

Bootstrap: Build Interactive and Responsive Web Apps

Introduction and Web App Setup



Jeff Batt

Founder & Course Author

@JeffBattLXD | www.learningdojo.ninja



Bootstrap Layouts

Col

Col

Col

Text

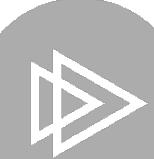
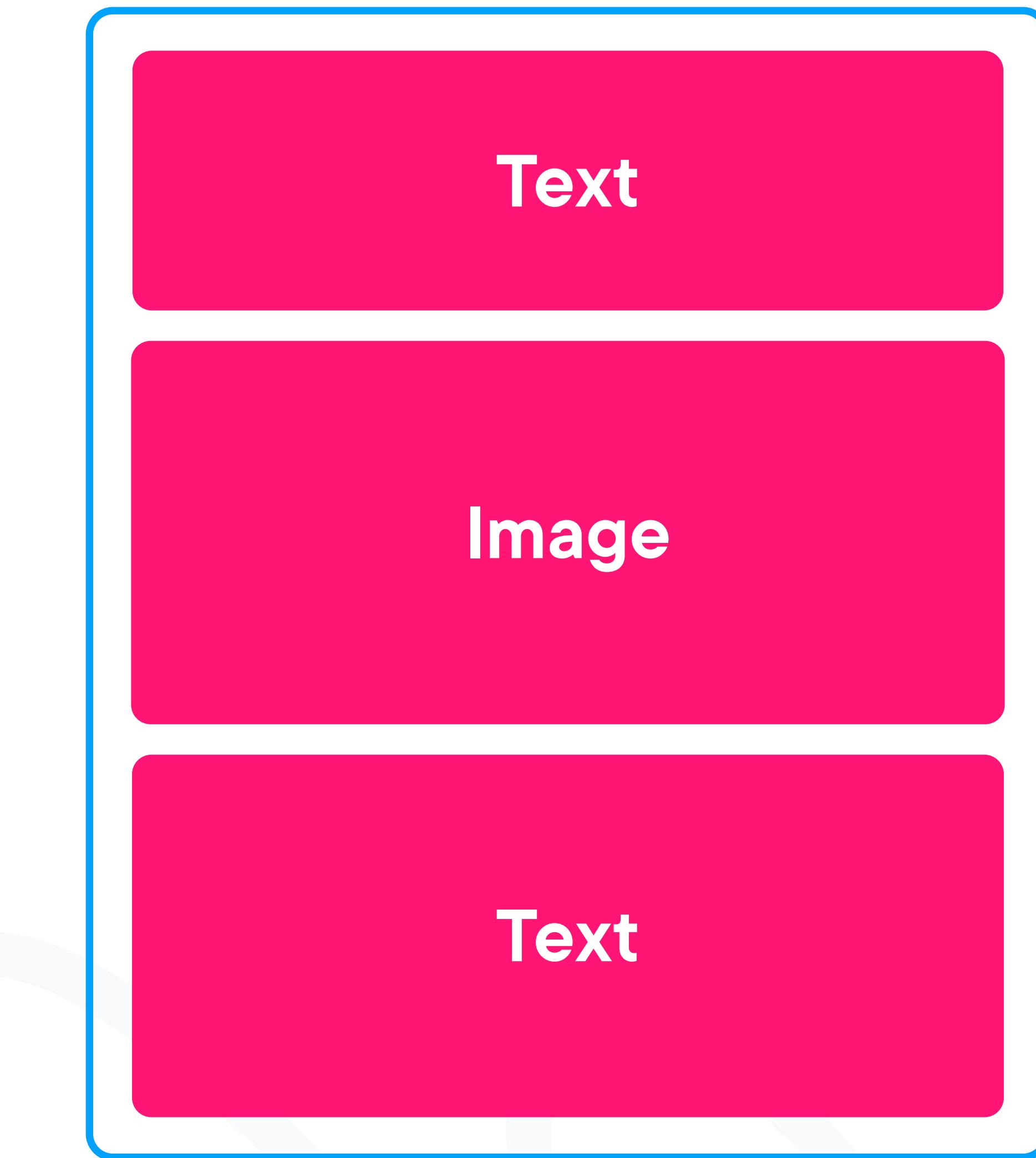
Text

Image

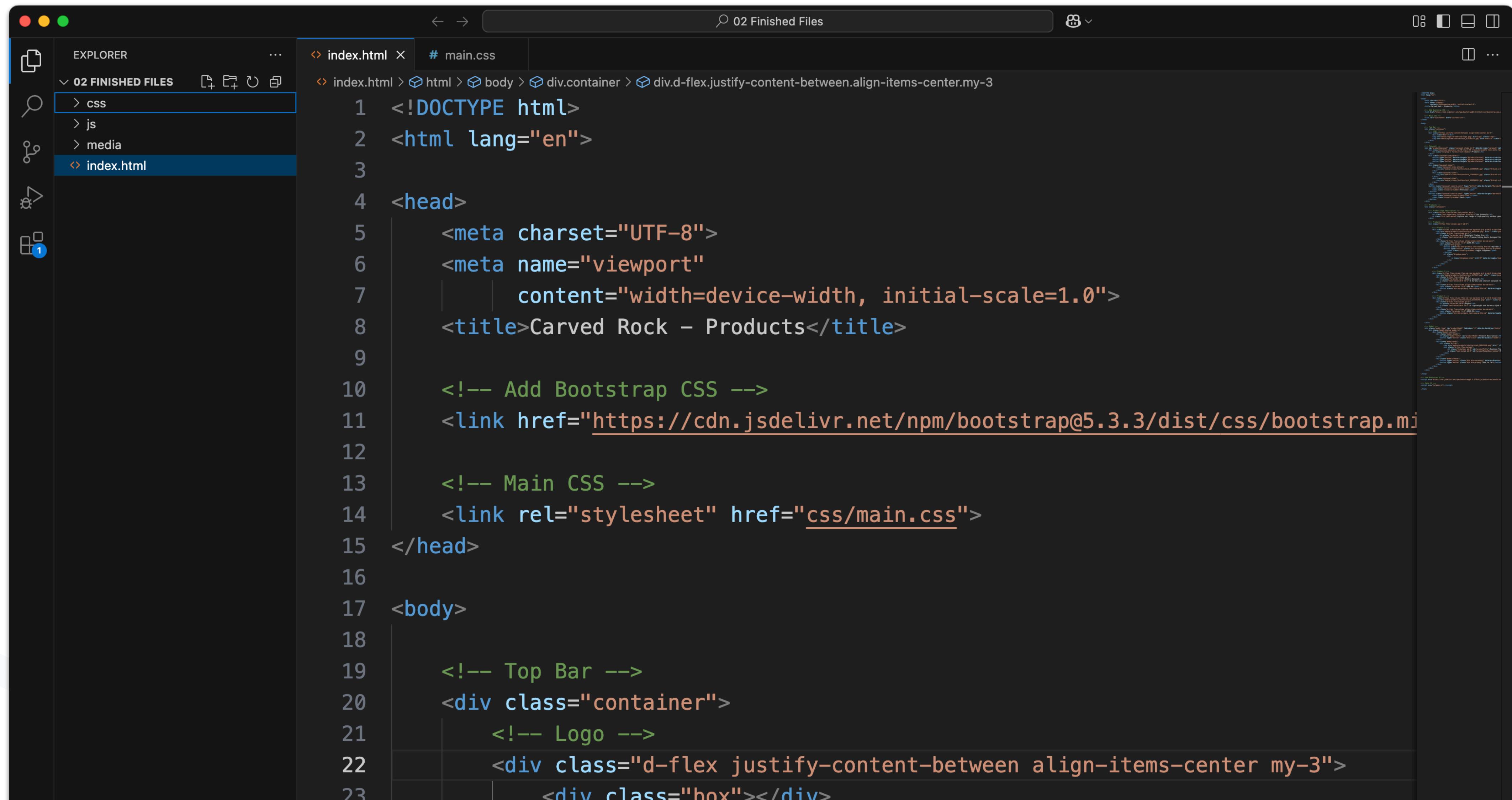
Text



Responsive Bootstrap Layouts



Visual Studio Code



A screenshot of the Visual Studio Code interface. The title bar shows "02 Finished Files". The left sidebar has icons for Explorer, Search, and File Explorer. The "EXPLORER" tab is selected, showing a tree view with "02 FINISHED FILES" expanded, containing "css", "js", "media", and "index.html" (which is selected). The main editor area shows an HTML file with the following code:

```
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>
5   <meta charset="UTF-8">
6   <meta name="viewport"
7     content="width=device-width, initial-scale=1.0">
8   <title>Carved Rock - Products</title>
9
10  <!-- Add Bootstrap CSS -->
11  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet">
12
13  <!-- Main CSS -->
14  <link rel="stylesheet" href="css/main.css">
15 </head>
16
17 <body>
18
19  <!-- Top Bar -->
20  <div class="container">
21    <!-- Logo -->
22    <div class="d-flex justify-content-between align-items-center my-3">
23      <div class="box"></div>
```

The code uses color-coded syntax highlighting for HTML tags (blue), attributes (green), and CSS classes (orange). A status bar at the bottom right shows a circular icon with a play button.

Mastering Responsive Layouts with Bootstrap Grid



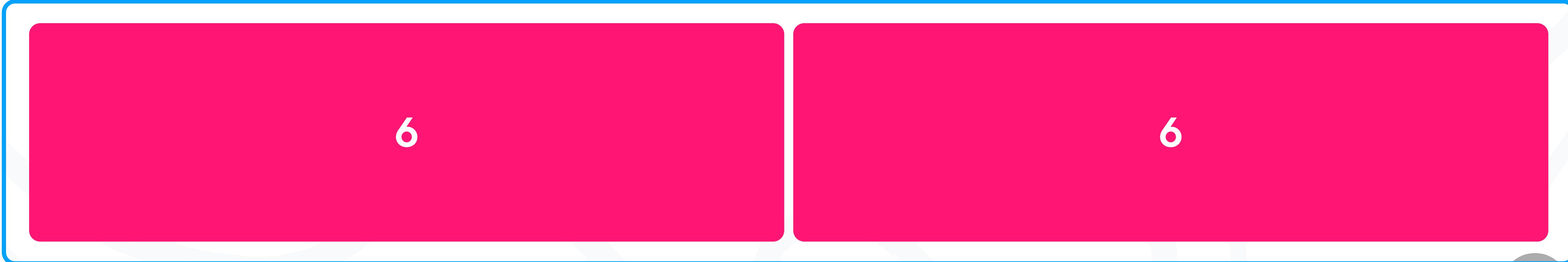
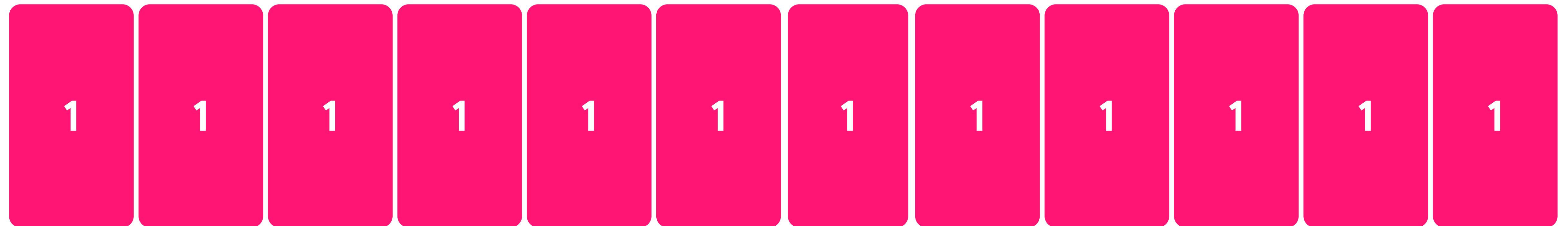
Jeff Batt

