

Creating Interactivity with JavaScript Based Bootstrap Components

GETTING STARTED WITH JAVASCRIPT-BASED COMPONENTS

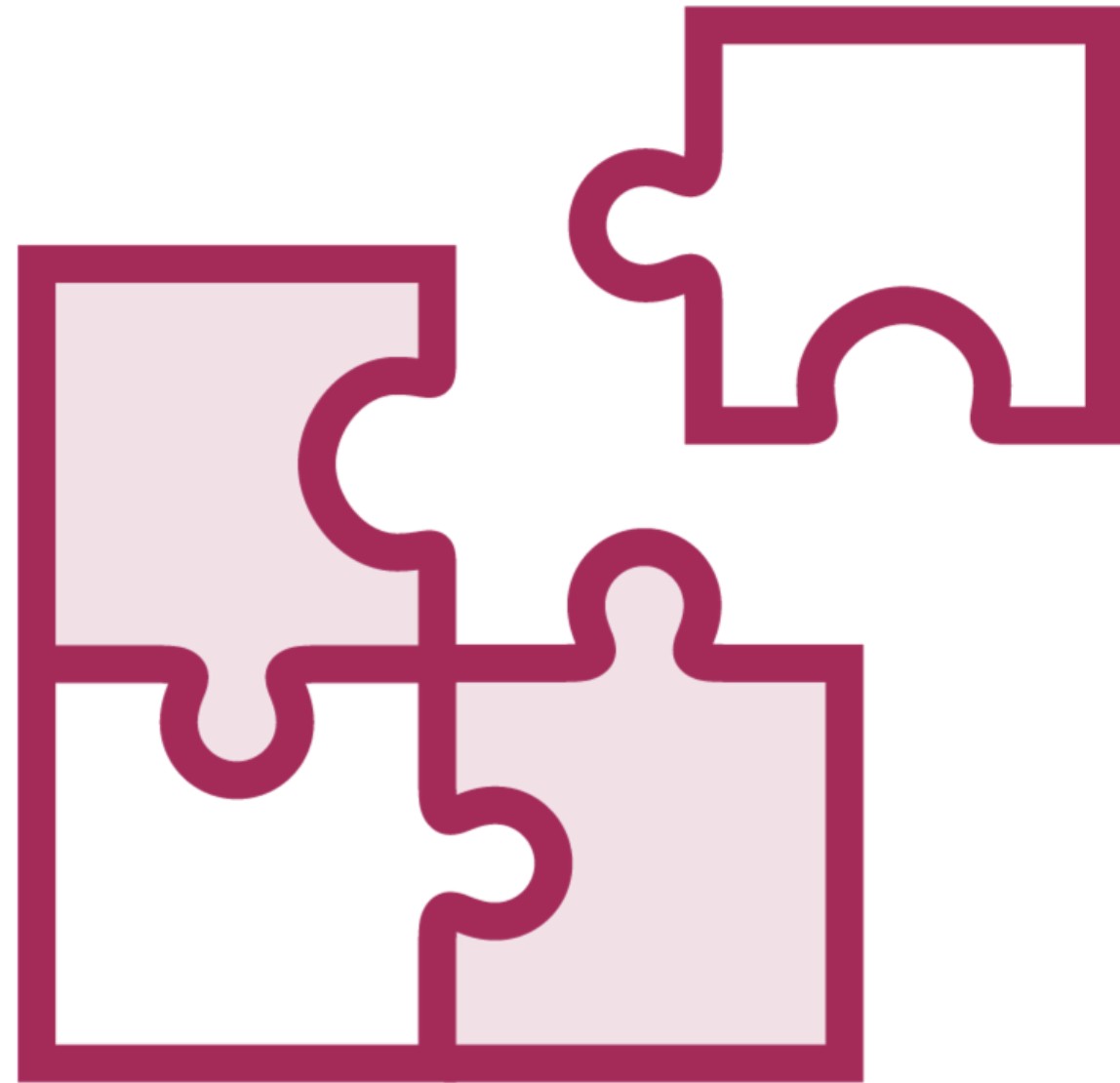


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Additional flexibility
Extend functionality
Trigger additional code



