03 Responsive Web

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Bootstrap

Bootstrap is the most popular CSS Framework for developing responsive and mobile-first websites.

Getting Started

- *Include scripts*
  - *<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.8/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-sRIl4kxILFvY47J16cr9ZwB07vP4J8+LH7qKQnuqkuIAvNWLzeN8tE5YBujZqJLB" crossorigin="anonymous">*
  - *<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.8/dist/js/bootstrap.bundle.min.js" integrity="sha384-FKyoEForCGlyvwx9Hjo9JcYn3nv7wiPVlz7YYwJrWVcXK/BmnVDxM+D2scQbITxI" crossorigin="anonymous"></script>*

Layout

- *Breakpoints*
- *Containers*
- *Grid*
- *Columns*
- *Gutters*

Layout

- *Breakpoints*

Breakpoint	Class infix	Dimensions
Extra small	*None*	<576px
Small	`sm`	≥576px
Medium	`md`	≥768px
Large	`lg`	≥992px
Extra large	`xl`	≥1200px
Extra extra large	`xxl`	≥1400px

Layout

- *Containers*

	Extra small <576px	**Small** ≥576px	**Medium** ≥768px	**Large** ≥992px	**X-Large** ≥1200px	**XX-Large** ≥1400px
.container	100%	540px	720px	960px	1140px	1320px
.container-sm	100%	540px	720px	960px	1140px	1320px
.container-md	100%	100%	720px	960px	1140px	1320px
.container-lg	100%	100%	100%	960px	1140px	1320px
.container-xl	100%	100%	100%	100%	1140px	1320px
.container-xxl	100%	100%	100%	100%	100%	1320px
.container-fluid	100%	100%	100%	100%	100%	100%

Layout

- *Grids*

	xs <576px	sm ≥576px	md ≥768px	lg ≥992px	xl ≥1200px	xxl ≥1400px
Container `max-width`	None (auto)	540px	720px	960px	1140px	1320px
Class prefix	`.col-`	`.col-sm-`	`.col-md-`	`.col-lg-`	`.col-xl-`	`.col-xxl-`
# of columns	12					

Forms

- *Form controls*
- *Select*
- *Checkbox / Radio*

Components

- Alert
- Badge
- Button
- Card
- Modal
- Toast

Utilities

- *Border*
- *Color*
- *Display*
- *Text (Alignment, Wrap, Weight)*