Founder & Course Author

@JeffBattLXD | www.learningdojo.ninja



Bootstrap Layouts



Bootstrap Layouts

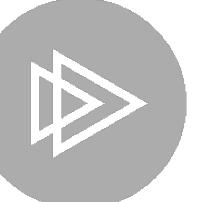
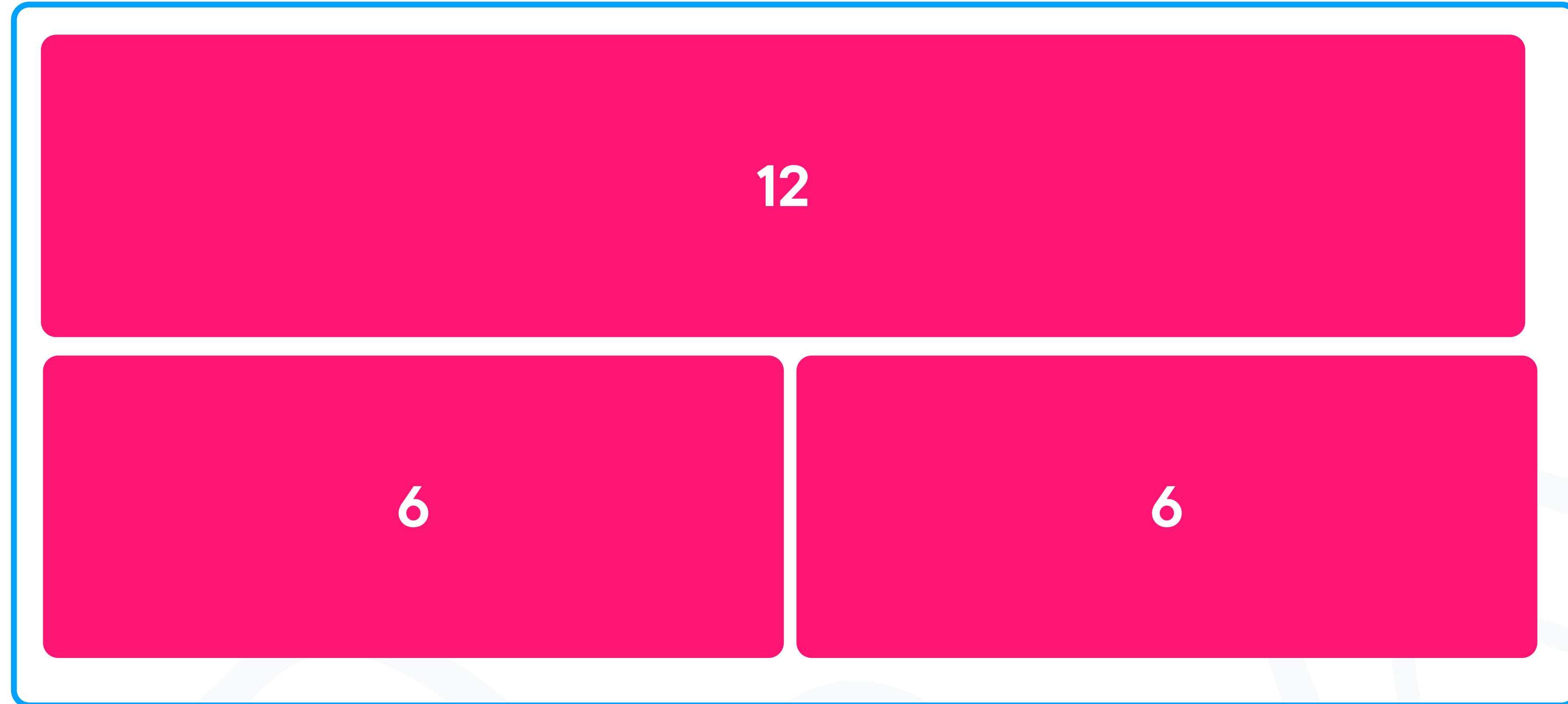
3

6

3



Bootstrap Layouts



Bootstrap Flexboxes

Image

Text



Bootstrap Flexboxes

Image

Image

Icon

Text

Text



Breakpoint Sizes

Extra Small (no prefix)

<576px

Small (sm)

≥ 576px

Medium (md)

≥768px

Large (lg)

≥1200px

Extra Large (xl)

