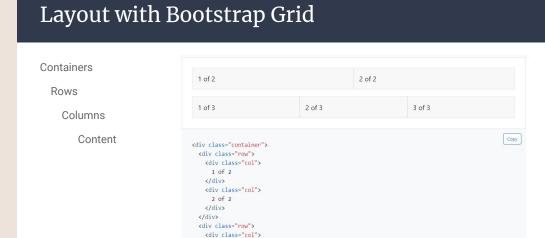# Week 9: Bootstrap

Agenda

- Questions?
- Layout with Bootstrap Grid
- Responsive & Mobile-First
- Bootstrap 5 - What's New?
- Sweet Bootstrap Classes
- Additional Resources
- Next Week: DOM Manipulation

What questions do you have?

Layout with Bootstrap Grid

Containers
Rows
Columns
Content

1 of 2		2 of 2	
1 of 3	2 of 3		3 of 3

Copy

```
<div class="container">
  <div class="row">
    <div class="col">
      1 of 2
    </div>
    <div class="col">
      2 of 2
    </div>
  </div>
  <div class="row">
    <div class="col">
      1 of 3
```

Responsive & Mobile First

- Responsive columns
  ex: col-4 col-sm-3 col-lg-2
- Responsive display
  ex: d-none d-md-block
- Responsive spacing
  ex: me-xl-3
- Responsive container
  ex: container-md

For the given size and larger

Breakpoint	Class infix	Dimensions
X-Small	*None*	<576px
Small	sm	≥576px
Medium	md	≥768px
Large	lg	≥992px
Extra large	xl	≥1200px
Extra extra large	xxl	≥1400px

Bootstrap 5

- No jQuery
- Added XXL breakpoint
- Start and End instead of Left and Right
- Flexible gutters
- Responsive font sizing
- data-something attributes were changed to data-bs-something

Sweet Bootstrap Classes

- Margin & padding, ex: mx-3
- Text alignment, ex: text-center
- Responsive hiding, ex: d-md-none
- Responsive flex, ex: d-sm-flex
- Clearfix, ex: clearfix
- Text truncation, ex: text-truncate
- Shadows, ex: shadow-sm
- Overflow, ex: overflow-hidden
- Muted text, ex: text-muted

Tip: Git Ignore

You can tell Git to ignore certain files or folders using a .gitignore file.

1) Add a file called .gitignore in your git repository
2) Make sure you haven't already added the files you want to ignore
3) If you have already added them, you can stop tracking them with this command:
   `git reset <file-name>`
4) On separate lines, put any files or folders you want ignored

Additional Resources

Bootstrap

https://getbootstrap.com

Sass - for customizing Bootstrap

https://sass-lang.com/

Bootswatch - free themes

https://bootswatch.com/

Wrap Bootstrap - paid themes

https://wrapbootstrap.com/