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

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

Advantages of bootstrap

* Bootstrap is simple to use and anyone with a basic understanding of HTML and CSS can get started.
* Features that adapt to phones, tablets, and desktops: Bootstrap's responsive CSS adapts to phones, tablets, and desktops.
* 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**

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

**Text

Description automatically generated**

**Graphical user interface, text, application

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* **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**

**Graphical user interface, text, application, chat or text message

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Bootstrap Grid

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)