≥1200px

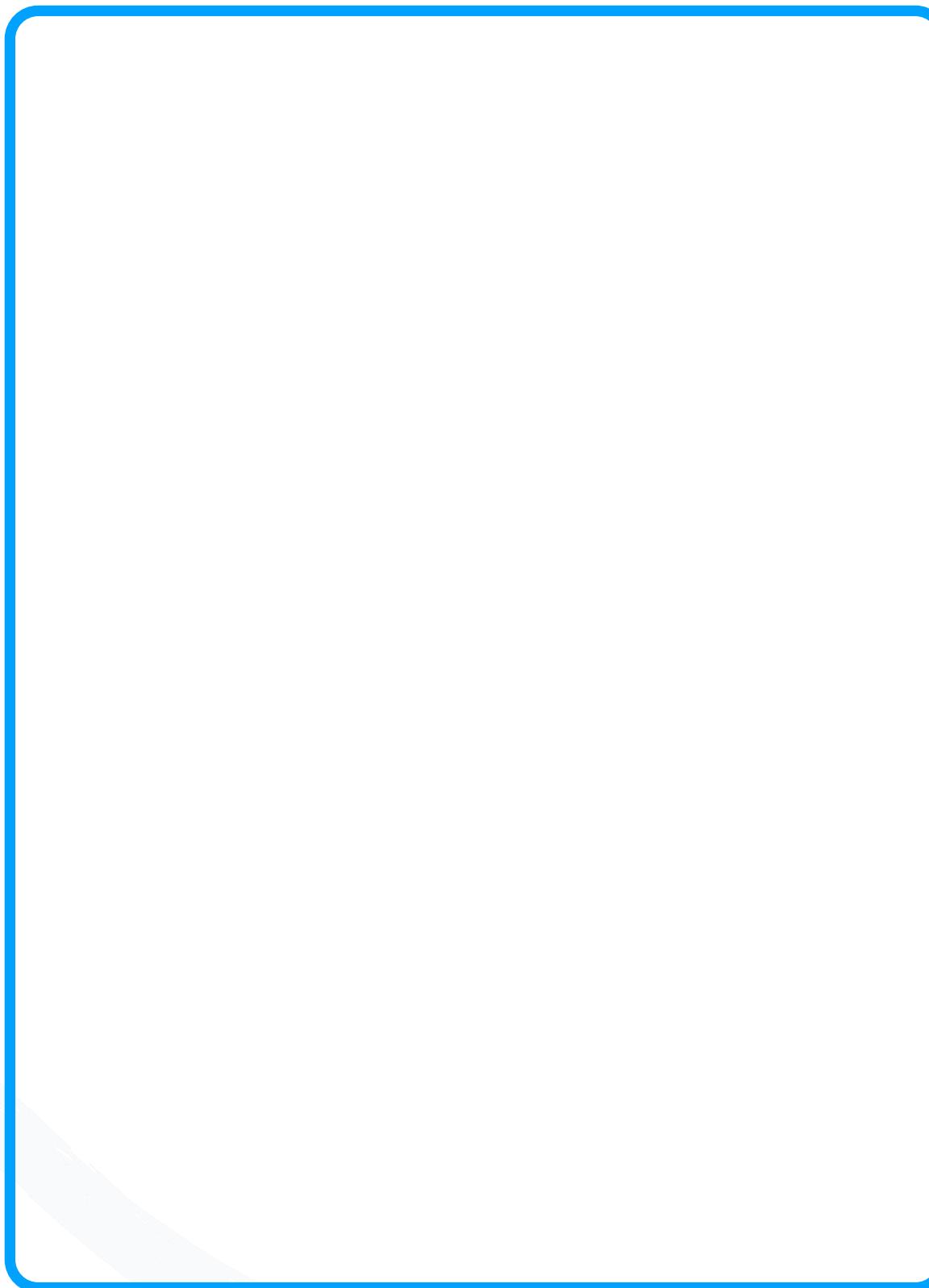
Extra Extra Large (xxl)

≥ 1400px



Breakpoints - Mobile First

xs



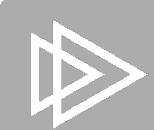
Breakpoints - Mobile First

sm



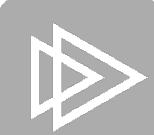
Breakpoints - Mobile First

md



Breakpoints - Mobile First

lg



Breakpoints - Mobile First

xl



Breakpoints - Mobile First

col-12

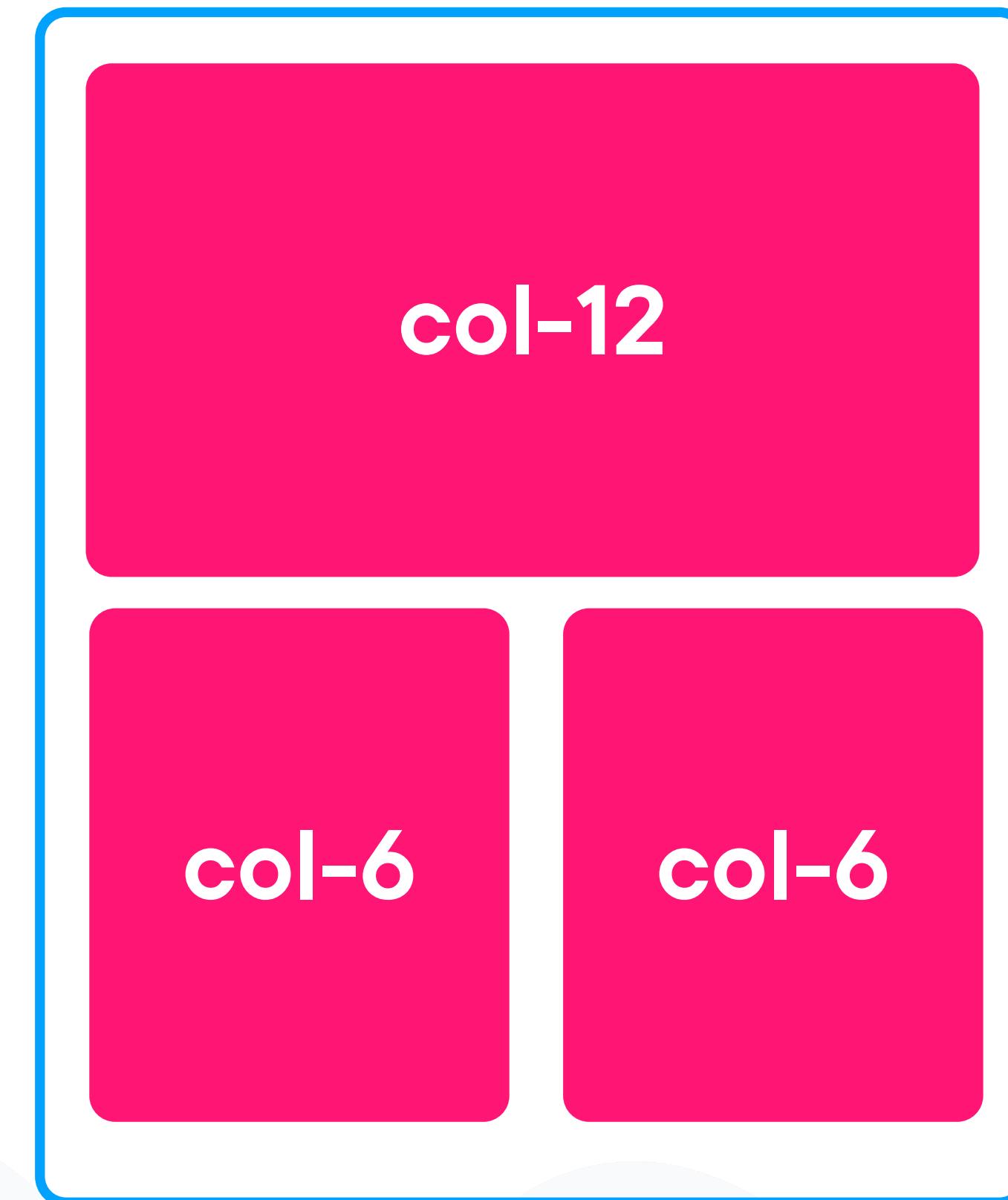


Breakpoints - Mobile First

col-6



Bootstrap Layouts - Mobile First



Bootstrap Layouts - Mobile First

col-sm-3

col-sm-6

col-sm-3

class-sm

class-lg-#



Bootstrap Flexboxes

Image

Image

Icon

Text

Text



Bootstrap Flexboxes

Image

Image

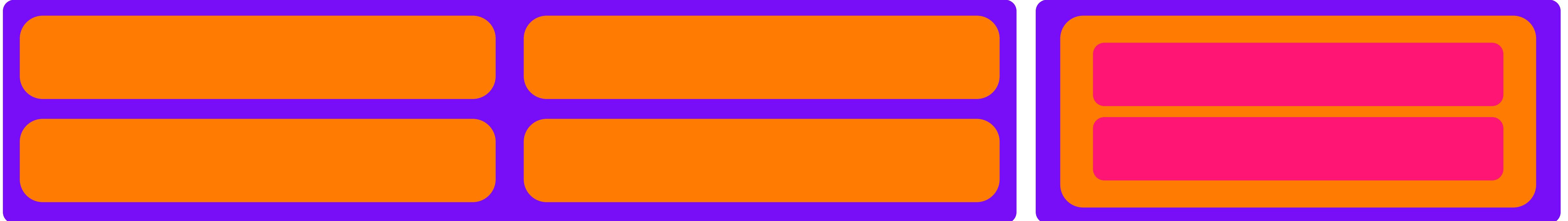
Icon

Text

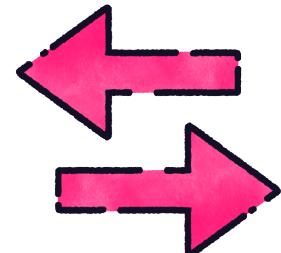
Text



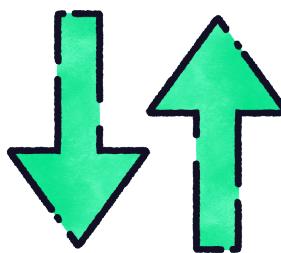
Nested Flexboxes



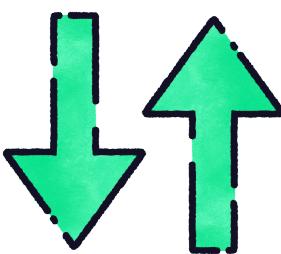
Justify vs. Align



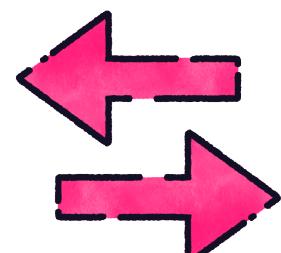
Justify in rows - along the main access (left/right)



Align in rows - along the cross access (top/bottom)



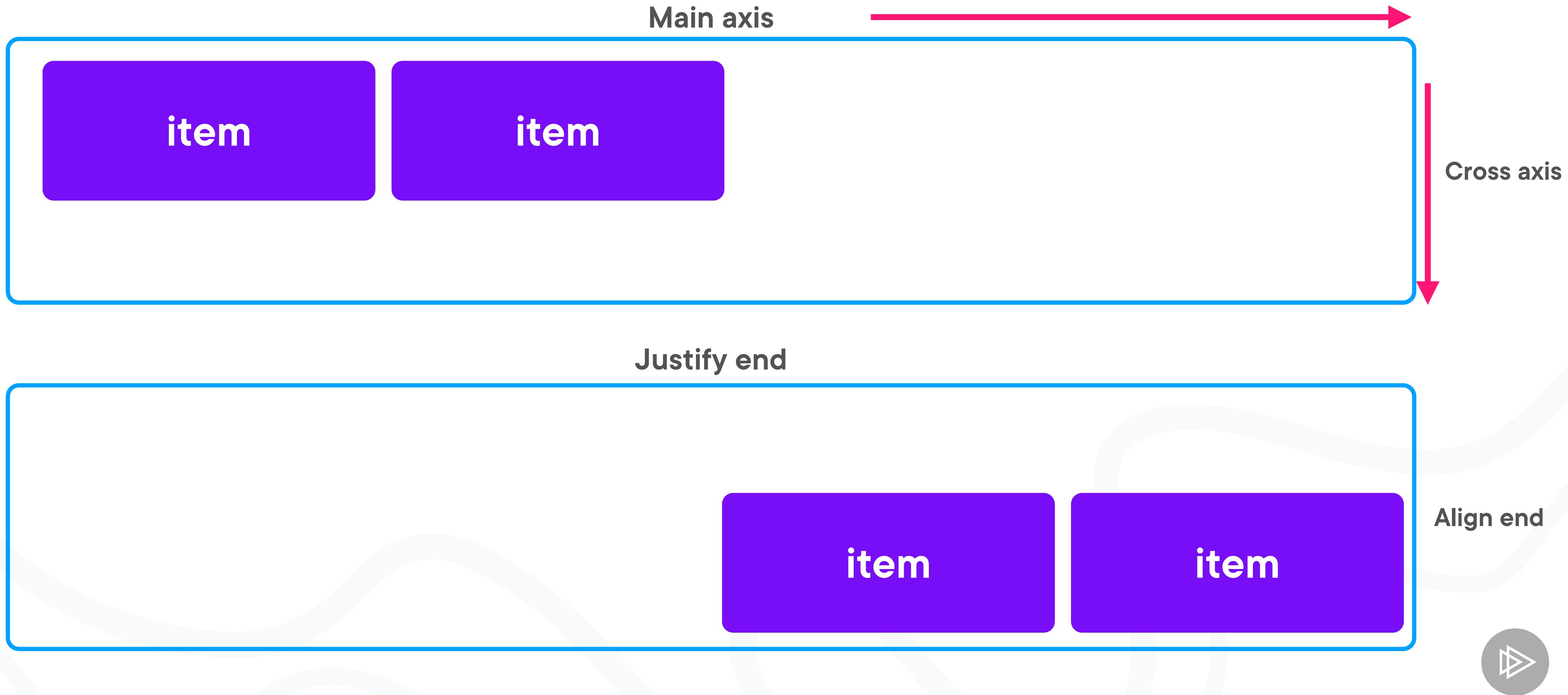
Justify in columns - Along the main access (up/down)



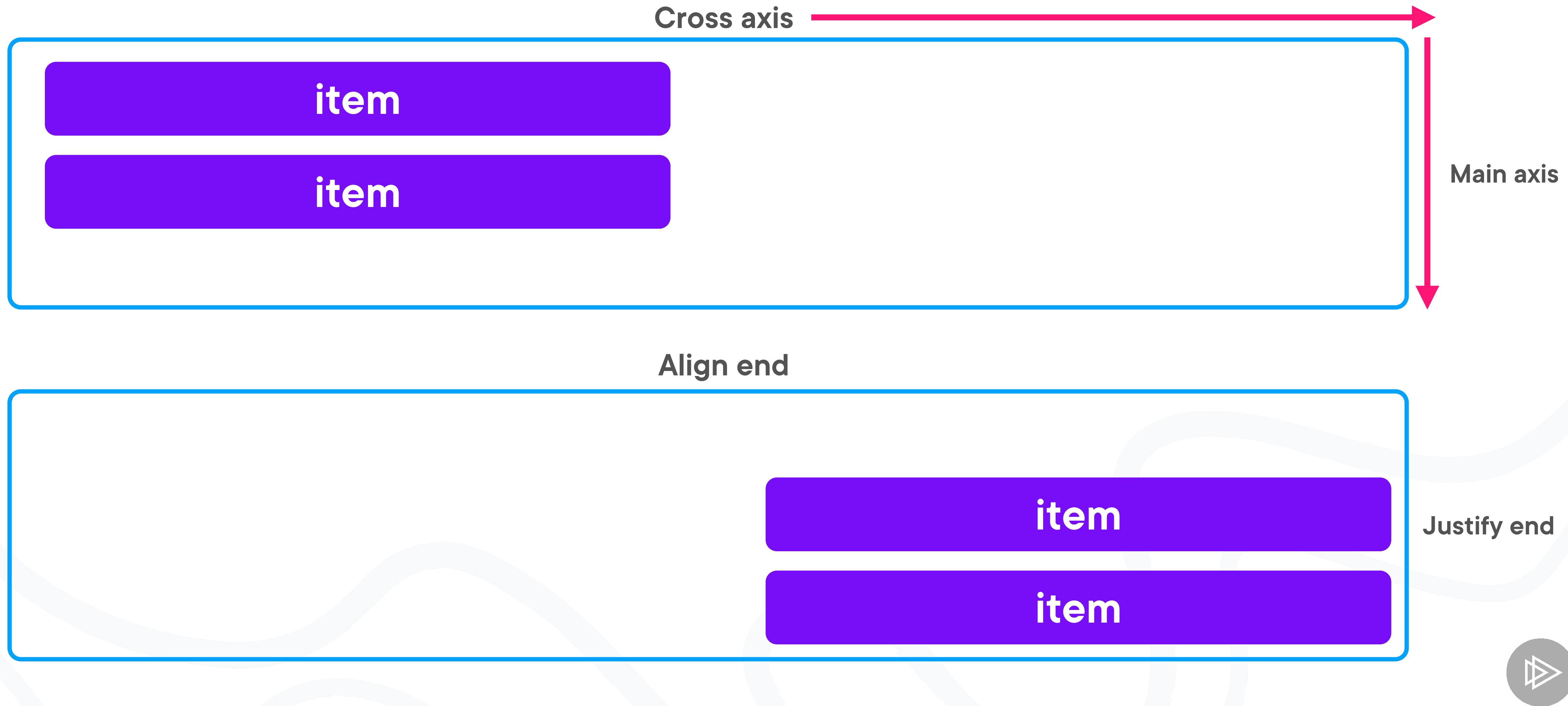
Align in columns - Along the cross access (left/right)



