



# Bootstrap 5

The Next Generation of Web Development

# Before learning Bootstrap

HTML

CSS



# Responsive Web Design



Responsive web design (RWD) is an approach to web design that makes websites look good and function properly on a variety of devices, from large desktops to small smartphones.



# What is Bootstrap



**Bootstrap is a widely-used front-end framework used to build responsive user interfaces.**

**It provides a collection of pre-built HTML, CSS and javascript components and utilities.**

**Bootstrap simplifies the process of creating consistent and professional-looking web interfaces by offering a wide range of ready-to-use UI components**

# History of Bootstrap

Bootstrap, originally named Twitter Blueprint ,was developed by Mark Otto & Jacob Thornton at Twitter.

Bootstrap was released as Open source project on August19,2011



# Benefits of Bootstrap

## Responsive Design:

Bootstrap is built with a mobile-first approach, ensuring that websites and web applications created with it are responsive and adapt well to various screen sizes.



## Time Efficiency:

Bootstrap provides a wide range of pre-built components and templates, allowing developers to quickly prototype and build web interfaces.

## Consistency and Uniformity:

By using Bootstrap, developers can ensure that their websites have a cohesive look and feel, with consistent typography, spacing, and color schemes.

### **Cross-Browser Compatibility:**

Bootstrap has been extensively tested across different web browsers, ensuring compatibility and consistent rendering across major browsers

### **Customization:**

Developers can easily modify and tailor the framework to match their project's specific requirements.



# What's New in Bootstrap 5

**Enhanced grid system:** More flexible and customizable grid layout.

**Updated default typography:** Improved default typography for better readability.



**Removed jQuery dependency:** Bootstrap 5 no longer relies on jQuery.

**New utility classes:** Additional utility classes for spacing, sizing, and more.

**Reimagined forms:** Redesigned form controls and validation styles.





# How to Get Started with Bootstrap 5



## Set Up Your Development Environment:

Make sure you have a text editor or integrated development environment (IDE) installed on your computer. Popular choices include Visual Studio Code, Sublime Text.



## Download Bootstrap:

Visit the official Bootstrap website at <https://getbootstrap.com/>. Click on the "Download" button to download the latest version of Bootstrap.

You have two options: download the compiled CSS and JavaScript files or download the source files to customize and compile them yourself.



## Link Bootstrap in Your HTML File:

Create a new HTML file or open an existing one in your preferred text editor. In the head section of your HTML file, include the Bootstrap CSS file



Just before the closing `</body>` tag, include the Bootstrap JavaScript file.



Start Using Bootstrap Components: