# 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

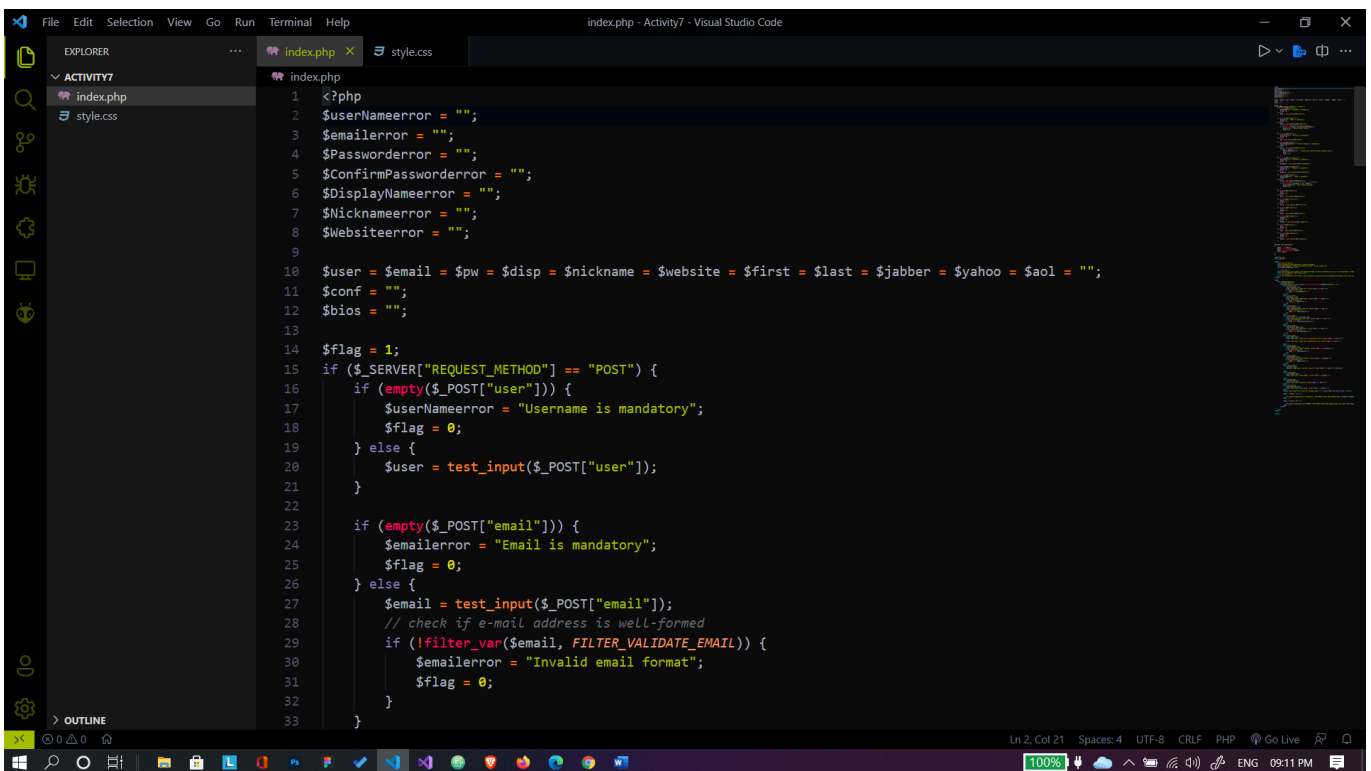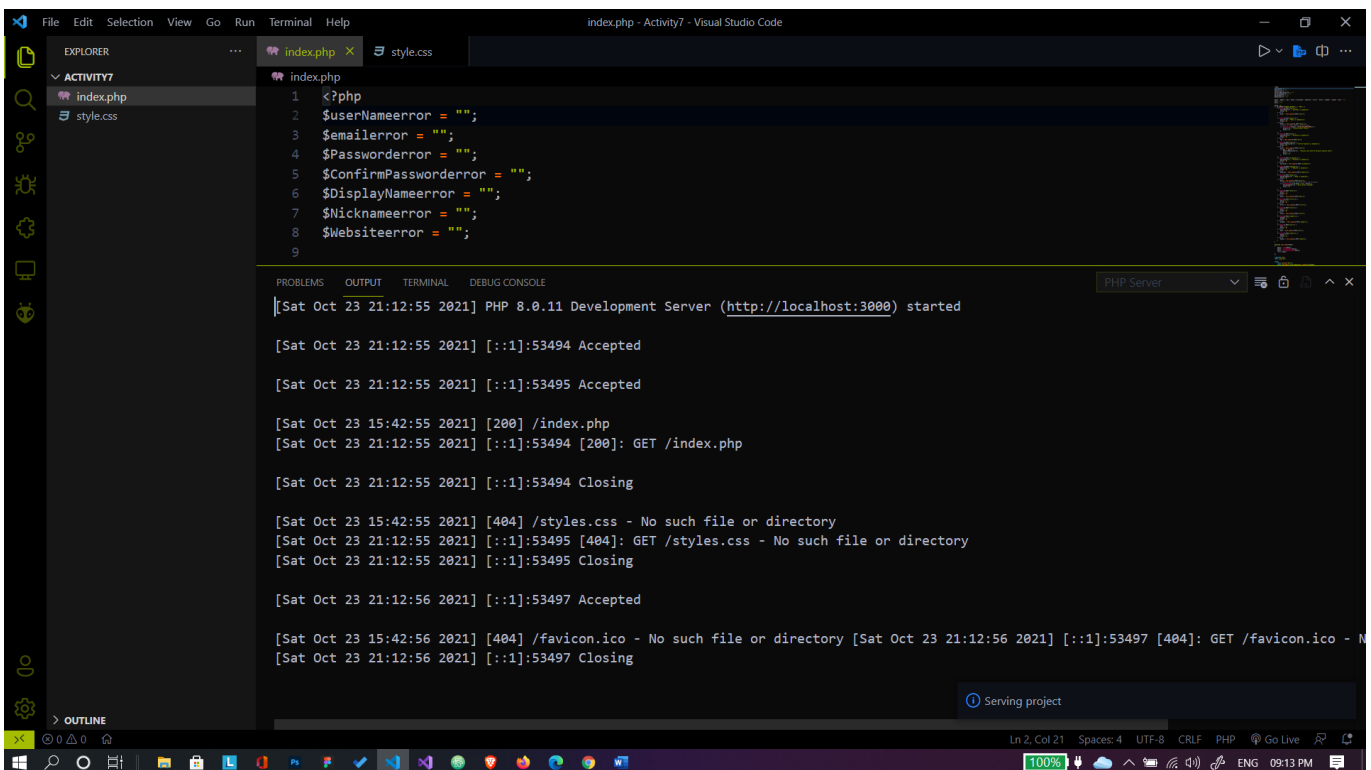| | |
|---|---|
| Username | |
| Email | |
| Password | |
| Confirm Password | |
| Display Name | |
| Name | First   Last |
| Nickname | |
| Website | |
| Bio | |
| Jabber | |
| AOL IM | |
| Yahoo IM | |

