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Question1: create a:

1. Login page: This page has several text boxes and one submit button. The text boxes are used to collect name, email, gender, and address that includes street address, city, state, and zip code.

   Add the following PHP validation to your page:
   1. Make all text fields required.
   2. Make sure user can only enter characters and white space in name field.
   3. Make sure to remove any space before the name and email.
   4. Make sure email is valid email.
   5. Make sure the gender is selected.
   6. Make sure the user can only enter numbers in zip code.

#Code

Login.php

```php
<form action='<?php echo htmlspecialchars($_SERVER["PHP_SELF"]);?>' method="POST">


<?php



$nameErr=$emailErr=$genderErr=$addressErr=$cityErr=$stateErr=$zipErr="";
  $name=$email=$gender=$address=$city=$state=$zip="";
```

```php
if ($_SERVER["REQUEST_METHOD"] == "POST") {

  if (empty($_POST["name"])) {
    $nameErr = "Name is required";
  } else {
    $name = test_input($_POST["name"]);
if (!preg_match("/^[a-zA-Z-' ]*$/",$name)) {
  $nameErr = "Only letters and white space allowed";
}
    $name = test_input($_POST["name"]);
  }

  if (empty($_POST["email"])) {
    $emailErr = "Email is required";
  } else {
    $email = test_input($_POST["email"]);
if (!filter_var($email, FILTER_VALIDATE_EMAIL)) {
  $emailErr = "Invalid email format";
}
    $email = test_input($_POST["email"]);
  }

  if (empty($_POST["gender"])) {
    $genderErr = "Gender is required";
  } else {
```

```php
        $gender = test_input($_POST["gender"]);
    }

    if (empty($_POST["address"])) {
        $addressErr = "Address is required";
    } else {
        $address = test_input($_POST["address"]);
    }

    if (empty($_POST["city"])) {
        $cityErr = "City is required";
    } else {
        $city = test_input($_POST["city"]);
    }

    if (empty($_POST["state"])) {
        $stateErr = "State is required";
    } else {
        $state = test_input($_POST["state"]);
    }

    if (empty($_POST["zip"])) {
        $zipErr = "Zip is required";
    } else {
        $zip = test_input ($_POST["zip"]);
if (preg_match("/^[a-zA-Z-' ]*$/",$zip)) {
```

```php
      $zipErr = "Only numbers allowed";
}
    $zip = test_input($_POST["zip"]);
  }
}


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

```html
<!DOCTYPE html>
<html lang="en" dir="ltr">
  <head>
    <meta charset="utf-8">
```

```html
    <title></title>
    <link rel="stylesheet" href="style.css">
  </head>
<body>
  <h2>Registration Form</h2>
<div>
  <label for="">Username:</label>
  <input type="text" name="name">
  <span class="error">* <?php echo $nameErr;?></span>
  <br><br>

  <label for="">Email:</label>
  <input type="text" name="email">
  <span class="error">* <?php echo $emailErr;?></span>
  <br><br>

  <label for="">Gender:</label>
  <input type="radio" name="gender" value="female">Female
  <input type="radio" name="gender" value="male">Male
  <input type="radio" name="gender" value="other">Other
  <span class="error">* <?php echo $genderErr;?></span>
  <br><br>

  <label for="">Home Address:</label>
  <input type="text" name="address">
```

```html
<span class="error">* <?php echo $addressErr;?></span>
<br><br>


<label for="">City:</label>
<input type="text" name="city">
<span class="error">* <?php echo $cityErr;?></span>
<br><br>


<label for="">State:</label>
<input type="text" name="state">
<span class="error">* <?php echo $stateErr;?></span>
<br><br>


<label for="">Zipcode:</label>
<input type="text" name="zip">
<span class="error">* <?php echo $zipErr;?></span>
<br><br>


<input type="submit" name="submit" value="Submit"></form>


</div>
</body>
</html>
```

```css
h2 {
  text-align:center
}


body  {
margin: auto;
width: 50%;
border: 3px solid green;
padding: 100px;
background-color: #d8f8b7


}
div {
  text-align:center


}
```

Screenshots

Registration Form

Username: [John Smith] *

Email: [john123@gmail.com] *

Gender: ◯ Female ⦿ Male ◯ Other *

Home Address: [7710, 219th street] *

City: [Miami] *

State: [Florida] *

Zipcode: [4242] *

[Submit]

Registration Form

Username: [   ] *

Email: [   ] *

Gender: ◯ Female ⦿ Male ◯ Other *

Home Address: [8967, 214th street] *

City: [Miami] *

State: [Florida] *

Zipcode: [6726] *

[Submit]

Registration Form

Username: [   ] * Name is required

Email: [   ] * Email is required

Gender: ◯ Female ◯ Male ◯ Other *

Home Address: [   ] *

City: [   ] *

State: [   ] *

Zipcode: [   ] *

[Submit]

Registration Form

Username: [_____] * Name is required

Email: [ashjhdajs] * Email is required

Gender: ○ Female ● Male ○ Other *

Home Address: [ashjdjasdh] *

City: [sjadjd] *

State: [_____] *

Zipcode: [asjhadsj] *

[Submit]

Registration Form

Username: [_____] * Name is required

Email: [_____] * Invalid email format

Gender: ○ Female ○ Male ○ Other *

Home Address: [_____] *

City: [_____] *

State: [_____] * State is required

Zipcode: [_____] * Only numbers allowed

[Submit]