

Week 4 Overview

Activities

1. Watch the lecture video: Introduction to Bootstrap. You can find the lectures notes used in the video in the Lecture Notes section and the sample code in the Sample Code section.
2. Post your questions and comments in the weekly discussion.
3. Complete Week 4 Quiz by Sunday 9/19.
4. Complete and submit Week 4 Lab by Sunday 9/19.

Learning Objectives

The learning objectives of this week are:

- Understand the concept of Responsive Web Design.
- Know how to add Bootstrap to a web page.
- Understand Bootstrap's layout grid system.
- Know how to use Bootstrap's layout grid to create a responsive page layout.
- Know how to use various Bootstrap components.
- Know how to use Bootstrap to style tables and forms.
- Know how to use Bootstrap utility classes to set border, margin, and padding.
- Know how to use Bootstrap to show/hide elements.
- Know how to add Font Awesome to a web page.
- Know how to use Font Awesome icons on a web page.

Bootstrap 4 vs. 5

The lecture covers Bootstrap version 4.5 while the latest version of Bootstrap is 5.1. Everything covered in the lecture - use of pre-defined CSS classes, grid-based responsive layout, components, utilities for spacing and display, color theme, and so on, still applies to Bootstrap 5. For our purpose, the main difference between Bootstrap 4 and 5 is the change of the names of some Bootstrap CSS classes. For example, `ml-*` and `mr-*` are used in Bootstrap 4 to set left and right margins (with `l` for left and `r` for right); in Bootstrap 5 they are `ms-*` and `me-*` (with `s` for start and `e` for end).

You are free to choose to use either Bootstrap 4 or 5 in your assignments. Just be aware that the lecture notes and Week 4 Lab contain links to Bootstrap 4 documentation, while

<https://getbootstrap.com/>  [\(https://getbootstrap.com/\)](https://getbootstrap.com/) shows Bootstrap 5 documentation by default as shown in the screenshot below:



Search docs...

Ctrl + /

Bootstrap v5.1 ▾

✓ Getting started

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