

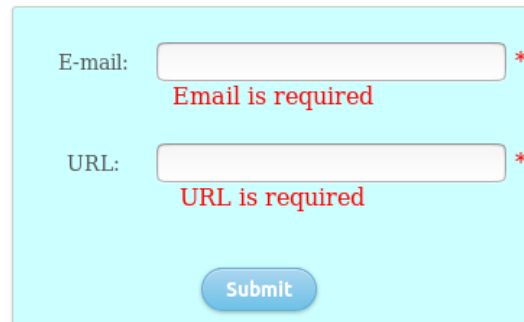
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**Problem Statement:- Validate URL, Email, Required using
functions empty, preg_match,
filter_var in PHP.**

Validating blank inputs:

PHP Form Validation Example

* required field

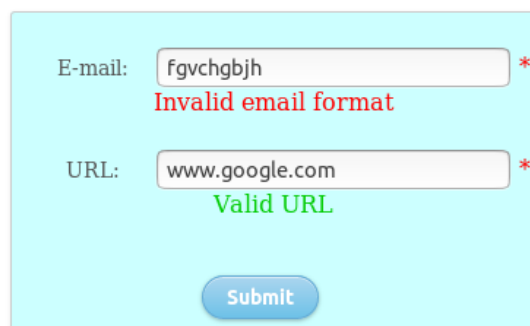


A form with a light blue background and a thin red border. It contains two input fields. The first is labeled 'E-mail:' and is empty, with a red asterisk to its right. Below the input field, the text 'Email is required' is displayed in red. The second is labeled 'URL:' and is also empty, with a red asterisk to its right. Below this input field, the text 'URL is required' is displayed in red. At the bottom center of the form is a blue 'Submit' button.

Valid URL, Invalid Email :

PHP Form Validation Example

* required field

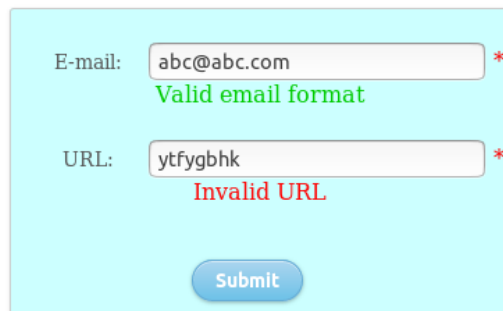


A form with a light blue background and a thin red border. It contains two input fields. The first is labeled 'E-mail:' and contains the text 'fgvchgbjh', with a red asterisk to its right. Below the input field, the text 'Invalid email format' is displayed in red. The second is labeled 'URL:' and contains the text 'www.google.com', with a red asterisk to its right. Below this input field, the text 'Valid URL' is displayed in green. At the bottom center of the form is a blue 'Submit' button.

Invalid URL, Valid Email :

PHP Form Validation Example

* required field



A form with a light blue background and a thin border. It contains two input fields. The first field is labeled 'E-mail:' and contains the text 'abc@abc.com'. Below it, the text 'Valid email format' is displayed in green. The second field is labeled 'URL:' and contains the text 'ytfygbhk'. Below it, the text 'Invalid URL' is displayed in red. Both fields have a small red asterisk to their right. At the bottom center is a blue 'Submit' button.

E-mail: *

Valid email format

URL: *

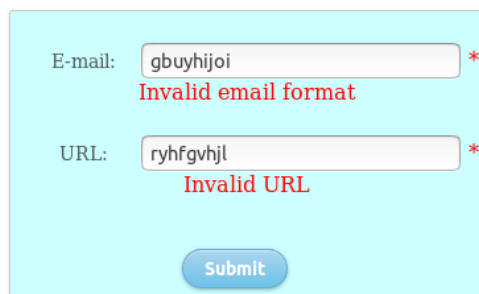
Invalid URL

Submit

Invalid URL, Invalid Email:

PHP Form Validation Example

* required field



A form with a light blue background and a thin border. It contains two input fields. The first field is labeled 'E-mail:' and contains the text 'gbuyhijoi'. Below it, the text 'Invalid email format' is displayed in red. The second field is labeled 'URL:' and contains the text 'ryhfgvhjl'. Below it, the text 'Invalid URL' is displayed in red. Both fields have a small red asterisk to their right. At the bottom center is a blue 'Submit' button.