Bootstrap Flexboxes - Rows



Bootstrap Flexboxes - Columns



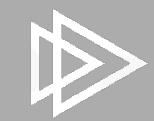
Enhancing Design with Typography, Utilities, and Advanced Styling



Jeff Batt

Founder & Course Author

@JeffBattLXD | www.learningdojo.ninja



Typograph and Text Utilities

Width

Size

Line height

Display

Color

Format

Weight



primary

secondary

success

danger

warning

info

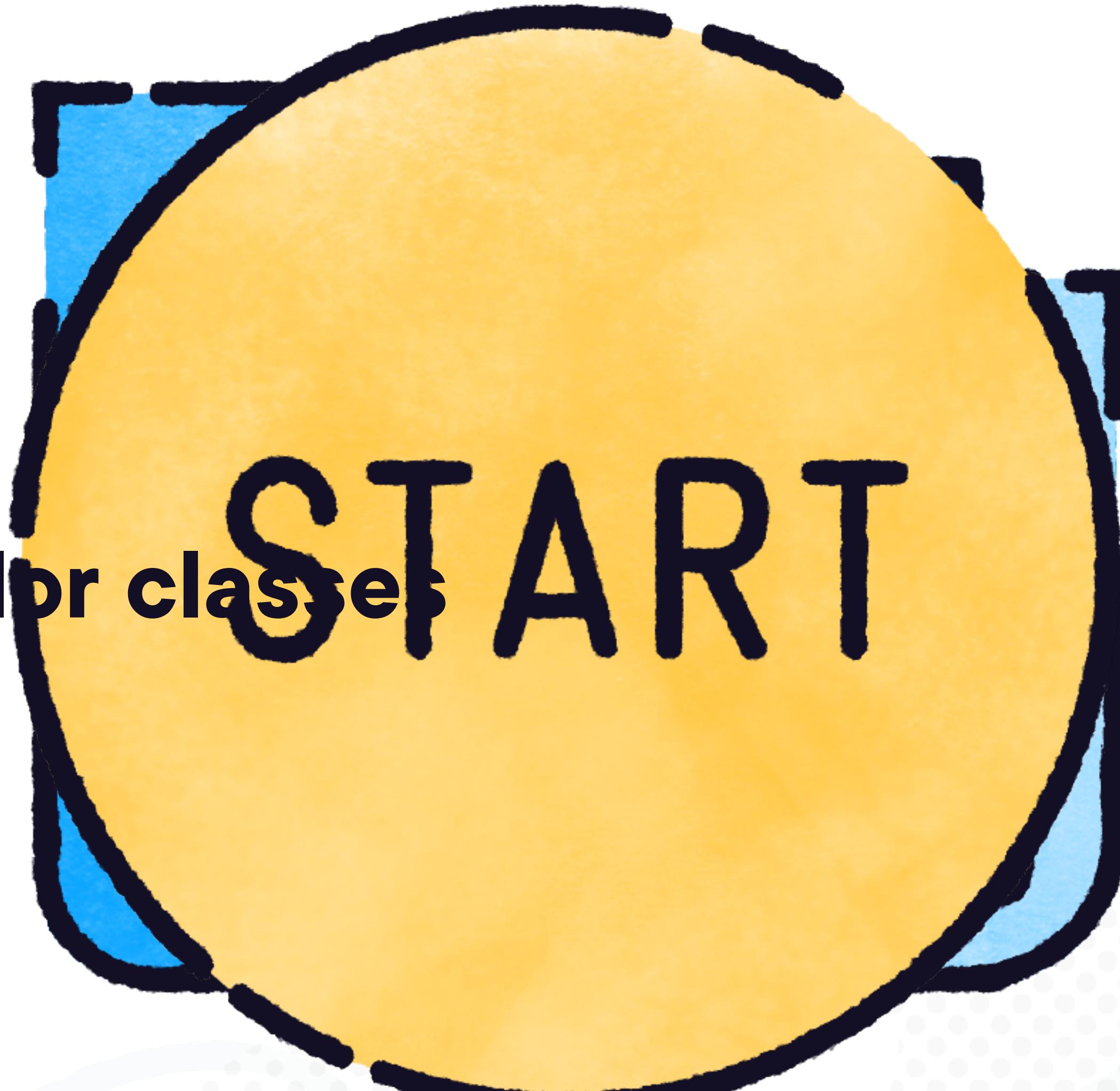
light

dark

white

muted

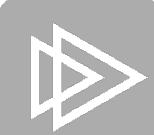
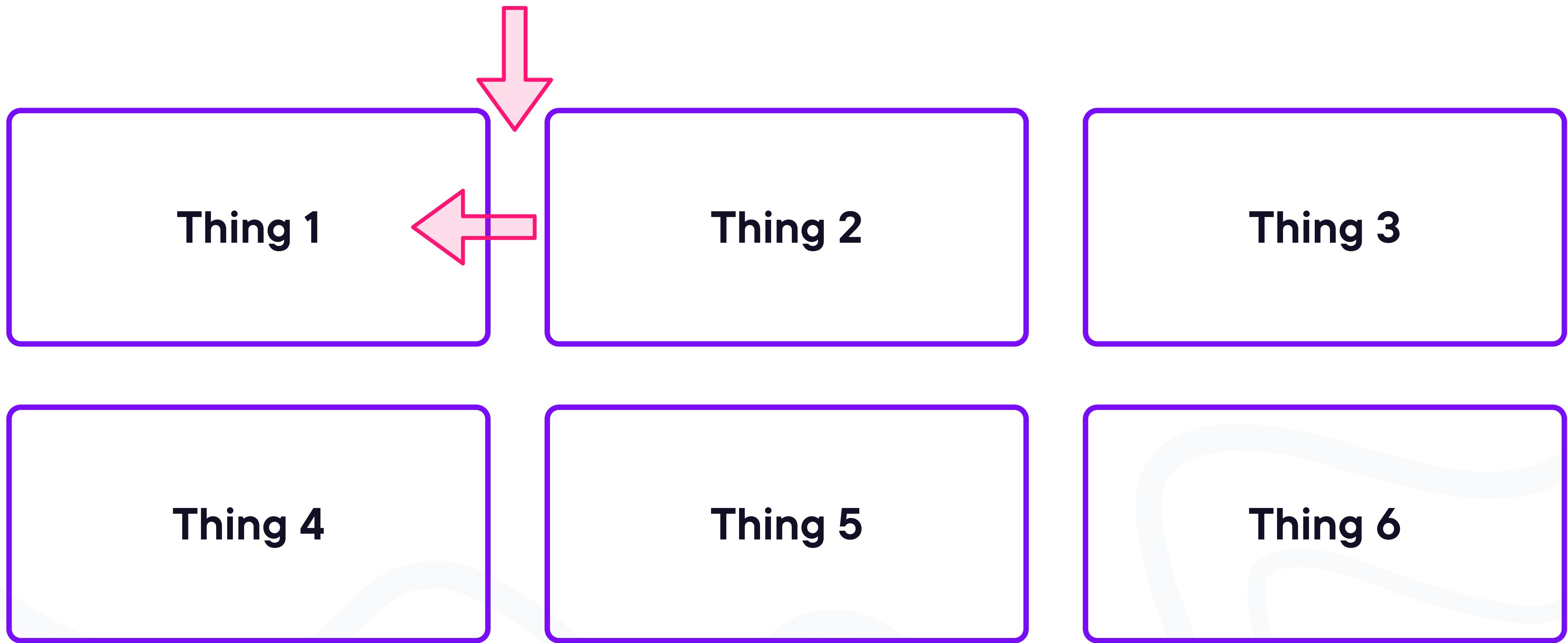
Color classes



START

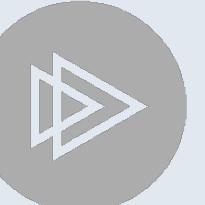


Margin and Padding



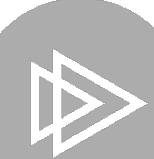
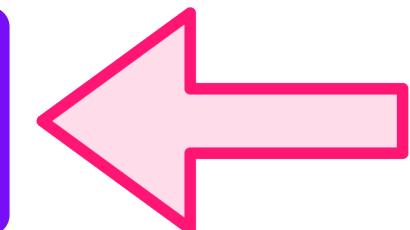
Margin and Padding Applied

```
<div class="row p-3">  
