CSS (Cascading Style Sheets) is a stylesheet language used to style the **HTML elements in a webpage**. **CSS** framework is a library which enables the developers to design more standard-compliant websites using CSS in an easier way. These libraries are ready-to-use so there is no need of writing the long and monotonous CSS codes.

Instead of starting your every project from zero, a CSS framework offers you tools which can quickly make a user interface that can be repeated more than once during the whole project. In this article, we will discuss about the two popular CSS frameworks- *Tailwind CSS* and *Bootstrap*.

Tailwind CSS

Tailwind CSS was developed by **Adam Wathan**. *Tailwind CSS* is a utility-first and low-level framework of CSS. It offers single-purpose classes which can be directly used within the webpage to style an element. It enables the developers to rapidly create customised user interfaces. *Tailwind CSS* is one of the most popular utility-first CSS libraries.

Advantages of using Tailwind CSS

Following are the advantages of using Tailwind CSS –

- Using the pure CSS will require you to write more codes for adding unique features to the elements. Hence, this increases the CSS file size of your web page. Whereas, on using Tailwind CSS, you already have utility classes, so, you can directly write them and also reuse them throughout the web page. This provides us a smaller CSS file.
- The utility classes available are local that is, you can update or modify without disturbing or breaking the web application. It is not possible to do so using pure CSS. It is highly customizable thus, enables us to create unique UI. It offers various features like different color palettes, styling, spacing etc.,
- While using Tailwind CSS, you do not need to name the classes because they have common utility classes. This makes it easier for the developers to create custom elements.

Bootstrap

Bootstrap is a free open-source CSS framework used for creating responsive web and mobile applications. It is a mobile-first front end development framework. It contains HTML, CSS and JavaScript templates for various components. Bootstrap was developed by *Mark Otto* and *Jacob Thorton*. It is one of the most popular frameworks. It is one of the most popular open-source frameworks.

It enables the developers to create web and mobile based applications using server-side technologies like *Java, PHP,* etc., It is used to create applications which can work on various platforms like mobile, tablets, laptops, desktop etc., Bootstrap version 2 supported responsive web applications, its version 3 supported mobile application while its latest version 4 supports SASSs and Flexbox.

Advantages of using Bootstrap

Following are the advantages of using Bootstrap –

- It is a powerful framework used for front end development.
- Bootstrap offers ready-made themes and templates to the developers. This increases the speed of development.
- It has introduced the idea of mobile-first in which the screen is divided into 12 grid system. It ensures cross-browsers compatibility.
- It can be customized according to the project needs. It provides base styling for HTML elements like buttons, off-canvas, accordion, images, icons, tables, forms, code, topography, alerts, progress bars, dropdowns, etc.,

Difference between Tailwind CSS and Bootstrap

Following are the major differences between Bootstrap Tailwind CSS –

Bootstrap	Tailwind CSS
It is one of the most popular HTML, CSS & JS framework used for creating responsive mobile first applications.	It is most popular CSS framework used for creating customized user interfaces.
It offers ready-made themes and templates.	It offers unique utility-first classes.
Applications created using Bootstrap are generally identical because it already has in-built templates for websites.	Application and websites created using Tailwind CSS are unique and flexible.
Bootstrap is a much older framework known for its responsiveness and efficiency. It saves a lot of time of the developers.	Tailwind CSS is a newer framework which is still improving and growing.
It requires large file size	It requires small file size
Famous companies using Bootstrap are Twitter, LinkedIn, Spotify, StackShare.	Famous companies using Tailwind CSS are MAKE IT, Superchat, Hashnode, Livestorm.

Which is better Tailwind CSS or Bootstrap?

Both the frameworks are required in different niches. About which framework is better depends on situation and the need of your project. If your project contains more of backend work and requires common layouts, then Bootstrap will be better. While if your project requires exclusive customization and front-end work, then Tailwind CSS will be better.