Exploring the Sample Project Files

Up Next:
Prepping for Bootstrap 5

Preparing for Bootstrap 5

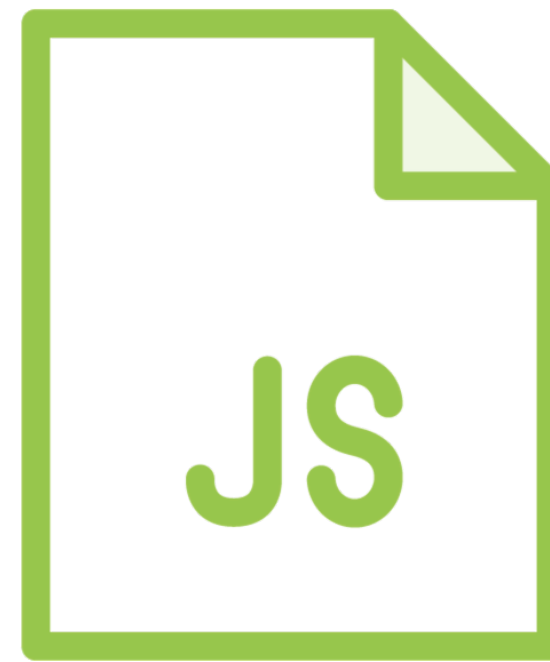
Bootstrap 4 vs. Upcoming Bootstrap 5

Prepping for the new version of Bootstrap.



Bootstrap 4.5

Current version



Bootstrap 5

Alpha in June 2020

Bootstrap 5 Major Differences



Removes dependency on jQuery

Dropping support for IE

CSS properties

Improved customization

Updated forms

Utilities API

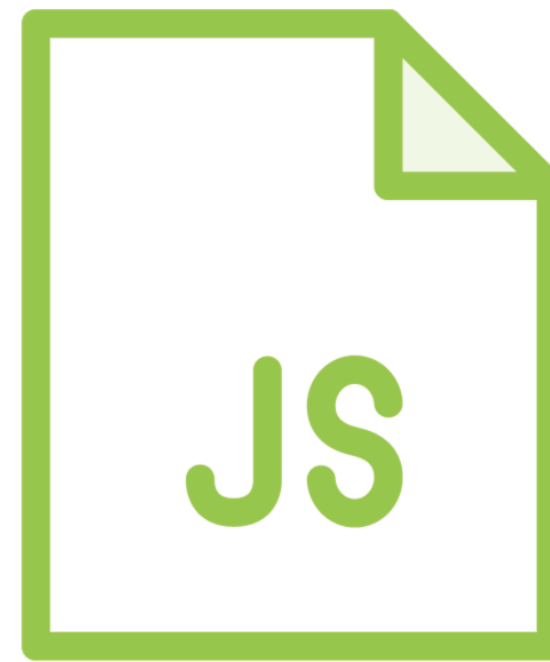
Bootstrap 4 vs. Upcoming Bootstrap 5

Prepping for the new version of Bootstrap.