CREATE AND ACCESS

**Solution**

```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;
```

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# PHP

```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;
        }
    }
}
```

```php
<?php
$userNameerror = "";
$emailerror = "";
$Passworderror = "";
$ConfirmPassworderror = "";
$DisplayNameerror = "";
$Nicknameerror = "";
$Websiteerror = "";
```

```
PROBLEMS    OUTPUT    TERMINAL    DEBUG CONSOLE                                          PHP Server

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

The form looks like this:



Error, if the form isn't properly validated:

After proper validation:



**Code:**

*style.css*

```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;;
}
```

```css
.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;
}
```

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### index.php

```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;
```

```php
  } 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"])) {
```

```php
      $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 -->
```

```html
    <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">*
          <?php echo $userNameerror ?>
        </p>
      </div>
      <div class="field">
        <span>Email</span>
        <input type="text" name="email" value="<?php echo $email ?>">
        <p class="errorColor">*
          <?php echo $emailerror ?>
        </p>
      </div>
      <div class="field">
        <span>Password</span>
        <input type="password" name="pw" value="<?php echo $pw ?>">
        <p class="errorColor">*
          <?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">*
          <?php echo  $ConfirmPassworderror ?>
        </p>
      </div>
      <div class="field">
        <span>Display Name</span>
        <input type="text" name="disp" value="<?php echo $disp ?>">
        <p class="errorColor">*
          <?php echo  $DisplayNameerror ?>
```

```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">*
        <?php echo  $Nicknameerror ?>
      </p>
    </div>
    <div class="field">
      <span>Website</span>
      <input type="text" name="website" value="<?php echo $website ?>">
      <p class="errorColor">*
        <?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) { ?>
```

```php
        <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>
```

_____