01

Bootstrap Introduction

What you will learn in bootstrap

- ➢ Bootstrap introduction and integration
- ➢ **Container vs .container-fluid**
- ➢ Bootstrap Grid
- ➢ Grid Layout1
- ➢ Responsive Layout2

Bootstrap introduction

- o Bootstrap is a versatile toolkit that includes HTML, CSS, and JavaScript tools for creating and developing web pages and applications.
- o It is a free and open-source project that was built by (and for) Twitter and is hosted on GitHub.
- o Mark Otto and Jacob Thornton created and announced Bootstrap in August 2011.

Advantages of bootstrap

- o Bootstrap is simple to use and anyone with a basic understanding of HTML and CSS can get started.
- o Features that adapt to phones, tablets, and desktops: Bootstrap's responsive CSS adapts to phones, tablets, and desktops.
- o A mobile-first strategy: Mobile-first styles are built into the Bootstrap framework.

. Container vs .container-fluid

A bootstrap container is a handy class that generates a central region on the page where we can put our site content.

The bootstrap .container has the advantage of being responsive and containing all of our other HTML code

- o **The .container class creates a fixed-width container that is responsive.**
- o **When we need limited fixed size like login screen that scenario we should use .container class.**
- o **Static website**
  - o **Real estate company**
  - o **Restaurant**
  - o **Small medium company website**

Fixed width (.container class)

Hello, world!

Bootstrap by Example, Chapter 1

- • **Fixed Container**
  - • Dimensions of Fixed Container

	Extra small <576px	Small ≥576px	Medium ≥768px	Large ≥992px	Extra large ≥1200px
max-width	100%	540px	720px	960px	1140px

- The .container-fluid class creates a full-width container that spans the entire viewport width.
    - Always about percentage design
    - Always occupy 100% width of the device
        - Mobile
        - Ipad
        - Desktop
        - Large screen

Fluid width (.container-fluid class)

Hello, world!

Bootstrap by Example, Chapter 1

Bootstrap's grid system is built with flexbox and allows up to 12 columns across the page.

The grid system is responsive, and the columns will re-arrange automatically depending on the screen size.

Grid Classes

The Bootstrap 5 grid system has six classes:

- `.col-` (extra small devices - screen width less than 576px)
- `.col-sm-` (small devices - screen width equal to or greater than 576px)
- `.col-md-` (medium devices - screen width equal to or greater than 768px)
- `.col-lg-` (large devices - screen width equal to or greater than 992px)
- `.col-xl-` (xlarge devices - screen width equal to or greater than 1200px)
- `.col-xxl-` (xxlarge devices - screen width equal to or greater than 1400px)