

Creating Forms with Bootstrap Components



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Overview



Exploring forms with Bootstrap

Using the Bootstrap form components

Adding form validation



Exploring Forms with Bootstrap



Adding Bootstrap to a Form

Basic form

Basic form

User name

Password

☐ Remember me



Bootstrap Forms

Classes on components

Validation

`<form>` tag

Layout based on Grid





Forms Changes

Forms and form components are pretty different compared to previous versions of Bootstrap!



Looking at a First Form

```
<form>
  <div class="mb-2">
    <label for="emailInput" class="form-label">Email address</label>
    <input type="email" class="form-control" id="emailInput">
  </div>
  <div class="mb-3">
    <label for="passwordInput" class="form-label">Password</label>
    <input type="password" class="form-control" id="passwordInput">
  </div>
  <div class="mb-3 form-check">
    <input type="checkbox" class="form-check-input" id="rememberMeCheck">
    <label class="form-check-label" for="rememberMeCheck">Remember me</label>
  </div>
  <button type="submit" class="btn btn-primary">Login</button>
</form>
```



The Resulting Form

Email address

Password

☐ Remember me

Login



Relevant Classes

form-control

Default style for form
components

form-label

Used on labels

form-text

Text display inside
forms



Using form-text

```
<form>
  <div class="mb-2">
    <label for="emailInput" class="form-label">Email address</label>
    <input type="email" class="form-control" id="emailInput" >
    <div id="emailHelp" class="form-text">
      Your email address won't be shared with anyone. Promised!</div>
    </div>
  </div>
</form>
```



Using form-text

Email address

Your email address won't be shared with anyone. Promised!



Demo



Creating a first form



Form Layout Using Margins

```
<form>
  <div class="mb-2">
    <label for="emailInput" class="form-label">Email address</label>
    <input type="email" class="form-control" id="emailInput">
  </div>
  <div class="mb-3">
    <label for="passwordInput" class="form-label">Password</label>
    <input type="password" class="form-control" id="passwordInput">
  </div>
  <div class="mb-3 form-check">
    <input type="checkbox" class="form-check-input" id="rememberMeCheck">
    <label class="form-check-label" for="rememberMeCheck">Remember me</label>
  </div>
  <button type="submit" class="btn btn-primary">Login</button>
</form>
```



Forms Layout Using the Grid

```
<form class="row g-3">
  <div class="col-md-6">
    <label for="emailInput" class="form-label">Email address</label>
    <input type="email" class="form-control" id="emailInput" >
    <div id="emailHelp" class="form-text">
      Your email address won't be shared with anyone. Promised!
    </div>
  </div>
  <div class="col-md-6">
    <label for="passwordInput" class="form-label">Password</label>
    <input type="password" class="form-control" id="passwordInput">
  </div>
</form>
```



The Resulting Form

Email address

Password

Your email address won't be shared with anyone. Promised!



Complex Forms

Your address

First name

Last name

Username

Email (Optional)

@

Username

you@example.com

Address

Address 2 (Optional)

1234 Main St

Apartment or suite

Country

State

Zip

Choose...

Choose...

☐ Shipping address is the same as my billing address

☐ Save this information for next time



Floating Labels

```
<form class="row g-3">
  <div class="form-floating col-md-6">
    <input type="email" class="form-control" id="emailInput"
      placeholder="name@example.com">
    <label for="emailInput" class="form-label">Email address</label>
  </div>
  <div class="form-floating col-md-6">
    <input type="password" class="form-control" id="passwordInput"
      placeholder="password">
    <label for="passwordInput" class="form-label">Password</label>
  </div>
</form>
```

Email address

Password



Demo



Applying different form layouts



Using the Bootstrap Form Components



```
<div class="mb-2">  
  <label for="emailInput" class="form-label">Email address</label>  
  <input type="email" class="form-control" id="emailInput">  
</div>
```

Using an Input for Email Capture

Using Different Sizes

```
<input class="form-control form-control-lg" type="text" placeholder="Large size">
```

```
<input class="form-control" type="text" placeholder="Default size" >
```

```
<input class="form-control form-control-sm" type="text" placeholder="Small size">
```

Large size

Default size

Small size



```
<div class="mb-3">  
  <label for="commentTextArea" class="form-label">Comments</label>  
  <textarea class="form-control" id="commentTextArea" rows="3"></textarea>  
</div>
```

Using the Text Area

```
<div class="mb-3">  
  <label for="imageFile" class="form-label">Default file input example</label>  
  <input type="file" class="form-control" id="imageFile">  
</div>
```

Selecting a File

Using a Checkbox

```
<div class="form-check">
  <input class="form-check-input" type="checkbox" value=""
    id="keepUpdatedCheck">
  <label class="form-check-label" for="keepUpdatedCheck">
    Keep me updated
  </label>
</div>
<div class="form-check">
  <input class="form-check-input" type="checkbox" value=""
    id="sendOffersCheck" checked>
  <label class="form-check-label" for="sendOffersCheck">
    Send me new offers on pies!
  </label>
</div>
```

☐ Keep me updated

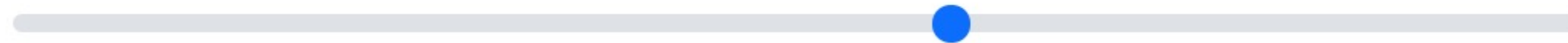
☒ Send me new offers on pies!



Selecting a Value Using the Range

```
<label for="numberOfPiesRange" class="form-label">  
    Number of pies per month I want to order  
</label>  
<input type="range" class="form-range" min="0" max="5"  
    id="numberOfPiesRange">
```

Number of pies per month I want to order



Demo



Discovering the form components



Demo



Creating the order and payment form



Working with input-group

```
<div class="input-group mb-3">  
  <span class="input-group-text" id="emailAddon">@</span>  
  <input type="text" class="form-control" placeholder="Email" >  
</div>
```



Input group



Demo



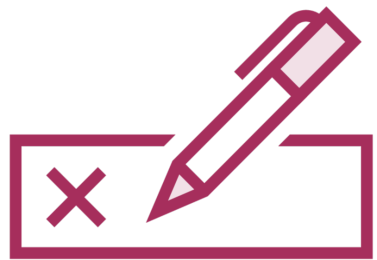
Using input groups



Adding Form Validation



Form Validation Using Bootstrap



Relies on `:valid` and `:invalid` pseudo classes for client-side validation as well as `.was-validated` class



`.is-valid` and `.is-invalid` for server-side



`novalidate`, `required`



Validation in a Form

<div>Name on card</div> <div>Full name as displayed on card</div> <div>Name on card is required</div>	<div>Credit card number</div> <div>Credit card number is required</div>
<div>Expiration</div> <div>Expiration date required</div>	<div>CVV</div> <div>Security code required</div>



Demo



Adding validation to the form



Summary



Form components allow for rich and great-looking forms on a web page

Layout using regular Bootstrap layout mechanism





Up next:
Working with interactive
components