Bootstrap 4.5

Requires jQuery



Bootstrap 5

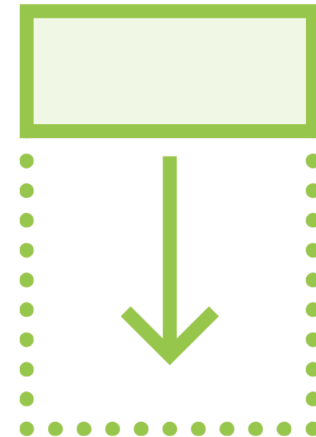
Straight JavaScript

Exploring JavaScript Enabled Components

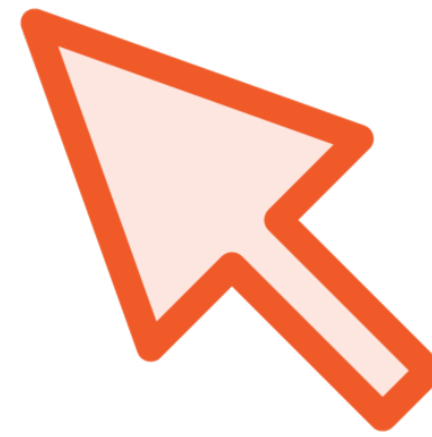
Bootstrap JavaScript-enabled Components



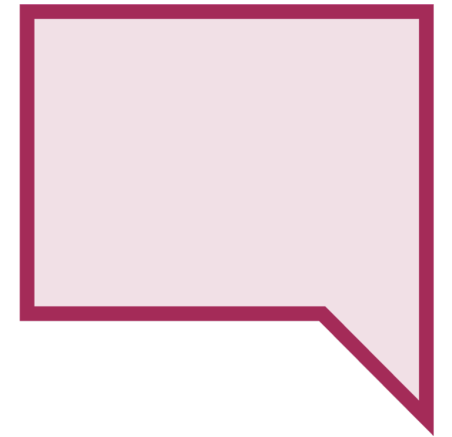
Dropdown



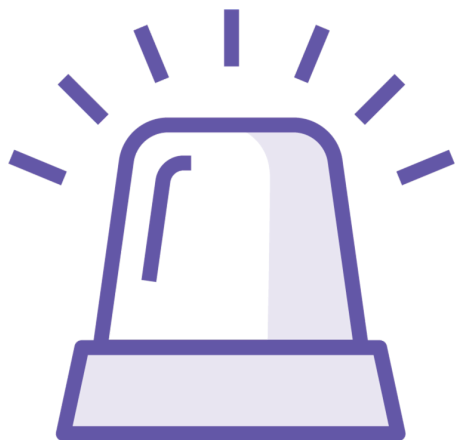
Collapse



Tooltips



PopOver



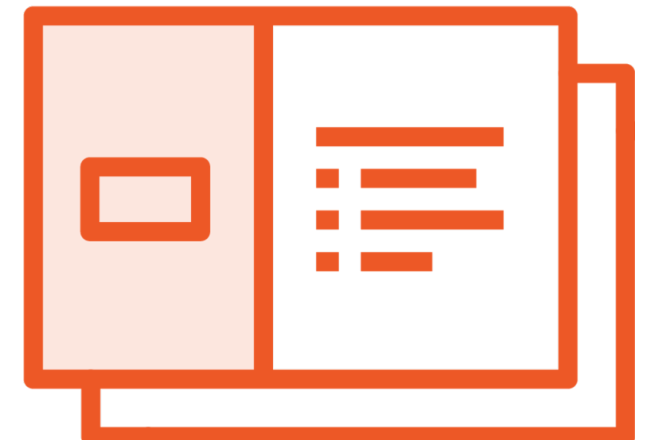
Toasts



Carousel



ScrollSpy



Modal

```
$(function () {  
    $(' .component' ).component();  
})
```

Initializing the Component

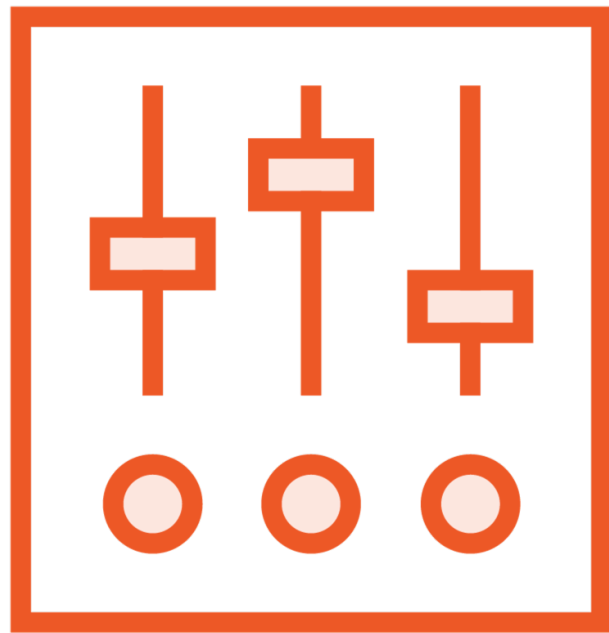
Some require it and some do not

Up Next:

