

# CSE 3002

INTERNET & WEB PROGRAMMING



## Lab Activity 7

L29+L30 | PLB117A

FALL SEMESTER 2021-22

by

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## Question

### Activity - 7

Mark as done

Design registration form in PHP. Validate the fields with PHP Regular expressions.



create\_user-1.png

8 October 2019, 5:08 PM

#### Create User

Username

Email

Password

Confirm Password

Display Name

Name

Nickname

Website

Bio

Jabber

AOL IM

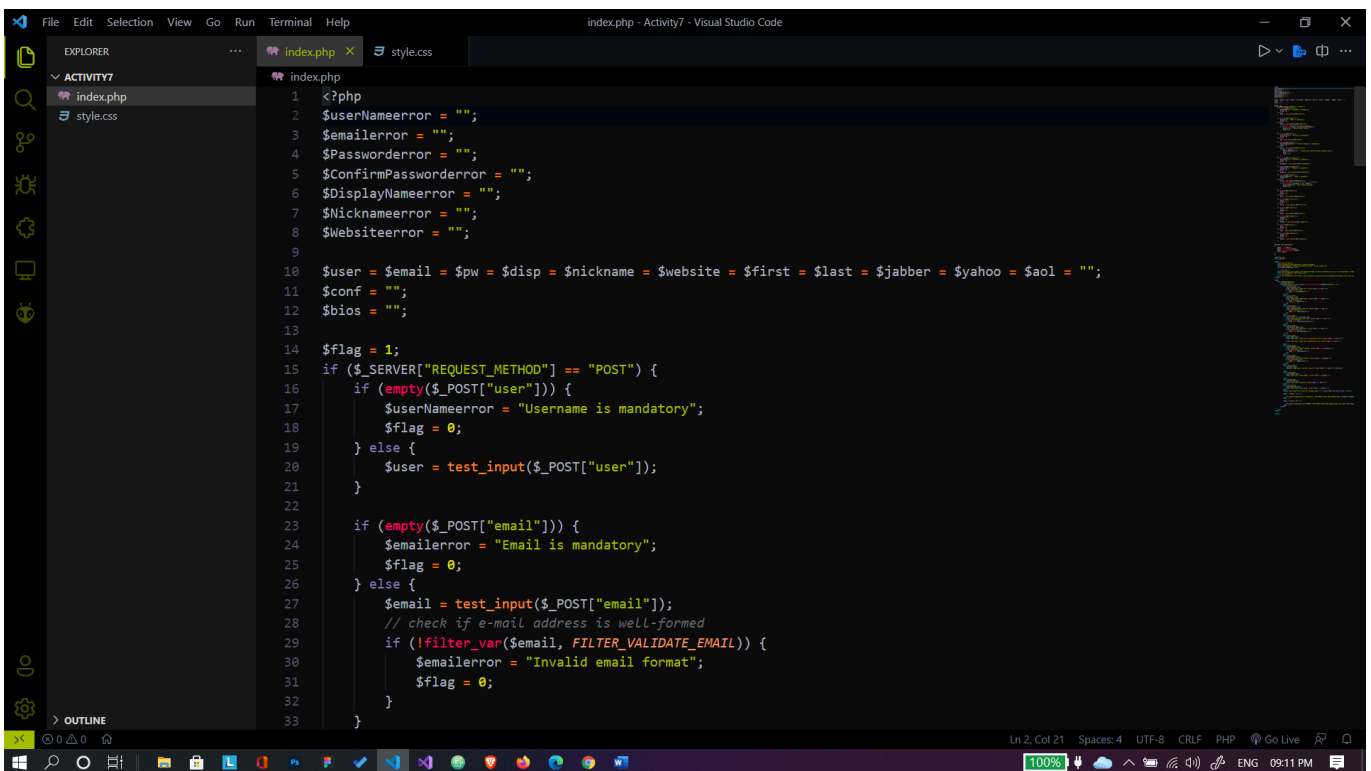
Yahoo IM

[▶ CREATE AND ACCESS](#)

