Bootstrap 4 Forms

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Bootstrap 4's Default Settings

Form controls automatically receive some global styling with Bootstrap:

All textual `<input>`, `<textarea>`, and `<select>` elements with class `.form-control` have a width of 100%.

Bootstrap 4 Form Layouts

Bootstrap provides two types of form layouts:

- Stacked (full-width) form
- Inline form

Bootstrap 4 Stacked Form

Email:

Enter email

Password:

Enter password

☐ Remember me

Submit

The following example creates a stacked form with two input fields, one checkbox, and a submit button.

Add a wrapper element with `.form-group`, around each form control, to ensure proper margins:

Example

```
<form class="attributecolor" style="color:red"> action="attributevaluecolor" style="color:mediumblue">="/action_page.php"="tagcolor" style="color:mediumblue">>
  <div class="attributecolor" style="color:red"> class="attributevaluecolor" style="color:mediumblue">="form-group"="tagcolor" style="color:mediumblue">>
    <label class="attributecolor" style="color:red"> for="attributevaluecolor" style="color:mediumblue">="email"="tagcolor" style="color:mediumblue">>Email address:</label class="tagcolor" style="color:mediumblue">>
    <input class="attributecolor" style="color:red"> type="attributevaluecolor" style="color:mediumblue">="email" class="attributevaluecolor" style="color:mediumblue">="form-control" placeholder="attributevaluecolor" style="color:mediumblue">="Enter email" id="attributevaluecolor" style="color:mediumblue">="email"="tagcolor" style="color:mediumblue">>
  </div class="tagcolor" style="color:mediumblue">>
  <div class="attributecolor" style="color:red"> class="attributevaluecolor" style="color:mediumblue">="form-group"="tagcolor" style="color:mediumblue">>
    <label class="attributecolor" style="color:red"> for="attributevaluecolor" style="color:mediumblue">="pwd"="tagcolor" style="color:mediumblue">>Password:</label class="tagcolor" style="color:mediumblue">>
    <input class="attributecolor" style="color:red"> type="attributevaluecolor"
```

```
style="color:mediumblue">="password" class="attributevaluecolor"
style="color:mediumblue">="form-control" placeholder="attributevaluecolor"
style="color:mediumblue">="Enter password" id="attributevaluecolor"
style="color:mediumblue">="pwd"="tagcolor" style="color:mediumblue">>
  </div class="tagcolor" style="color:mediumblue">>
  <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="form-group form-check"="tagcolor"
style="color:mediumblue">>
    <label class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="form-check-label"="tagcolor" style="color:mediumblue">>
      <input class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="form-check-input" type="attributevaluecolor"
style="color:mediumblue">="checkbox"="tagcolor" style="color:mediumblue">>
Remember me
    </label class="tagcolor" style="color:mediumblue">>
  </div class="tagcolor" style="color:mediumblue">>
  <button class="attributecolor" style="color:red"> type="attributevaluecolor"
style="color:mediumblue">="submit" class="attributevaluecolor"
style="color:mediumblue">="btn btn-primary"="tagcolor"
style="color:mediumblue">>Submit</button class="tagcolor"
style="color:mediumblue">>
</form class="tagcolor" style="color:mediumblue">>
```

Try it Yourself »

Bootstrap Inline Form

Email: [Enter email] Password: [Enter password] ☐ Remember me [Submit]

In an inline form, all of the elements are inline and left-aligned.

Note: This only applies to forms within viewports that are at least 576px wide. On screens smaller than 576px, it will stack horizontally.

Additional rule for an inline form:

- Add class `.form-inline` to the `<form>` element

The following example creates an inline form with two input fields, one checkbox, and one submit button:

Example

```
<form class="attributecolor" style="color:red"> class="attributevaluecolor" style="color:mediumblue">="form-inline" action="attributevaluecolor" style="color:mediumblue">="/action_page.php"="tagcolor" style="color:mediumblue">>
  <label class="attributecolor" style="color:red"> for="attributevaluecolor" style="color:mediumblue">="email"="tagcolor" style="color:mediumblue">>Email address:</label class="tagcolor" style="color:mediumblue">>
  <input class="attributecolor" style="color:red"> type="attributevaluecolor" style="color:mediumblue">="email" class="attributevaluecolor" style="color:mediumblue">="form-control" placeholder="attributevaluecolor" style="color:mediumblue">="Enter email" id="attributevaluecolor" style="color:mediumblue">="email"="tagcolor" style="color:mediumblue">>
  <label class="attributecolor" style="color:red"> for="attributevaluecolor" style="color:mediumblue">="pwd"="tagcolor" style="color:mediumblue">>Password:</label class="tagcolor" style="color:mediumblue">>
  <input class="attributecolor" style="color:red"> type="attributevaluecolor" style="color:mediumblue">="password" class="attributevaluecolor" style="color:mediumblue">="form-control" placeholder="attributevaluecolor" style="color:mediumblue">="Enter password" id="attributevaluecolor" style="color:mediumblue">="pwd"="tagcolor" style="color:mediumblue">>
  <div class="attributecolor" style="color:red"> class="attributevaluecolor" style="color:mediumblue">="form-check"="tagcolor" style="color:mediumblue">>
    <label class="attributecolor" style="color:red"> class="attributevaluecolor" style="color:mediumblue">="form-check-label"="tagcolor" style="color:mediumblue">>
      <input class="attributecolor" style="color:red"> class="attributevaluecolor" style="color:mediumblue">="form-check-input" type="attributevaluecolor" style="color:mediumblue">="checkbox"="tagcolor" style="color:mediumblue">>Remember me
    </label class="tagcolor" style="color:mediumblue">>
```

```
</div class="tagcolor" style="color:mediumblue">>
  <button class="attributecolor" style="color:red"> type="attributevaluecolor"
style="color:mediumblue">="submit" class="attributevaluecolor"
style="color:mediumblue">="btn btn-primary"="tagcolor"
style="color:mediumblue">>Submit</button class="tagcolor"
style="color:mediumblue">>
</form class="tagcolor" style="color:mediumblue">>
```

Inline Form with Utilities

The inline form above feels "compressed", and will look much better with Bootstrap's spacing utilities. The following example adds a right margin (`.mr-sm-2`) to each input on all devices (small and up). And a margin bottom class (`.mb-2`) is used to style the input field when it breaks (goes from horizontal to vertical due to not enough space/width):

Email: [Enter email] Password: [Enter password] ☐ Remember me [Submit]

Example

```
<form class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="form-inline" action="attributevaluecolor"
style="color:mediumblue">="/action_page.php"="tagcolor" style="color:mediumblue">>
  <label class="attributecolor" style="color:red"> for="attributevaluecolor"
style="color:mediumblue">="email" class="attributevaluecolor"
style="color:mediumblue">="mr-sm-2"="tagcolor" style="color:mediumblue">>Email
address:</label class="tagcolor" style="color:mediumblue">>
  <input class="attributecolor" style="color:red"> type="attributevaluecolor"
style="color:mediumblue">="email" class="attributevaluecolor"
style="color:mediumblue">="form-control mb-2 mr-sm-2"
```

```
placeholder="attributevaluecolor" style="color:mediumblue">="Enter email"
id="attributevaluecolor" style="color:mediumblue">="email"="tagcolor"
style="color:mediumblue">>
  <label class="attributecolor" style="color:red"> for="attributevaluecolor"
style="color:mediumblue">="pwd" class="attributevaluecolor"
style="color:mediumblue">="mr-sm-2"="tagcolor" style="color:mediumblue">>Password:
</label class="tagcolor" style="color:mediumblue">>
  <input class="attributecolor" style="color:red"> type="attributevaluecolor"
style="color:mediumblue">="password" class="attributevaluecolor"
style="color:mediumblue">="form-control mb-2 mr-sm-2"
placeholder="attributevaluecolor" style="color:mediumblue">="Enter password"
id="attributevaluecolor" style="color:mediumblue">="pwd"="tagcolor"
style="color:mediumblue">>
  <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="form-check mb-2 mr-sm-2"="tagcolor"
style="color:mediumblue">>
    <label class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="form-check-label"="tagcolor" style="color:mediumblue">>
      <input class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="form-check-input" type="attributevaluecolor"
style="color:mediumblue">="checkbox"="tagcolor" style="color:mediumblue">>
Remember me
    </label class="tagcolor" style="color:mediumblue">>
  </div class="tagcolor" style="color:mediumblue">>
  <button class="attributecolor" style="color:red"> type="attributevaluecolor"
style="color:mediumblue">="submit" class="attributevaluecolor"
style="color:mediumblue">="btn btn-primary mb-2"="tagcolor"
style="color:mediumblue">>Submit</button class="tagcolor"
style="color:mediumblue">>
</form class="tagcolor" style="color:mediumblue">>
```