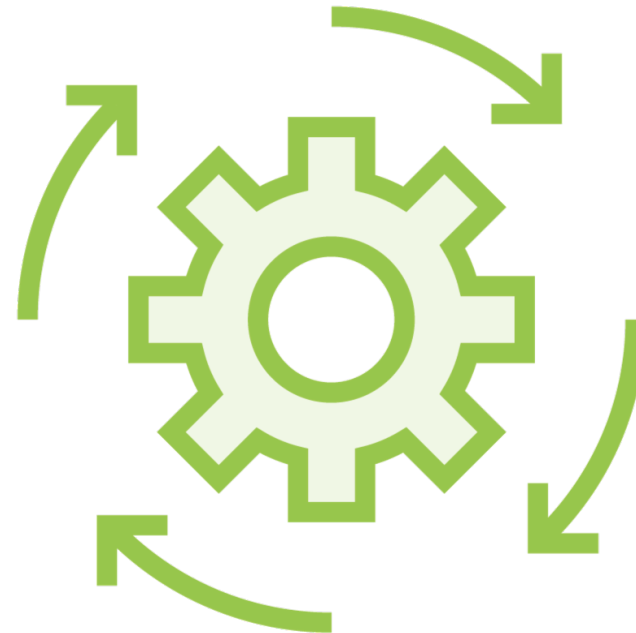
Understanding Options, Methods and Events

Understanding Options, Methods, and Events

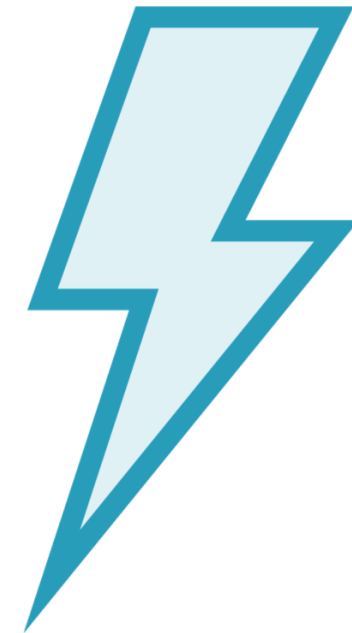
What Makes a Component JavaScript-enabled?



