

jQuery Validation

Definition

- jQuery is a lightweight, “write less, do more”, JavaScript library.
- jQuery makes it much easier to use JavaScript on your website.
- jQuery plugin makes simple client-side form validation easy.

How to use jQuery and jQuery Validation

- First create a simple html form (you can add CSS to your form)
- Then include jQuery script to use jQuery features
- Then include jQuery validation plugin script to use jQuery validation plugins
- Then include your filename.js script
- You can include script before or after body tag
- Then add validation rules to your filename.js script
- Then open your html file and do testing.
- Note: You can search jQuery, jQuery validation library in google.

```

<div class="row sign-info">
  <div class="container">
    <form action="signup_page.php" method="POST" id="registration" name="registration">
      <div class="form-group">
        <label for="firstname">First Name:</label>
        <input type="text" class="form-control" id="firstname" name="firstname" >
      </div>
      <div class="form-group">
        <label for="lastname">Last Name:</label>
        <input type="text" class="form-control" id="lastname" name="lastname" >
      </div>
      <div class="form-group">
        <label for="phoneno">Phone No:</label>
        <input type="number" class="form-control" id="phoneno" name="phoneno" >
      </div>
      <div class="form-group">
        <label for="email">Email address:</label>
        <input type="email" class="form-control" id="email" name="email" >
      </div>
      <div class="form-group">
        <label for="pwd">Password:</label>
        <input type="password" class="form-control" id="pwd" name="pwd" >
      </div>
      <button type="submit" class="btn btn-default btn-block">Sign up</button>
      <br/>
      <a href="login.php"><input type="button" value="Already Registered!!" class="btn btn-default btn-block"/></a>
      <br />
    </form>
  </div>
</div>

```

```
</div>
```

```
</body>
```

```
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>
```

```
<!--jquery validation plugin-->
```

```
<script src="https://cdnjs.cloudflare.com/ajax/libs/jquery-validate/1.19.1/jquery.validate.min.js"></script>
```

```
<!--validation jquery script-->
```

```
<script src="form_validation.js"></script>
```

JS form_validation.js > ready() callback

```
1  $(document).ready(function() {
2      //validation rules
3      $("#registration").validate({
4          rules: {
5              firstname: "required",
6              lastname: {
7                  required: true,
8                  minlength: 3
9              },
10             phoneno: {
11                 required: true,
12                 number: true,
13                 minlength: 8
14             },
15             email: {
16                 required: true,
17                 email: true
18             },
19             pwd: {
20                 required: true,
21                 minlength: 3,
22             }
23         },
24         messages: {
25             firstname: 'First name can not be empty!!',
26             lastname: {
27                 required: 'Last name can not be empty!!',
28                 minlength: 'Must be 3 characters or more!!'
29             },
30             phoneno: {
31                 required: 'Phone no can not be empty!!',
32                 minlength: 'Must be 8 numbers or more!!'
33             },
34             email: {
35                 required: 'Email can not be empty!!',
36                 email: 'Enter a valid email!!'
37             },
38             pwd: {
39                 required: 'Password can not be empty',
40                 minlength: 'Must be 3 characters or more!!'
41             }
42         },
43         submitHandler: function(form) {
44             form.submit();
45         }
46     });
47 }
```



Sign up



First Name:

Last Name:

Phone No:

Email address:

Password:

Sign up

Already Registered!!



Sign up



First Name:

First name can not be empty!!

Last Name:

Last name can not be empty!!

Phone No:

Phone no can not be empty!!

Email address:

This field is required.

Password:

Password can not be empty

Sign up

Already Registered!!

List of built-in Validation methods

A set of standard validation methods is provided:

- [required](#) – Makes the element required.
- [remote](#) – Requests a resource to check the element for validity.
- [minlength](#) – Makes the element require a given minimum length.
- [maxlength](#) – Makes the element require a given maximum length.
- [rangelength](#) – Makes the element require a given value range.
- [min](#) – Makes the element require a given minimum.
- [max](#) – Makes the element require a given maximum.
- [range](#) – Makes the element require a given value range.
- [step](#) – Makes the element require a given step.
- [email](#) – Makes the element require a valid email
- [url](#) – Makes the element require a valid url
- [date](#) – Makes the element require a date.
- [dateISO](#) – Makes the element require an ISO date.
- [number](#) – Makes the element require a decimal number.
- [digits](#) – Makes the element require digits only.
- [equalTo](#) – Requires the element to be the same as another one

Reference

- [Jquery.com](http://jquery.com)
- jqueryvalidation.org