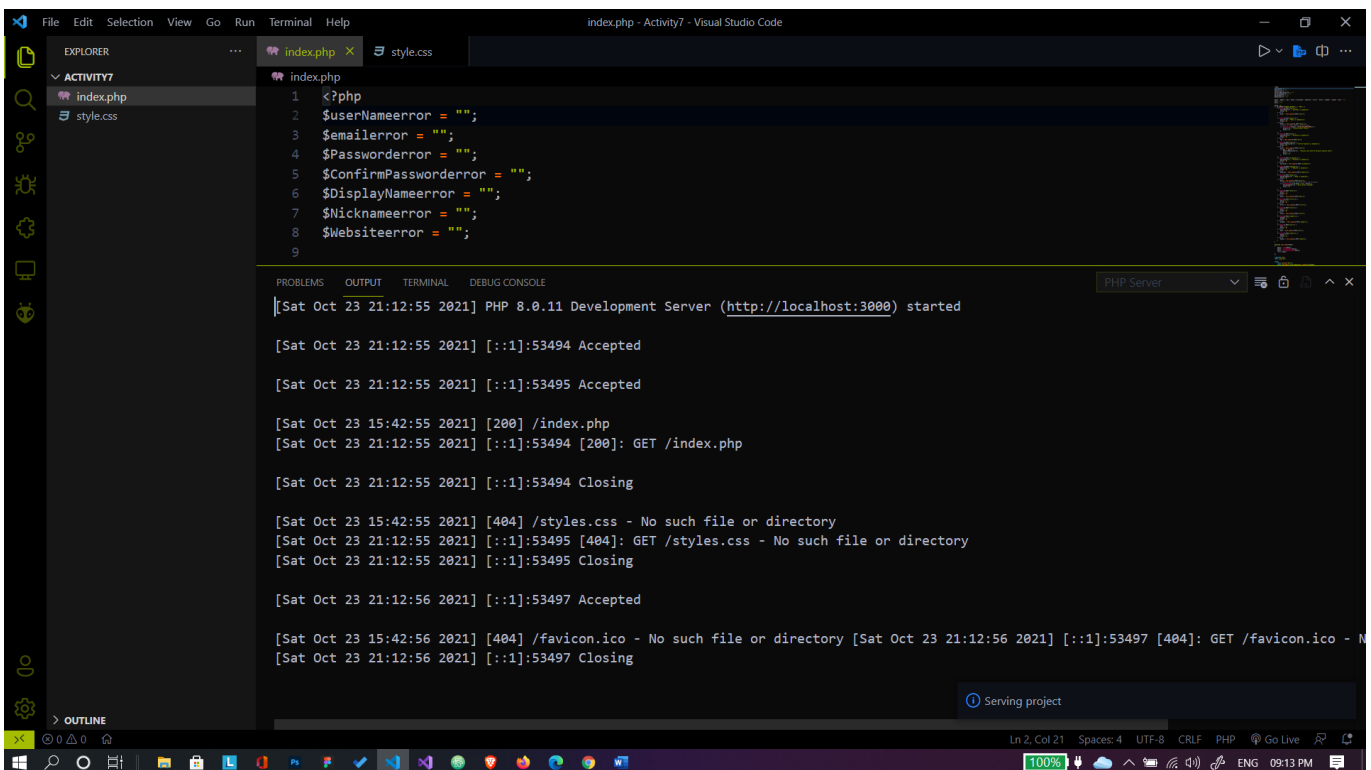
## Solution

```
1  *{
2      padding:0;
3      margin:0;
4  }
5  .containers{
6      margin-left:25%;
7      margin-top:15px;
8  }
9
10 .field{
11     padding:5px;
12     display: flex;
13     justify-content: flex-start;
14 }
15 .field span{
16     width:150px;
17     font-weight: 500;
18     font-size: 14px;;
19 }
20 .field input , .field textarea{
21     margin:0 10px;
22 }
23 input{
24     height:25px;
25 }
26 input::placeholder{
27     padding:3px;
28     font-weight: 400;
29 }
30 button{
31     padding:8px 20px;
32     width:200px;
33     background: #0697e0;
```

