



BOOTSTRAP 5

OTHER UTILITIES & HELPERS

([HTTPS://GETBOOTSTRAP.COM/DOCS/5.3/UTILITIES/](https://getbootstrap.com/docs/5.3/utilities/))

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```
<div class="shadow-none p-3 mb-5 bg-light rounded">No shadow</div>  
<div class="shadow-sm p-3 mb-5 bg-body rounded">Small shadow</div>  
<div class="shadow p-3 mb-5 bg-body rounded">Regular shadow</div>  
<div class="shadow-lg p-3 mb-5 bg-body rounded">Larger shadow</div>
```

No shadow

Small shadow

Regular shadow

Larger shadow

2. OPACITY UTILITY

Control the opacity of elements.

```
<div class="opacity-100">...</div>  
<div class="opacity-75">...</div>  
<div class="opacity-50">...</div>  
<div class="opacity-25">...</div>
```

100%

75%

50%

25%

3. OVERFLOW UTILITY

Use these shorthand utilities for quickly configuring how content overflows an element.

This is an
example of using
`.overflow-auto`

This is an
example of
using

This is an
example of
using

This is an
example of
using

```
<div class="overflow-auto">...</div>
<div class="overflow-hidden">...</div>
<div class="overflow-visible">...</div>
<div class="overflow-scroll">...</div>
```

`.overflow-visible` on
an element
with set
width and
height
dimensions.

4. RATIO HELPER

Use generated pseudo elements to make an element maintain the aspect ratio of your choosing. Perfect for responsively handling video or slideshow embeds based on the width of the parent.

4.1. About

4.2. Aspect ratios

4.1. ABOUT

Use the ratio helper to manage the aspect ratios of external content like `<iframe>`s, `<embed>`s, `<video>`s, and `<object>`s. These helpers also can be used on any standard HTML child element (e.g., a `<div>` or ``). Styles are applied from the parent `.ratio` class directly to the child.

```
<div class="ratio ratio-16x9">  
  <iframe src="https://www.youtube.com/embed/zpOULjyy-n8?rel=0" title="YouTube video"  
    allowfullscreen></iframe>  
</div>
```



5. STRETCH LINK HELPER

Make any HTML element or Bootstrap component clickable by “stretching” a nested link via CSS.

- Add `.stretched-link` to a link to make its containing block clickable via a `::after` pseudo element. In most cases, this means that an element with `position: relative`; that contains a link with the `.stretched-link` class is clickable.
- Cards have `position: relative` by default in Bootstrap, so in this case you can safely add the `.stretched-link` class to a link in the card without any other HTML changes.
- Most custom components do not have `position: relative` by default, so we need to add the `.position-relative` here to prevent the link from stretching outside the parent element.

Try to test at the link:

<https://getbootstrap.com/docs/5.3/helpers/stretched-link/>

6. INTERACTIONS UTILITY

Utility classes that change how users interact with contents of a website.

6.1. Text selection

6.2. Pointer events

6.1. TEXT SELECTION

```
<p class="user-select-all">This paragraph will be entirely selected when clicked by the user.</p>  
<p class="user-select-auto">This paragraph has default select behavior.</p>  
<p class="user-select-none">This paragraph will not be selectable when clicked by the user.</p>
```

This paragraph will be entirely selected when clicked by the user.

This paragraph has default select behavior.

This paragraph will not be selectable when clicked by the user.

6.2. POINTER EVENTS

Bootstrap provides `.pe-none` and `.pe-auto` classes to prevent or add element interactions.

```
<p>
  <a href="#" class="pe-none" tabindex="-1" aria-disabled="true">This link</a>
  can not be clicked.
</p>
<p>
  <a href="#" class="pe-auto">This link</a>
  can be clicked (this is default behavior).
</p>
```

[This link](#) can not be clicked.

[This link](#) can be clicked (this is default behavior).

7. SIZING UTILITY

```
<div class="w-25 p-3" style="background-color: #eee;">Width 25%</div>  
<div class="w-50 p-3" style="background-color: #eee;">Width 50%</div>  
<div class="w-75 p-3" style="background-color: #eee;">Width 75%</div>  
<div class="w-100 p-3" style="background-color: #eee;">Width 100%</div>  
<div class="w-auto p-3" style="background-color: #eee;">Width auto</div>
```

Width 25%

Width 50%

Width 75%

Width 100%

Width auto

```
<div class="bg-warning bg-opacity-25" style="height: 100px;">
  <div class="h-25 d-inline-block bg-info" style="width: 120px;">Height 25%</div>
  <div class="h-50 d-inline-block bg-info" style="width: 120px;">Height 50%</div>
  <div class="h-75 d-inline-block bg-info" style="width: 120px;">Height 75%</div>
  <div class="h-100 d-inline-block bg-info" style="width: 120px;">Height 100%</div>
  <div class="h-auto d-inline-block bg-info" style="width: 120px;">Height auto</div>
</div>
```

Height 25%

Height 50%

Height 75%

Height 100%

Height auto

You can also use `max-width: 100%;` and `max-height: 100%;` utilities as needed.

```

```

Max-width 100%

```
<div class="mx-3 bg-warning bg-opacity-25" style="height: 100px;">  
  <div class="mh-100 bg-info" style="width: 100px; height: 200px;">Max-height 100%</div>  
</div>
```

Max-height
100%

8. VERTICAL ALIGNMENT UTILITY

Easily change the vertical alignment of [inline](#), [inline-block](#), [inline-table](#), and [table cell](#) elements.

```
<span class="align-baseline">baseline</span>  
<span class="align-top">top</span>  
<span class="align-middle">middle</span>  
<span class="align-bottom">bottom</span>  
<span class="align-text-top">text-top</span>  
<span class="align-text-bottom">text-bottom</span>
```

baseline top middle bottom text-top text-bottom


```
<table style="height: 100px;">
  <tbody>
    <tr>
      <td class="align-baseline">baseline</td>
      <td class="align-top">top</td>
      <td class="align-middle">middle</td>
      <td class="align-bottom">bottom</td>
      <td class="align-text-top">text-top</td>
      <td class="align-text-bottom">text-bottom</td>
    </tr>
  </tbody>
</table>
```

baseline top

text-top text-bottom

middle

bottom

9. POSITION UTILITY

Use these shorthand utilities for quickly configuring the position of an element.

9.1. Position values

9.2. Arrange elements

9.3. Center elements

9.1. POSITION VALUES

Quick positioning classes are available, though they are not responsive.

```
<div class="position-static">...</div>  
<div class="position-relative">...</div>  
<div class="position-absolute">...</div>  
<div class="position-fixed">...</div>  
<div class="position-sticky">...</div>
```

9.2. ARRANGE ELEMENTS

Arrange elements easily with the edge positioning utilities.
The format is **{property}-{position}**.

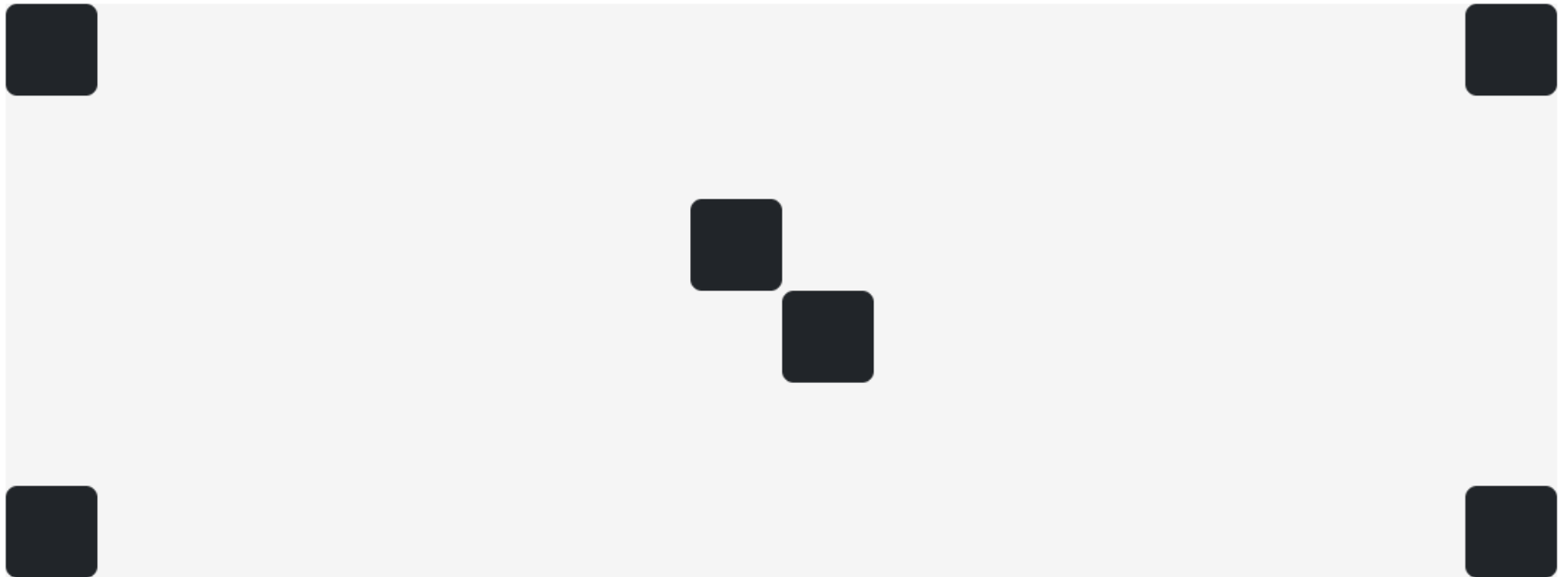
Where property is one of:

- **top** - for the vertical **top** position
- **start** - for the horizontal **left** position (in LTR)
- **bottom** - for the vertical **bottom** position
- **end** - for the horizontal **right** position (in LTR)

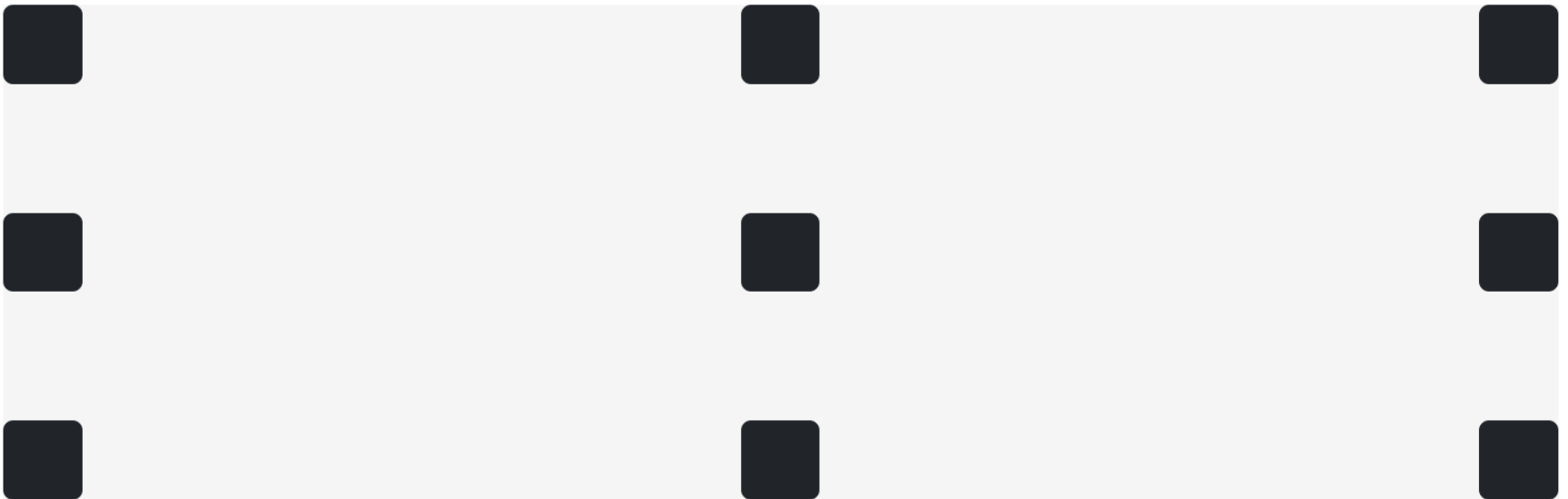
Where position is one of:

- **0** - for **0** edge position
- **50** - for **50%** edge position
- **100** - for **100%** edge position

```
<div class="position-relative">  
  <div class="position-absolute top-0 start-0"></div>  
  <div class="position-absolute top-0 end-0"></div>  
  <div class="position-absolute top-50 start-50"></div>  
  <div class="position-absolute bottom-50 end-50"></div>  
  <div class="position-absolute bottom-0 start-0"></div>  
  <div class="position-absolute bottom-0 end-0"></div>  
</div>
```




```
<div class="position-relative">
  <div class="position-absolute top-0 start-0"></div>
  <div class="position-absolute top-0 start-50 translate-middle-x"></div>
  <div class="position-absolute top-0 end-0"></div>
  <div class="position-absolute top-50 start-0 translate-middle-y"></div>
  <div class="position-absolute top-50 start-50 translate-middle"></div>
  <div class="position-absolute top-50 end-0 translate-middle-y"></div>
  <div class="position-absolute bottom-0 start-0"></div>
  <div class="position-absolute bottom-0 start-50 translate-middle-x"></div>
  <div class="position-absolute bottom-0 end-0"></div>
</div>
```



10. POSITION HELPER

Use these helpers for quickly configuring the position of an element.

10.1. Fixed top

10.2. Fixed bottom

10.3. Sticky top

10.4. Responsive sticky top

10.1. FIXED TOP

Position an element at the top of the viewport, from edge to edge. Be sure you understand the ramifications of fixed position in your project; you may need to add additional CSS.

```
<div class="fixed-top">  
  <div class="bg-secondary p-3">Menu here</div>  
</div>  
<p>Long content</p>
```

Menu here

should be maintained to prevent the disease from spreading, he said. "We would have to accept that there will still be infections in the community, yet outbreaks will be put under control, and at the same time, we would stay open and develop the economy. "Of course we must have a roadmap

10.2. FIXED BOTTOM

Position an element at the bottom of the viewport, from edge to edge. Be sure you understand the ramifications of fixed position in your project; you may need to add additional CSS.

```
<div class="fixed-bottom">  
  <div class="bg-secondary p-3">Bottom links</div>  
</div>  
<p>Long content...</p>
```

administered almost all adults with the first vaccine dose and have started on the second. Many other localities are still far behind in their low vaccination rates." "In the final months of this year, vaccination speed should pick up as more doses come to Vietnam from different sources," said Cuong. Dr. Thai

Bottom links

10.3. STICKY TOP

Position an element at the top of the viewport, from edge to edge, but only after you scroll past it. The `.sticky-top` utility uses CSS's `position: sticky`, which isn't fully supported in all browsers.

```
<div class="bg-info p-2">Top bar</div>
<div class="sticky-top">
  <div class="bg-secondary p-3">Sticky menu</div>
</div>
<p>Long content...</p>
```

Top bar

Sticky menu

With Vietnam shifting its focus to adapting to and living with the Covid-19 pandemic, experts say proper risk classification and conditional easing of restrictions will assume crucial importance. They agree with the government's move to

Sticky menu

importance. They agree with the government's move to reopen and revive the economy after months of stringent restrictions, but stress that vigilance and proper control measures are needed for the move to succeed. National Assembly deputy Hoang Van Cuong said many countries in the world have given up on plans to eliminate the novel

10.4. RESPONSIVE STICKY TOP

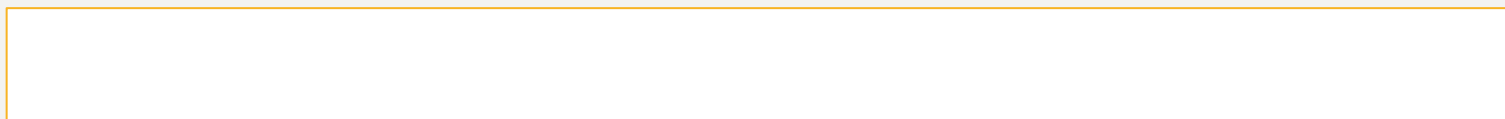
Responsive variations also exist for `.sticky-top` utility.

```
<div class="sticky-sm-top">Stick to the top on viewports sized SM (small) or wider</div>  
<div class="sticky-md-top">Stick to the top on viewports sized MD (medium) or wider</div>  
<div class="sticky-lg-top">Stick to the top on viewports sized LG (large) or wider</div>  
<div class="sticky-xl-top">Stick to the top on viewports sized XL (extra-large) or wider</div>
```

11. VISUALLY HIDDEN HELPER

Visually hide an element while still allowing it to be exposed to assistive technologies (such as screen readers) with `.visually-hidden`. Use `.visually-hidden-focusable` to visually hide an element by default, but to display it when it's focused (e.g. by a keyboard-only user).

```
<h2 class="visually-hidden">Title for screen readers</h2>  
<a class="visually-hidden-focusable" href="#content">Skip to main content</a>  
<div class="visually-hidden-focusable">A container with a <a href="#">focusable element</a>.</div>
```



12. VERTICAL RULE HELPER

Vertical rules are inspired by the `<hr>` element, allowing you to create vertical dividers in common layouts. They're styled just like `<hr>` elements:

- They're `1px` wide
- They have `min-height` of `1em`
- Their color is set via `currentColor` and `opacity`.

```
<div class="vr"></div>
```

```
|
```

13. STACKS HELPER

Shorthand helpers that build on top of our flexbox utilities to make component layout faster and easier than ever.

13.1. Vertical

13.2. Horizontal

13.3. Examples

13.1. VERTICAL

Use `.vstack` to create vertical layouts. Stacked items are full-width by default. Use `.gap-*` utilities to add space between items.

```
<div class="vstack gap-3">  
  <div class="bg-light border">First item</div>  
  <div class="bg-light border">Second item</div>  
  <div class="bg-light border">Third item</div>  
</div>
```

First item

Second item

Third item

13.2. HORIZONTAL

Use `.hstack` for horizontal layouts. Stacked items are vertically centered by default and only take up their necessary width. Use `.gap-*` utilities to add space between items.

```
<div class="hstack gap-3">  
  <div class="bg-light border">First item</div>  
  <div class="bg-light border">Second item</div>  
  <div class="bg-light border">Third item</div>  
</div>
```

First item

Second item

Third item

- Using horizontal margin utilities like `.ms-auto` as spacers

```
<div class="hstack gap-3">  
  <div class="bg-light border">First item</div>  
  <div class="bg-light border ms-auto">Second item</div>  
  <div class="bg-light border">Third item</div>  
</div>
```

First item

Second item

Third item

- And with vertical rules

```
<div class="hstack gap-3">  
  <div class="bg-light border">First item</div>  
  <div class="bg-light border ms-auto">Second item</div>  
  <div class="vr"></div>  
  <div class="bg-light border">Third item</div>  
</div>
```

First item

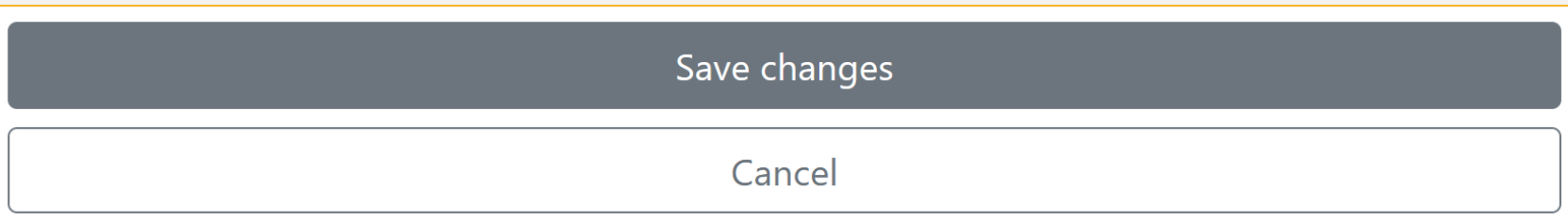
Second item

Third item

13.3. EXAMPLES

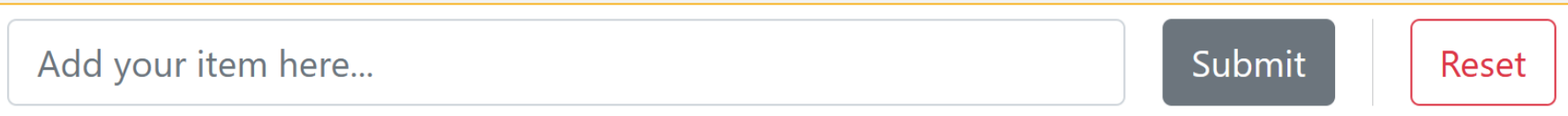
- Use **.vstack** to stack buttons and other elements

```
<div class="vstack gap-2 col-md-5 mx-auto">  
  <button type="button" class="btn btn-secondary">Save changes</button>  
  <button type="button" class="btn btn-outline-secondary">Cancel</button>  
</div>
```



- Create an inline form with **.hstack**

```
<div class="hstack gap-3">  
  <input class="form-control me-auto" type="text" placeholder="Add your item here...">  
  <button type="button" class="btn btn-secondary">Submit</button>  
  <div class="vr"></div>  
  <button type="button" class="btn btn-outline-danger">Reset</button>  
</div>
```



14. FLEX UTILITY

Quickly manage the layout, alignment, and sizing of grid columns, navigation, components, and more with a full suite of responsive flexbox utilities. For more complex implementations, custom CSS may be necessary.

Read more at: <https://getbootstrap.com/docs/5.3/utilities/flex/>



THE END