

Form State and Buttons in Bootstrap 4

Form State in Bootstrap 4

Form Control States

Normal State

Default state for form controls.

```
<input type="text" class="form-control" placeholder="Normal State">
```

Disabled State

Form controls can be disabled to prevent user interaction.

```
<input type="text" class="form-control" placeholder="Disabled" disabled>
```

Readonly State

Form controls can be set to readonly to allow users to view but not modify the input.

```
<input type="text" class="form-control" placeholder="Readonly" readonly>
```

Validation States

Bootstrap 4 provides classes to style form controls based on their validation state.

Valid State

```
<input type="text" class="form-control is-valid" placeholder="Valid State">  
<div class="valid-feedback">Looks good!</div>
```

Invalid State

```
<input type="text" class="form-control is-invalid" placeholder="Invalid State">  
<div class="invalid-feedback">Please provide a valid input.</div>
```

Input Groups and Add-ons

Bootstrap 4 allows for enhanced input groups and add-ons, enabling better user interface designs.

```
<div class="input-group mb-3">
  <div class="input-group-prepend">
    <span class="input-group-text" id="basic-addon1">@</span>
  </div>
  <input type="text" class="form-control" placeholder="Username" aria-label="Username"
  aria-describedby="basic-addon1">
</div>
```

Buttons in Bootstrap 4

Button Styles

You can use predefined button classes to apply different styles:

```
<button type="button" class="btn btn-primary">Primary</button>
<button type="button" class="btn btn-secondary">Secondary</button>
<button type="button" class="btn btn-success">Success</button>
<button type="button" class="btn btn-danger">Danger</button>
<button type="button" class="btn btn-warning">Warning</button>
<button type="button" class="btn btn-info">Info</button>
<button type="button" class="btn btn-light">Light</button>
<button type="button" class="btn btn-dark">Dark</button>
```

Button Sizes

You can control the size of buttons using size-specific classes:

```
<button type="button" class="btn btn-primary btn-lg">Large Button</button>
<button type="button" class="btn btn-primary btn-sm">Small Button</button>
```

Button States

Active State

Represents a pressed button.

```
<button type="button" class="btn btn-primary active">Active Button</button>
```

Disabled State

Prevents any interaction with the button.

```
<button type="button" class="btn btn-primary" disabled>Disabled Button</button>
```

Button Groups

Bootstrap 4 allows you to group a series of buttons on a single line using .btn-group class:

```
<div class="btn-group" role="group" aria-label="Basic example">  
  <button type="button" class="btn btn-secondary">Left</button>  
  <button type="button" class="btn btn-secondary">Middle</button>  
  <button type="button" class="btn btn-secondary">Right</button>  
</div>
```

Summary

- **Form Control States**: Normal, Disabled, Readonly, and Validation (Valid/Invalid).
- **Input Groups**: Enhance form controls with additional elements.
- **Button Styles**: Various styles like primary, secondary, success, etc.
- **Button Sizes**: Large and small buttons.
- **Button States**: Active and Disabled.
- **Button Groups**: Organize multiple buttons together.