

* UI frameworks :-

Responsive design - It means a web page can automatically stretch or shrink depending on the screen is displayed on.

Bootstrap :- It is a library of CSS and javascript code that we can combine to quickly build visually appealing websites.

- It is often described as a way to build fast responsive sites and it is a feature - packet, powerful and extensible frontend toolkit.

Breakpoints are triggers in bootstrap for how our layout changes across device or viewpoint sizes.

Breakpoint	Class infix	Dimensions
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Extra small

Small

Medium

Large

Extra large

Extra extra large

xs

sm

md

lg

xl

xxl

< 576 px

≥ 576 px

≥ 768 px

≥ 992 px

≥ 1200 px

≥ 1400 px

Modifiers - primary

secondary

success

info

warning

Danger

light

dark

- * Bootstrap grid - The bootstrap grid system always have a container, rows and column.
 - For the grid, bootstrap uses a 12 column grid system that can be fluid or fixed.
 - The container is the root element of grid.
- bootstrap grid system always starts with the container.

* Bootstrap Components -

The bootstrap components range from alerts, buttons, badges, cards to various other components.

Some other CSS frameworks and libraries :-

- 1) Pure.css
- 2) Tailwind CSS
- 3) UIKit
- 4) MNP.css

* Static and dynamic content :-

Static content is files that the server transfers just as they are stored on the web server such as video or images.

Dynamic Content is generated when HTTP request is made.

Caching means the web server keeps a copy of dynamic content.

★ React - It is focused on working with components which makes it simple to build functional user interfaces on web and mobile.

- It is one of the most popular javascript libraries.

- Available since 2013

- Open source library with a community of core contributors and companies that maintain it

React component - A small piece of a user interface.

Alternatives to React -

- 1) Lodash
- 2) Luxon
- 3) Redux
- 4) Axios
- 5) Jest