Try it Yourself »

You will learn more about spacing and other "helper" classes in our Bootstrap 4 Utilities Chapter.

Form Row/Grid

You can also use columns (`.col`) to control the width and alignment of form inputs without using spacing utilities. Just remember to put them inside a `.row` container.

In the example below, we use two columns that will appear side by side. You will learn much more about columns and rows in the Bootstrap Grids Chapter.

| Enter email | Enter password |

Example

```
<form class="tagcolor" style="color:mediumblue">>
  <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="row"="tagcolor" style="color:mediumblue">>
    <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="col"="tagcolor" style="color:mediumblue">>
      <input class="attributecolor" style="color:red"> type="attributevaluecolor"
style="color:mediumblue">="text" class="attributevaluecolor"
style="color:mediumblue">="form-control" id="attributevaluecolor"
style="color:mediumblue">="email" placeholder="attributevaluecolor"
style="color:mediumblue">="Enter email" name="attributevaluecolor"
style="color:mediumblue">="email"="tagcolor" style="color:mediumblue">>
    </div class="tagcolor" style="color:mediumblue">>
    <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="col"="tagcolor" style="color:mediumblue">>
      <input class="attributecolor" style="color:red"> type="attributevaluecolor"
style="color:mediumblue">="password" class="attributevaluecolor"
style="color:mediumblue">="form-control" placeholder="attributevaluecolor"
style="color:mediumblue">="Enter password" name="attributevaluecolor"
style="color:mediumblue">="pswd"="tagcolor" style="color:mediumblue">>
    </div class="tagcolor" style="color:mediumblue">>
```

```
    </div class="tagcolor" style="color:mediumblue">>
  </form class="tagcolor" style="color:mediumblue">>
```

Try it Yourself »

If you want less grid margins (override default column gutters), use `.form-row` instead of `.row` :

<div style="border:1px solid #ccc; padding:10px;">Enter email</div> <div style="border:1px solid #ccc; padding:10px;">Enter password</div>

Example

```
<form class="tagcolor" style="color:mediumblue">>
  <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="form-row"="tagcolor" style="color:mediumblue">>
    <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="col"="tagcolor" style="color:mediumblue">>
      <input class="attributecolor" style="color:red"> type="attributevaluecolor"
style="color:mediumblue">="text" class="attributevaluecolor"
style="color:mediumblue">="form-control" id="attributevaluecolor"
style="color:mediumblue">="email" placeholder="attributevaluecolor"
style="color:mediumblue">="Enter email" name="attributevaluecolor"
style="color:mediumblue">="email"="tagcolor" style="color:mediumblue">>
    </div class="tagcolor" style="color:mediumblue">>
    <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="col"="tagcolor" style="color:mediumblue">>
      <input class="attributecolor" style="color:red"> type="attributevaluecolor"
style="color:mediumblue">="password" class="attributevaluecolor"
style="color:mediumblue">="form-control" placeholder="attributevaluecolor"
style="color:mediumblue">="Enter password" name="attributevaluecolor"
style="color:mediumblue">="pswd"="tagcolor" style="color:mediumblue">>
    </div class="tagcolor" style="color:mediumblue">>
  </div class="tagcolor" style="color:mediumblue">>
</form class="tagcolor" style="color:mediumblue">>
```

Form Validation

Username:

| Enter username | ✕ |

Please fill out this field.

Password:

| Enter password | ✕ |

Please fill out this field.

☐ I agree on blabla.

Check this checkbox to continue.

You can use different validation classes to provide valuable feedback to users. Add either `.was-validated` or `.needs-validation` to the `<form>` element, depending on whether you want to provide validation feedback before or after submitting the form. The input fields will have a green (valid) or red (invalid) border to indicate what's missing in the form. You can also add a `.valid-feedback` or `.invalid-feedback` message to tell the user explicitly what's missing, or needs to be done before submitting the form.

Example

In this example, we use `.was-validated` to indicate what's missing before submitting the form:

```
<form class="attributecolor" style="color:red"> action="attributevaluecolor"
style="color:mediumblue">="/action_page.php" class="attributevaluecolor"
style="color:mediumblue">="was-validated"="tagcolor" style="color:mediumblue">>
    <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="form-group"="tagcolor" style="color:mediumblue">>
      <label class="attributecolor" style="color:red"> for="attributevaluecolor"
style="color:mediumblue">="uname"="tagcolor" style="color:mediumblue">>Username:
</label class="tagcolor" style="color:mediumblue">>
      <input class="attributecolor" style="color:red"> type="attributevaluecolor"
style="color:mediumblue">="text" class="attributevaluecolor"
style="color:mediumblue">="form-control" id="attributevaluecolor"
style="color:mediumblue">="uname" placeholder="attributevaluecolor"
style="color:mediumblue">="Enter username" name="attributevaluecolor"
style="color:mediumblue">="uname" required="tagcolor" style="color:mediumblue">>
      <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="valid-feedback"="tagcolor"
style="color:mediumblue">>Valid.</div class="tagcolor" style="color:mediumblue">>
      <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="invalid-feedback"="tagcolor"
style="color:mediumblue">>Please fill out this field.</div class="tagcolor"
style="color:mediumblue">>
    </div class="tagcolor" style="color:mediumblue">>
    <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="form-group"="tagcolor" style="color:mediumblue">>
      <label class="attributecolor" style="color:red"> for="attributevaluecolor"
style="color:mediumblue">="pwd"="tagcolor" style="color:mediumblue">>Password:
</label class="tagcolor" style="color:mediumblue">>
      <input class="attributecolor" style="color:red"> type="attributevaluecolor"
style="color:mediumblue">="password" class="attributevaluecolor"
style="color:mediumblue">="form-control" id="attributevaluecolor"
style="color:mediumblue">="pwd" placeholder="attributevaluecolor"
style="color:mediumblue">="Enter password" name="attributevaluecolor"
style="color:mediumblue">="pswd" required="tagcolor" style="color:mediumblue">>
      <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="valid-feedback"="tagcolor"
style="color:mediumblue">>Valid.</div class="tagcolor" style="color:mediumblue">>
      <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="invalid-feedback"="tagcolor"
```

```
style="color:mediumblue">>Please fill out this field.</div class="tagcolor"
style="color:mediumblue">>
    </div class="tagcolor" style="color:mediumblue">>
    <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="form-group form-check"="tagcolor"
style="color:mediumblue">>
        <label class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="form-check-label"="tagcolor" style="color:mediumblue">>
            <input class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="form-check-input" type="attributevaluecolor"
style="color:mediumblue">="checkbox" name="attributevaluecolor"
style="color:mediumblue">="remember" required="tagcolor"
style="color:mediumblue">> I agree on blabla.
            <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="valid-feedback"="tagcolor"
style="color:mediumblue">>Valid.</div class="tagcolor" style="color:mediumblue">>
            <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="invalid-feedback"="tagcolor"
style="color:mediumblue">>Check this checkbox to continue.</div class="tagcolor"
style="color:mediumblue">>
        </label class="tagcolor" style="color:mediumblue">>
    </div class="tagcolor" style="color:mediumblue">>
    <button class="attributecolor" style="color:red"> type="attributevaluecolor"
style="color:mediumblue">="submit" class="attributevaluecolor"
style="color:mediumblue">="btn btn-primary"="tagcolor"
style="color:mediumblue">>Submit</button class="tagcolor"
style="color:mediumblue">>
</form class="tagcolor" style="color:mediumblue">>
```

Try it Yourself »

