CSE 3002

INTERNET & WEB PROGRAMMING

Lab Activity 4

L29+L30 | PLB117A

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by

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Question

Design the following fields in HTML and CSS(use Box model) document using proper JAVA Script regular expression. (Do not use HTML Pattern attribute)

Design the regular expression with following conditions and test it. If not satisfied through alert and prompt user to correct it. Make all the fields to be required using HTML5.

username : minimum 8 chars
Password : Strong (16chars length, min 1 small character, min 1 capital char, min 1 digit)
Confirm password should match the normal password
Email : min one @ symbol

Solution

← → C G Search Google or type a URL

Login   sharad

Enter valid username with atleast 8 characters
Password   ••••   Weak

Enter valid password with atleast 16 characters , 1 lowercase character, 1 uppercase character , 1
digit
Confirm Password   ••••

Gender   Male ▾

Email   gmailwa

Enter valid email with atleast 1 @ symbol

Register

100% ENG 10:14 PM

← → C G Search Google or type a URL

Login   sharadindu

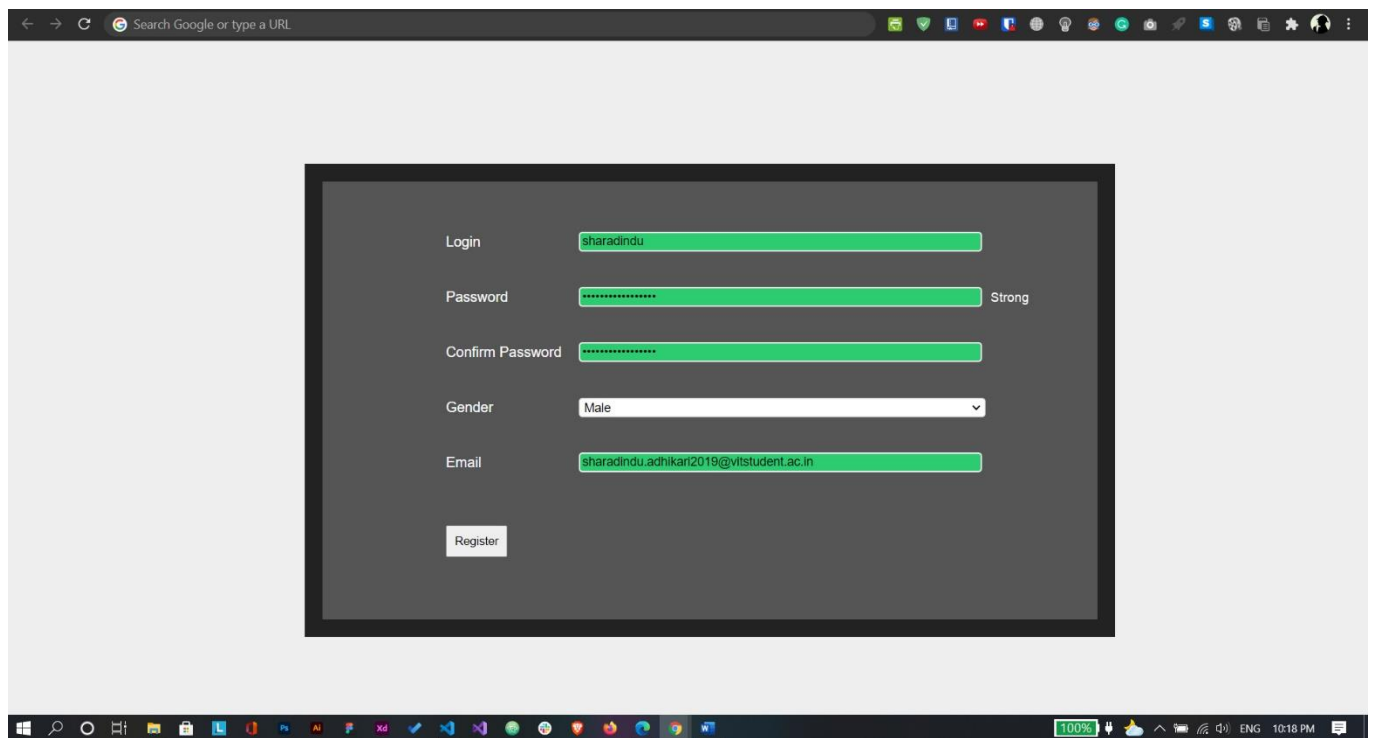Password   •••••   Weak

Enter valid password with atleast 16 characters , 1 lowercase character, 1 uppercase character , 1
digit
Confirm Password   •••••

Gender   Male ▾

Email   outlookwa

Enter valid email with atleast 1 @ symbol

Register

100% ENG 10:17 PM

HTML:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>IWP Login</title>
</head>

<body>
    <link rel="stylesheet" href="login.css">
    <div class="container">
        <div class="header">
        </div>
        <form id="form" class="form">

            <div class="form-control">
                <label for="Login">Login</label>
                <input type="text" placeholder="username" id="admin" />
                <i class="fas fa-check-circle"></i>
                <i class="fas fa-exclamation-circle"></i>
                <small>Error message</small>
            </div>

            <div class="form-control">
                <label for="Password">Password</label>
```

```html
                <input type="password" placeholder="password" id="password"/>
                <i class="fas fa-check-circle"></i>
                <i class="fas fa-exclamation-circle"></i>
                <small>Error message</small>
            </div>

            <div class="form-control">
                <label for="Password">Confirm Password</label>
                <input type="password" placeholder="confirm it" id="Confirm it"/>
                <i class="fas fa-check-circle"></i>
                <i class="fas fa-exclamation-circle"></i>
                <small>Error message</small>
            </div>

            <div class="form-control">
                <label for="gender">Gender</label>
                <select class="gender" name="gender">
                <option value="">Male</option>
                <option value="">Female</option>
                <option value="">Rather not say</option>
                </select>
            </div>

            <div class="form-control">
                <label for="username">Email</label>
                <input type="email" placeholder="iwp@vit.ac.in" id="email" />
                <i class="fas fa-check-circle"></i>
                <i class="fas fa-exclamation-circle"></i>
                <small>Error message</small>
            </div>

            <button>Register</button>
        </form>
    </div>

    <script src="login.js"></script>
</body>
</html>
```

CSS:

```css
body {
    background-color: #eeeeee;
    font-family: Arial, Helvetica, sans-serif;
    display: flex;
    align-items: center;
    justify-content: center;
    min-height: 100vh;
```

```css
    margin: 0;
}


.container{
position: absolute;
 color: white;
 width: 675px;
 height: 375px;
 border: 20px solid #222222;
 padding:100px;
 padding-top: 20px;
 margin-top: 50px;
 margin-left: 50px;
 background-color: #555555;
}

.form{
 padding: 39px 39px;
}

.form-control {
padding-bottom: 29px;
position: relative;
}

.form-control input {
 position: absolute;
 bottom:42px;
 left:150px;
 border: 2px solid #f0f0f0;
border-radius: 4px;
font-family: inherit;
 font-size: 14px;
width: 75%;
}

.form-control select {
 position: absolute;
 bottom:42px;
 left:150px;
 border: 2px solid #f0f0f0;
border-radius: 4px;
font-family: inherit;
 font-size: 14px;
width: 77%;
}

.form-control label {
display: inline-block;
margin-bottom: 15px;
```

```css
}

.form-control small {
color: #e8e7eb;
position: absolute;
bottom: 0;
left: 0;
 visibility: hidden;
}

.form-control.error small {
 color:#fbfbfa;
visibility: visible;
}

.form button{
 position: absolute;
 bottom: 70px;
 padding: 8px;
}

.form-control.success input {
 background-color: #2ecc71;
}

.form-control.error input {
 background-color:#e74c3c;
}

.form-control input:focus {
outline: 0;
border-color: #777;
}
```

JavaScript:

```javascript
const form = document.getElementById('form');
const username = document.getElementById('login');
const password = document.getElementById('pass1');
const cpassword = document.getElementById('pass2');
const email=document.getElementById('email');
const usereg= /\w{8,}/;//REGULAR EXPRESSIONS
const passreg=/^(?=.*[a-z])(?=.*[A-Z])(?=.*[0-9])(?=.{16,})/;//REGULAR EXPRESSIONS
const emreg=/^(?=.*[@])/;//REGULAR EXPRESSIONS
form.addEventListener('submit',(e)=>{
 e.preventDefault();
credcheck();
```

```javascript
});
function credcheck()
{
 const uval=username.value.trim();
 const emval=email.value.trim();ś
 const pval=password.value.trim();
 const cval=cpassword.value.trim();
 if(uval.match(usereg)===null)
 {
 setError(username,'Enter valid username with atleast 8 characters');
 }
 else
 {
 setSuccess(username);
 }
 if (emval.match(emreg)===null)
 {
 setError(email,'Enter valid email with atleast 1 @ symbol');
 }
 else
 {
 setSuccess(email);
 }
 if (pval.match(passreg)===null)
 {
 setError(password,'Enter valid password with atleast 16 characters , 1 lowercase charac
ter, 1 uppercase character , 1 digit');
 }
 else
 {
 setSuccess(password);
 }
 if (pval!==cval)
 {
 alert("Password and confirmed password are different!!!");
 }
 else
 {
 setSuccess(cpassword);
 }
}
function setError(input, message) {
const formControl = input.parentElement;
const small = formControl.querySelector('small');
formControl.className = 'form-control error';
small.innerText = message;
}
function setSuccess(input) {
const formControl = input.parentElement;
formControl.className = 'form-control success';
}
```