E-mail: *

Invalid email format

URL: *

Invalid URL

Submit

Valid URL, Valid Email:

PHP Form Validation Example

* required field

E-mail: *

Valid email format

URL: *

Valid URL

Code:

```
<!DOCTYPE HTML>
<html>
<head>
  <style>
    .error {color: #FF0000;}
    .correct {color: #00CC00;}
    #container {
      position: fixed;
      width: 360px;
      height: 220px;
      top: 50%;
      left: 50%;
      margin-top: -140px;
      margin-left: -170px;
      background: #CCFFFF;
      border-radius: 3px;
      border: 1px solid #ccc;
      box-shadow: 0 1px 2px rgba(0, 0, 0, .1);
    }
    form {
      margin: 0 auto;
      margin-top: 20px;
      /*text-align: center;*/
    }

    label {
      color: #555;
      display: inline-block;
      margin-left: 8px;
      padding-top: 10px;
      font-size: 14px;
      width : 85px;
    }
```

```

input[type=submit] {
    float: center;
    margin-right: 20px;
    margin-top: 20px;
    width: 80px;
    height: 30px;
    font-size: 14px;
    font-weight: bold;
    color: #fff;
    background-color: #acd6ef; /*IE fallback*/
    background-image: -webkit-gradient(linear, left top, left
bottom, from(#acd6ef), to(#6ec2e8));
    background-image: -moz-linear-gradient(top left 90deg,
#acd6ef 0%, #6ec2e8 100%);
    background-image: linear-gradient(top left 90deg, #acd6ef 0%,
#6ec2e8 100%);
    border-radius: 30px;
    border: 1px solid #66add6;
    box-shadow: 0 1px 2px rgba(0, 0, 0, .3), inset 0 1px 0 rgba(255,
255, 255, .5);
    cursor: pointer;
}
</style>
</head>
<body>

```

```

<?php
// define variables and set to empty values
$emailErr = $websiteErr = "";
$email = $website = "";

```

```

if ($_SERVER["REQUEST_METHOD"] == "POST") {
    if (empty($_POST["email"])) {
        $emailErr = "Email is required";
    }
}

```

```

} else {
    $email = test_input($_POST["email"]);
    // check if e-mail address is well-formed
    if (!filter_var($email, FILTER_VALIDATE_EMAIL)) {
        $emailErr = "Invalid email format";
    }
    if (filter_var($email, FILTER_VALIDATE_EMAIL) && !
empty($_POST["email"])) {
        $emailcor = "Valid email format";
    }
}

if (empty($_POST["website"])) {
    $websiteErr = "URL is required";
} else {
    $website = test_input($_POST["website"]);
    // check if URL address syntax is valid
    if (!preg_match("/^b(?:(:https?|ftp):\\V|www\\.)([-a-z0-9+&@#\\V
%?=~_|!:,.;]*[-a-z0-9+&@#\\V%=~_|]/i",$website)) {
        $websiteErr = "Invalid URL";
    }
    if (preg_match("/^b(?:(:https?|ftp):\\V|www\\.)([-a-z0-9+&@#\\V
%?=~_|!:,.;]*[-a-z0-9+&@#\\V%=~_|]/i",$website) && !
empty($_POST["website"])) {
        $websitecor = "Valid URL";
    }
}

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

```

?>

```
<center>
<h2>PHP Form Validation Example</h2>
<p><span class="error">* required field</span></p>
<div id = "container">
<form method="post" action="<?php echo
htmlspecialchars($_SERVER["PHP_SELF"]);?>">
  <label>E-mail: </label><input type="text" name="email">
  <span class="error">* <?php echo $emailErr;?></span>
  <span class="correct"><?php echo $emailcor;?></span>
  <br><br>
  <label>URL: </label><input type="text" name="website">
  <span class="error">* <?php echo $websiteErr;?></span>
  <span class="correct"><?php echo $websitecor;?></span>
  <br><br>
  <input type="submit" name="submit" value="Submit">
  <!-- <input type="reset" name="submit" value="Reset"> -->
</form></center></div>

</body>
</html>
```

References :

<https://www.w3schools.com/php/DEFAULT.asp>