Example

In this example, we use `.needs-validation`, which will add the validation effect AFTER the form has been submitting (if there's anything missing). Note that you will also have to add some jQuery

code for this example to work properly:

```html
<form class="attributecolor" style="color:red"> action="attributevaluecolor"
style="color:mediumblue">="/action_page.php" class="attributevaluecolor"
style="color:mediumblue">="needs-validation" novalidate="tagcolor"
style="color:mediumblue">>
  <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="form-group"="tagcolor" style="color:mediumblue">>
    <label class="attributecolor" style="color:red"> for="attributevaluecolor"
style="color:mediumblue">="uname"="tagcolor" style="color:mediumblue">>Username:
</label class="tagcolor" style="color:mediumblue">>
    <input class="attributecolor" style="color:red"> type="attributevaluecolor"
style="color:mediumblue">="text" class="attributevaluecolor"
style="color:mediumblue">="form-control" id="attributevaluecolor"
style="color:mediumblue">="uname" placeholder="attributevaluecolor"
style="color:mediumblue">="Enter username" name="attributevaluecolor"
style="color:mediumblue">="uname" required="tagcolor" style="color:mediumblue">>
    <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="valid-feedback"="tagcolor"
style="color:mediumblue">>Valid.</div class="tagcolor" style="color:mediumblue">>
    <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="invalid-feedback"="tagcolor"
style="color:mediumblue">>Please fill out this field.</div class="tagcolor"
style="color:mediumblue">>
  </div class="tagcolor" style="color:mediumblue">>
  <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="form-group"="tagcolor" style="color:mediumblue">>
    <label class="attributecolor" style="color:red"> for="attributevaluecolor"
style="color:mediumblue">="pwd"="tagcolor" style="color:mediumblue">>Password:
</label class="tagcolor" style="color:mediumblue">>
    <input class="attributecolor" style="color:red"> type="attributevaluecolor"
style="color:mediumblue">="password" class="attributevaluecolor"
style="color:mediumblue">="form-control" id="attributevaluecolor"
style="color:mediumblue">="pwd" placeholder="attributevaluecolor"
style="color:mediumblue">="Enter password" name="attributevaluecolor"
style="color:mediumblue">="pswd" required="tagcolor" style="color:mediumblue">>
    <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="valid-feedback"="tagcolor"
```

```
style="color:mediumblue">>Valid.</div class="tagcolor" style="color:mediumblue">>
    <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="invalid-feedback"="tagcolor"
style="color:mediumblue">>Please fill out this field.</div class="tagcolor"
style="color:mediumblue">>
  </div class="tagcolor" style="color:mediumblue">>
  <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="form-group form-check"="tagcolor"
style="color:mediumblue">>
    <label class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="form-check-label"="tagcolor" style="color:mediumblue">>
      <input class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="form-check-input" type="attributevaluecolor"
style="color:mediumblue">="checkbox" name="attributevaluecolor"
style="color:mediumblue">="remember" required="tagcolor"
style="color:mediumblue">> I agree on blabla.
      <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="valid-feedback"="tagcolor"
style="color:mediumblue">>Valid.</div class="tagcolor" style="color:mediumblue">>
      <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="invalid-feedback"="tagcolor"
style="color:mediumblue">>Check this checkbox to continue.</div class="tagcolor"
style="color:mediumblue">>
    </label class="tagcolor" style="color:mediumblue">>
  </div class="tagcolor" style="color:mediumblue">>
  <button class="attributecolor" style="color:red"> type="attributevaluecolor"
style="color:mediumblue">="submit" class="attributevaluecolor"
style="color:mediumblue">="btn btn-primary"="tagcolor"
style="color:mediumblue">>Submit</button class="tagcolor"
style="color:mediumblue">>
</form class="tagcolor" style="color:mediumblue">>

<script class="tagcolor" style="color:mediumblue">>
// Disable form submissions if there are invalid fields
(function() {
  'use strict';
  window.addEventListener('load', function() {
    // Get the forms we want to add validation styles to
```

```
      var forms = document.getElementsByClassName('needs-validation');
      // Loop over them and prevent submission
      var validation = Array.prototype.filter.call(forms, function(form) {
        form.addEventListener('submit', function(event) {
          if (form.checkValidity() === false) {
            event.preventDefault();
            event.stopPropagation();
          }
          form.classList.add('was-validated');
        }, false);
      });
    }, false);
  })();
</script class="tagcolor" style="color:mediumblue">>
```

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