  <button>Click me</button>  
  <p>Text 1</p>  
  <div>Text 2</div>  
</div>
```

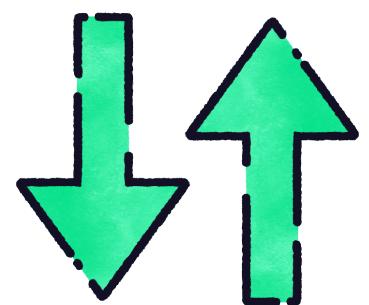


Margin and Padding

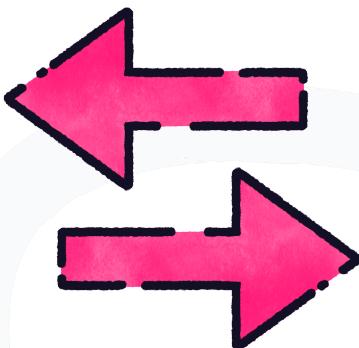
Thing 1



Margin and Padding



y is top & bottom

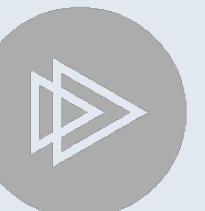


x is left & right



Margin and Padding Applied

```
<div class="row mb-2">  
  <button class="my-3">Click me</button>  
  <p class="p-3">Text 1</p>  
  <div class="ms-3">Text 2</div>  
</div>
```



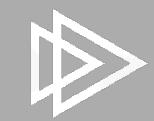
Adding Interactivity with JavaScript-based Bootstrap Components



Jeff Batt

Founder & Course Author

@JeffBattLXD | www.learningdojo.ninja



Finalizing Our Project and Next Steps



Jeff Batt

Founder & Course Author

@JeffBattLXD | www.learningdojo.ninja