## PHP



```
1 <?php
2 $usernameerror = "";
3 $emailerror = "";
4 $passworderror = "";
5 $confirmPassworderror = "";
6 $displaynameerror = "";
7 $nicknameerror = "";
8 $websiteerror = "";
9
10 $user = $email = $pw = $disp = $nickname = $website = $first = $last = $jabber = $yahoo = $aol = "";
11 $conf = "";
12 $bios = "";
13
14 $flag = 1;
15 if ($_SERVER["REQUEST_METHOD"] == "POST") {
16     if (empty($_POST["user"])) {
17         $usernameerror = "Username is mandatory";
18         $flag = 0;
19     } else {
20         $user = test_input($_POST["user"]);
21     }
22
23     if (empty($_POST["email"])) {
24         $emailerror = "Email is mandatory";
25         $flag = 0;
26     } else {
27         $email = test_input($_POST["email"]);
28         // check if e-mail address is well-formed
29         if (!filter_var($email, FILTER_VALIDATE_EMAIL)) {
30             $emailerror = "Invalid email format";
31             $flag = 0;
32         }
33     }
34 }
```



```
1 <?php
2 $usernameerror = "";
3 $emailerror = "";
4 $passworderror = "";
5 $confirmPassworderror = "";
6 $displaynameerror = "";
7 $nicknameerror = "";
8 $websiteerror = "";
9
10 $user = $email = $pw = $disp = $nickname = $website = $first = $last = $jabber = $yahoo = $aol = "";
11 $conf = "";
12 $bios = "";
13
14 $flag = 1;
15 if ($_SERVER["REQUEST_METHOD"] == "POST") {
16     if (empty($_POST["user"])) {
17         $usernameerror = "Username is mandatory";
18         $flag = 0;
19     } else {
20         $user = test_input($_POST["user"]);
21     }
22
23     if (empty($_POST["email"])) {
24         $emailerror = "Email is mandatory";
25         $flag = 0;
26     } else {
27         $email = test_input($_POST["email"]);
28         // check if e-mail address is well-formed
29         if (!filter_var($email, FILTER_VALIDATE_EMAIL)) {
30             $emailerror = "Invalid email format";
31             $flag = 0;
32         }
33     }
34 }
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

[Sat Oct 23 21:12:55 2021] PHP 8.0.11 Development Server (<http://localhost:3000>) started

[Sat Oct 23 21:12:55 2021] [::1]:53494 Accepted

[Sat Oct 23 21:12:55 2021] [::1]:53495 Accepted

[Sat Oct 23 15:42:55 2021] [200] /index.php

[Sat Oct 23 21:12:55 2021] [::1]:53494 [200]: GET /index.php

[Sat Oct 23 21:12:55 2021] [::1]:53494 Closing

[Sat Oct 23 15:42:55 2021] [404] /styles.css - No such file or directory

[Sat Oct 23 21:12:55 2021] [::1]:53495 [404]: GET /styles.css - No such file or directory

[Sat Oct 23 21:12:55 2021] [::1]:53495 Closing

[Sat Oct 23 21:12:56 2021] [::1]:53497 Accepted

[Sat Oct 23 15:42:56 2021] [404] /favicon.ico - No such file or directory [Sat Oct 23 21:12:56 2021] [::1]:53497 [404]: GET /favicon.ico - No such file or directory

[Sat Oct 23 21:12:56 2021] [::1]:53497 Closing

Serving project

The form looks like this:

The screenshot shows a web browser window with the title 'PHP Validations' and the address bar displaying 'localhost:3000'. The page content is a 'Create User' form. The form includes the following fields: Username, Email, Password, Confirm Password, Display Name, Name (split into First and Last), Nickname, Website, Bio, Jabber, AOL IM, and Yahoo IM. Each field has a red asterisk indicating a required field. At the bottom of the form is a blue button labeled 'CREATE AND ACCESS'. The Windows taskbar at the bottom shows the time as 09:19 PM and the language as ENG.

Error, if the form isn't properly validated:

The screenshot shows the same 'Create User' form, but now with validation errors. The errors are: 'Invalid email format' for the Email field, 'Password and Confirm Password doesnot match' for the Password and Confirm Password fields, 'Only letters allowed' for the Display Name field, 'Nickname is mandatory' for the Nickname field, and 'Website is mandatory' for the Website field. The 'CREATE AND ACCESS' button is still present. Below the form, there is a red button labeled 'Do proper validations'. The Windows taskbar at the bottom shows the time as 09:23 PM and the language as ENG.

After proper validation:

The screenshot shows a web browser window with the address bar displaying 'localhost:3000/index.php'. The page title is 'PHP Validations'. The main content is a 'Create User' form. The form fields and their values are: Username (sharadindu), Email (sharad@gmail.com), Password (\*\*\*), Confirm Password (\*\*\*), Display Name (sharadindu), Name (sharadindu), Nickname (sharadindu), Website (sharad.ig), Bio (empty), Jabber (-), AOL IM (-), and Yahoo IM (-). A blue button labeled 'CREATE AND ACCESS' is at the bottom of the form. Below the form, a green box displays the message 'Properly Validated'. The browser's taskbar at the bottom shows various application icons and the system clock indicating 09:23 PM on 09/23/2019.

Code:

style.css