Options



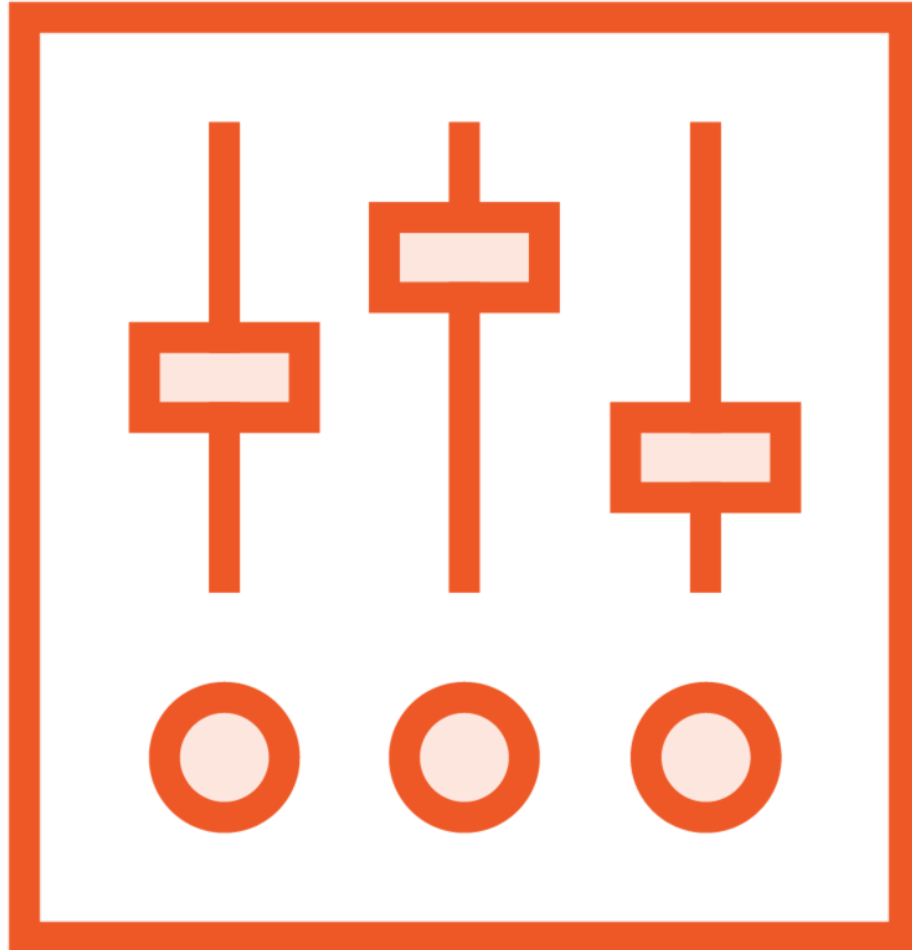
Methods



Events

Options

Different settings that can change how the component looks or behaves by default



Initialization

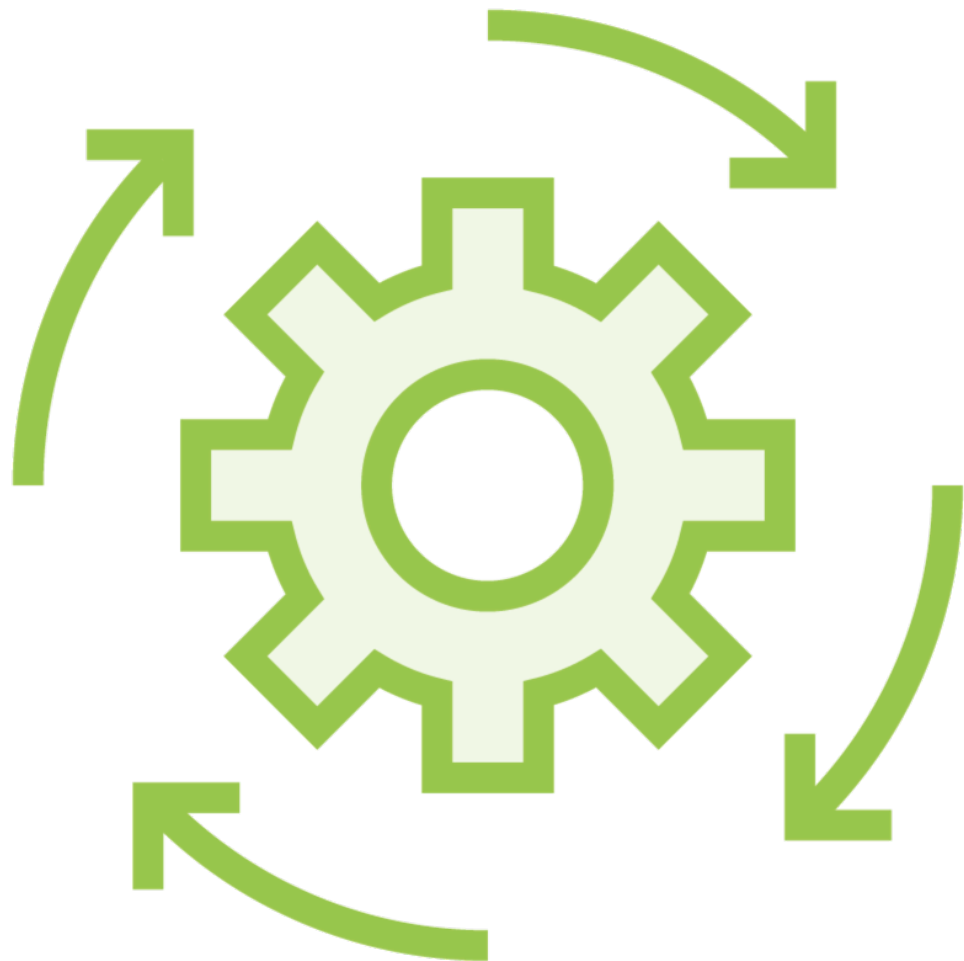
Adjusted via HTML or JS

Settings

- Positioning
- Display
- Timing
- Boundary
- Default functionality

Methods

JavaScript methods are actions that can be performed on specific components.



