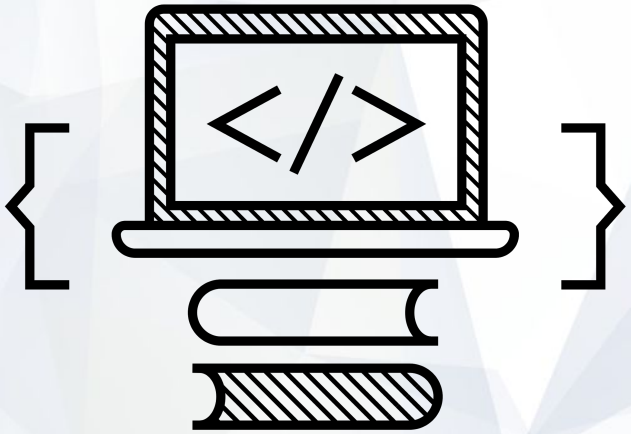
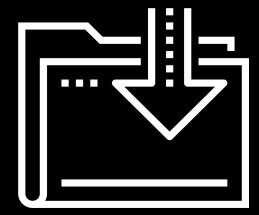


CSS Bootstrap

Course: Java

S1



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WELCOME

Learning Outcomes

By the end of this lesson, you will be able to:

01 Explain the purposes and advantages/disadvantages of using Bootstrap.

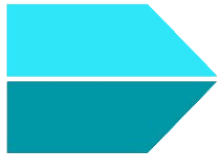
02 Use Bootstrap's documentation to look up and apply necessary styles and components.

03 Style a webpage using Bootstrap.

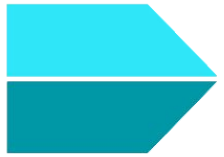
04 Apply some overrides and customizations to Bootstrap using CSS Variables.

CSS Bootstrap

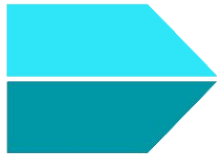
What is CSS Bootstrap?



Bootstrap, currently on version 5, is considered "the world's most popular front-end open-source toolkit."



Bootstrap was created as a side project by a designer/developer at Twitter, with Twitter's blessing.



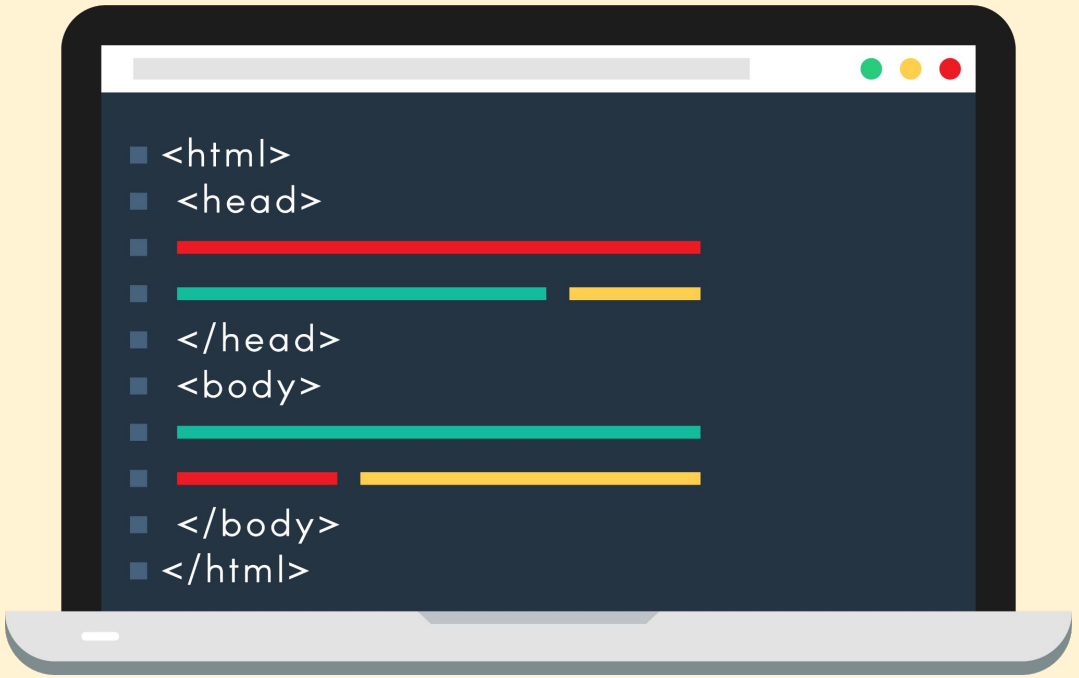
It was first released in 2011 and is still used widely today. This longevity is a testament to its robustness.

Bootstrap takes the same concept that we applied when using utility classes in the previous lesson and amplifies it enormously. We just need to apply the appropriate classes, following the great examples in the Bootstrap documentation. Bootstrap also leverages JS for even more robust widgets and components.

We have to know the suitable classes and HTML structure to use, but we can usually just copy and paste these directly from the documentation!

Getting Started with Bootstrap

- Perhaps the simplest way to get started with Bootstrap is to use the Starter Template.
- In the `<head>`, we see a link to Bootstrap's CSS. For security—to make sure that we load what we expect to—there are a couple of additional attributes: `crossorigin` and `integrity`.
- That CSS file includes everything that we need, including **CSS resets and defaults (called Reboot).** There is no need for `Normalize.css` or anything else at this time.
- Some Bootstrap components use JS—specifically, a JS library called Popper. For simplicity, we will use the option that puts all of this together into a single deliverable.



Time to Code

Peruse the Bootstrap Docs

Suggested Time:

5 minutes

Time to Code

Bootstrap Project

Suggested Time:

60 minutes

Break

Time to Code

Bootstrap Project Continued

Suggested Time:

20 minutes

Activity: Review the Desktop View and Customize Your Site

Suggested Time:

60 minutes

RECAP

Questions?