```
*{
    padding:0;
    margin:0;
}
.containers{
    margin-left:25%;
    margin-top:15px;
}
.field{
    padding:5px;
    display: flex;
    justify-content: flex-start;
}
.field span{
    width:150px;
    font-weight: 500;
    font-size: 14px;;
}
```

```
.field input , .field textarea{
  margin:0 10px;
}
input{
  height:25px;
}
input::placeholder{
  padding:3px;
  font-weight: 400;
}
button{
  padding:8px 20px;
  width:200px;
  background: #0697e0;
  color:white;
  border: none;
  margin:30px 160px;
  position: relative;
}
button i{
  transform: rotate(60deg);
  position:absolute;
  margin:0 5px;
  margin-right: 30px;
  left:10px;
  top:11px;
}
button span{
  margin-left: 20px;
  text-transform: uppercase;
  font-size: 14px;
  font-weight: 500;
}
.field .errorColor {
  color: #D30000;
}
.success{
  background-color: lightgreen;
  font-size: 3rem;
}
```

index.php

```
<?php
$usernameerror = "";
$emailerror = "";
$passworderror = "";
$confirmpassworderror = "";
$displaynameerror = "";
$nicknameerror = "";
$websiteerror = "";

$user = $email = $pw = $disp = $nickname = $website = $first = $last = $jabber = $yahoo =
$aol = "";
$conf = "";
$bios = "";

$flag = 1;
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    if (empty($_POST["user"])) {
        $usernameerror = "Username is mandatory";
        $flag = 0;
    } else {
        $user = test_input($_POST["user"]);
    }

    if (empty($_POST["email"])) {
        $emailerror = "Email is mandatory";
        $flag = 0;
    } else {
        $email = test_input($_POST["email"]);
        // check if e-mail address is well-formed
        if (!filter_var($email, FILTER_VALIDATE_EMAIL)) {
            $emailerror = "Invalid email format";
            $flag = 0;
        }
    }

    if (empty($_POST["pw"])) {
        $passworderror = "Password is mandatory";
        $flag = 0;
    } else {
        $pw = test_input($_POST["pw"]);
    }

    if (empty($_POST["conf"])) {
        $confirmpassworderror = "Confirm Password is mandatory";
        $flag = 0;
    }
}
```

```
} else {
    $conf = test_input($_POST["conf"]);
    if ($pw != $conf) {
        $ConfirmPassworderror = "Password and Confirm Password doesnot match";
        $conf = "";
        $flag = 0;
    }
}
if (empty($_POST["nickname"])) {
    $Nicknameerror = "Nickname is mandatory";
    $flag = 0;
} else {
    $nickname = test_input($_POST["nickname"]);
}
if (empty($_POST["website"])) {
    $Websiteerror = "Website is mandatory";
    $flag = 0;
} else {
    $website = test_input($_POST["website"]);
}
if (empty($_POST["disp"])) {
    $DisplayNameerror = "Name is mandatory";
    $flag = 0;
} else {
    $disp = test_input($_POST["disp"]);
    // check if name only contains letters and whitespace
    if (!preg_match("/^[a-zA-Z-' ]*$/", $disp)) {
        $DisplayNameerror = "Only letters allowed";
        $flag = 0;
    }
}
if (empty($_POST["bios"])) {
    $bios = "";
    $flag = 0;
} else {
    $bios = test_input($_POST["bios"]);
}
if (empty($_POST["first"])) {
    $first = "";
    $flag = 0;
} else {
    $first = test_input($_POST["first"]);
}
if (empty($_POST["last"])) {
```