Trigger functionality w/ components

You trigger the method

Typical methods

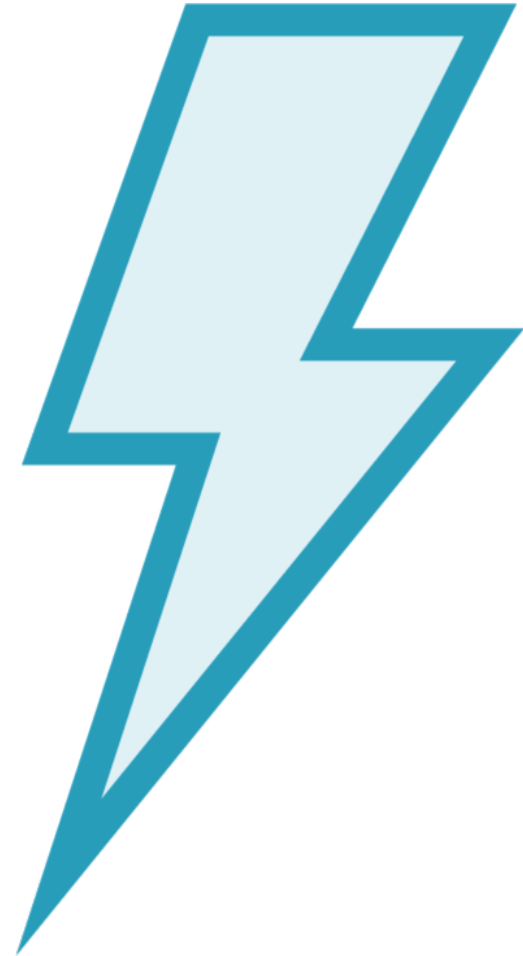
- Hide
- Show
- Toggle
- Dispose

Specific methods (i.e. carousel)

- Next
- Prev

Events

Detects when an event happens and runs actions designed to happen when the event happens.



Components expose events

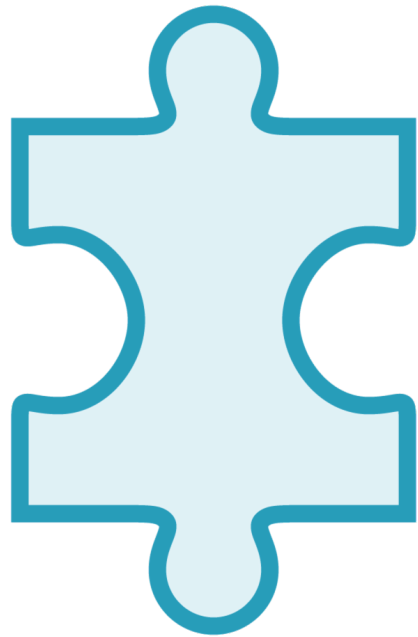
Code fires when event happens

Typical Events

- Hide
- Show
- Slide
- Activate

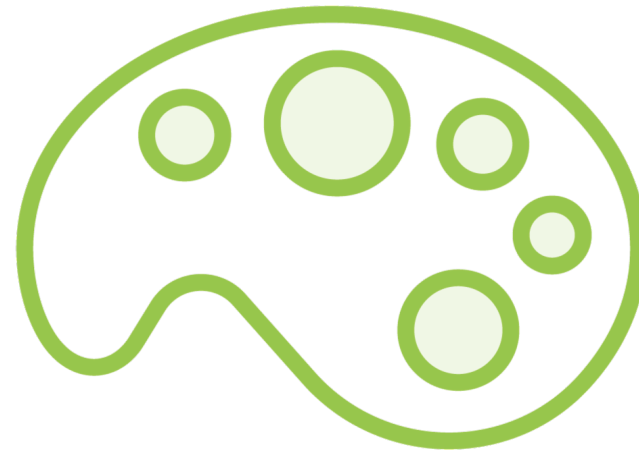
Exploring Various Components

Process for how we will explore each component throughout the course.



Component Basics

How to add basic components



Stylizing

Visual adjustments that can be done



JavaScript

Extending w/
options, methods
and events

Up Next:

Building Basic Dropdown Buttons

Building Basic Dropdown Buttons

Stylizing the Dropdown Button

Using JavaScript with Dropdowns

Building Basic Collapses

Building an Accordion

Using JavaScript with Collapse

Module Conclusion

Summary

Example project

Prepping for Bootstrap 5

JavaScript-enabled components

Options, methods and events

Dropdowns