;

document.getElementById("submit").disabled = true;

return false;

} } }

Registration form validation

<!DOCTYPE html>

<html lang="en">

<head>

<title> Form validation using HTML and JavaScript </title>

<style>

div {

box-sizing: border-box;

width: 100%;

border: 100px solid black;

float: left;

align-content: center;

align-items: center;

}

form {

margin: 0 auto;

width: 600px;

}

</style>

</head>

<body>

<h1 style="text-align: center;"> REGISTRATION FORM </h1>

<form name="RegForm" onsubmit="return registration()">

<p>

Name: <input type="text" size="65" name="Name" value="name"/>

</p>

<br />

<p>

Address: <input type="text" size="65" name="Address" placeholder="Bangalore, Karnataka"/>

</p>

<br />

<p>

E-mail Address: <input type="text" size="65" name="EMail" placeholder="demo@example.com"/>

</p>

<br />

<p>

Password: <input type="password" size="65" name="Password" />

</p>

<br />

<br />

<p>

Select Your Course:

<select value="" name="Subject">

<option>Select Course</option>

<option>BTECH</option>

<option>BBA</option>

<option>BCA</option>

<option>B.COM</option>

</select>

</p>

<br />

<br />

<p>

Comments:

<textarea cols="55" name="Comment"> </textarea>

</p>

<p>

<input type="submit" value="Send"

name="Submit" />

<input type="reset" value="Reset"

name="Reset" />

</p>

</form>

<script src="regvalidate.js">

</script>

</body>

</html>

Regvalidate.js

function registration() {

const name = document.forms.RegForm.Name.value;

const email = document.forms.RegForm.EMail.value;

const what = document.forms.RegForm.Subject.value;

const password = document.forms.RegForm.Password.value;

const address = document.forms.RegForm.Address.value;

console.log(name, email, what, password, address);

if (name === ""

|| name.includes('0') || name.includes('1')

|| name.includes('2') || name.includes('3')

|| name.includes('4') || name.includes('5')

|| name.includes('6') || name.includes('7')

|| name.includes('8') || name.includes('9')) {

window.alert

("Please enter your name properly.");

name.focus();

return false;

}

if (address === "") {

window.alert

("Please enter your address.");

address.focus();

return false;

}

if (email === "" || !email.includes('@')) {

window.alert

("Please enter a valid e-mail address.");

email.focus();

return false;

}

if (password === "") {

alert("Please enter your password");

password.focus();

return false;

}

if (password.length < 6) {

alert

("Password should be atleast 6 character long");

password.focus();

return false;

}

if(what.selectedIndex === -1) {

alert("Please enter your course.");

what.focus();

return false;

}

return true;

}