```
$last = "";
$flag = 0;
} else {
    $last = test_input($_POST["last"]);
}
if (empty($_POST["jabber"])) {
    $jabber = "";
    $flag = 0;
} else {
    $jabber = test_input($_POST["jabber"]);
}
if (empty($_POST["aol"])) {
    $aol = "";
    $flag = 0;
} else {
    $aol = test_input($_POST["aol"]);
}
if (empty($_POST["yahoo"])) {
    $yahoo = "";
    $flag = 0;
} else {
    $yahoo = test_input($_POST["yahoo"]);
}
}
```

```
function test_input($data)
```

```
{
    $data = trim($data);
    $data = stripslashes($data);
    $data = htmlspecialchars($data);
    return $data;
}
?>
```

```
<!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>PHP Validations</title>
```

```
<!-- BOOTSTRAP -->
```

```
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-1BmE4kWBq78iYhFldvKuhfTAU6auU8tT94WrHftjDbrCEXSU1oBoqyl2QvZ6jIW3" crossorigin="anonymous">
<link rel="stylesheet" href="styles.css">
<!-- FONT AWESOME -->
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.0.0-beta2/css/all.min.css">
</head>

<body>
<div class="containers">
  <h2>Create User</h2>
  <form method="post" action="<?php echo htmlspecialchars($_SERVER["PHP_SELF"]); ?>">
    <div class="field">
      <span>Username</span>
      <input type="text" name="user" value="<?php echo $user ?>">
      <p class="errorColor">*<br>
        <?php echo $userNameerror ?>
      </p>
    </div>
    <div class="field">
      <span>Email</span>
      <input type="text" name="email" value="<?php echo $email ?>">
      <p class="errorColor">*<br>
        <?php echo $emailerror ?>
      </p>
    </div>
    <div class="field">
      <span>Password</span>
      <input type="password" name="pw" value="<?php echo $pw ?>">
      <p class="errorColor">*<br>
        <?php echo $Passworderror ?>
      </p>
    </div>
    <div class="field">
      <span>Confirm <br> Password</span>
      <input type="password" name="conf" value="<?php echo $conf ?>">
      <p class="errorColor">*<br>
        <?php echo $ConfirmPassworderror ?>
      </p>
    </div>
    <div class="field">
      <span>Display Name</span>
      <input type="text" name="disp" value="<?php echo $disp ?>">
      <p class="errorColor">*<br>
        <?php echo $DisplayNameerror ?>
    </div>
  </div>
</form>
</body>
</html>
```

```
</p>
</div>
<div class="field">
  <span>Name</span>
  <input type="text" name="first" placeholder="First" value="<?php echo $first ?>">

  <input type="text" name="last" placeholder="Last" value="<?php echo $last ?>">

</div>
<div class="field">
  <span>Nickname</span>
  <input type="text" name="nickname" value="<?php echo $nickname ?>">
  <p class="errorColor">*<br>
    <?php echo $Nicknameerror ?>
  </p>
</div>
<div class="field">
  <span>Website</span>
  <input type="text" name="website" value="<?php echo $website ?>">
  <p class="errorColor">*<br>
    <?php echo $Websiteerror ?>
  </p>
</div>
<div class="field">
  <span>Bio</span>
  <textarea name="bios" cols="50" rows="3" value="<?php echo $bios ?>"></textarea>

</div>
<div class="field">
  <span>Jabber</span>
  <input type="text" name="jabber" value="<?php echo $jabber ?>">

</div>
<div class="field">
  <span>AOL IM</span>
  <input type="text" name="aol" value="<?php echo $aol ?>">
</div>
<div class="field">
  <span>Yahoo IM</span>
  <input type="text" name="yahoo" value="<?php echo $yahoo ?>">
</div>
<button type="submit"><i class="fas fa-paper-plane"></i> <span>Create and access</span> </button>

<?php if ($flag == 1) { ?>
```

```
<h5 style="background-color:lightgreen; width:300px;height:50px;padding:10px;">Properly Validated</h5>
<?php } ?>

<?php if ($flag == 0) { ?>

<h5 style="background-color:#D30000; width:300px;height:50px;padding:10px;color:white">Do proper
validations</h5>
<?php } ?>
</form>

</div>
</body>

</html>
```

---