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# Flex

Quickly manage the layout, alignment, and sizing of grid columns, navigation, components, and more with a full suite of responsive flexbox utilities.

## Flex enable

To create flexbox container and transform direct children elements into flex items add `.d-flex` or `.d-inline-flex` class to element. Flex containers and items are able to be modified further with additional flex properties.

I am a flexbox container!

```
<div class="d-flex p-2">I am a flexbox container!</div>
```

I am a inline flexbox container!

```
<div class="d-inline-flex p-2">I am a inline flexbox container!</div>
```

Responsive variations also exist for `.d-flex` and `.d-inline-flex` as `.d-flex-*` and `.d-inline-flex-*`. You can change asterisk to `sm`, `md`, `lg`, `xl` or `xxl`.

## Direction

Set the direction of flex items in a flex container with direction utilities. In most cases you can omit the horizontal class here as the browser default is `row`. However, you may encounter situations where you needed to explicitly set this value (like responsive layouts).

Use `.flex-row` to set a horizontal direction (the browser default), or `.flex-row-re` to start the horizontal direction from the opposite side.

Flex item 1

Flex item 2

Flex item 3

Flex item 3

Flex item 2

Flex item 1

```
<div class="d-flex flex-row">
  <div class="p-2 bg-lightCyan">Flex item 1</div>
  <div class="p-2 bg-cyan">Flex item 2</div>
  <div class="p-2 bg-darkCyan">Flex item 3</div>
</div>
<div class="d-flex flex-row-r">
  <div class="p-2 bg-lightCyan">Flex item 1</div>
  <div class="p-2 bg-cyan">Flex item 2</div>
  <div class="p-2 bg-darkCyan">Flex item 3</div>
</div>
```

Use `.flex-column` to set a vertical direction, or `.flex-column-r` to start the vertical direction from the opposite side.

Flex item 1

Flex item 2

Flex item 3

Flex item 3

Flex item 2

Flex item 1

```
<div class="d-flex flex-column">
  <div class="p-2 bg-lightCyan">Flex item 1</div>
  <div class="p-2 bg-cyan">Flex item 2</div>
  <div class="p-2 bg-darkCyan">Flex item 3</div>
</div>
<div class="d-flex flex-column-r">
  <div class="p-2 bg-lightCyan">Flex item 1</div>
  <div class="p-2 bg-cyan">Flex item 2</div>
  <div class="p-2 bg-darkCyan">Flex item 3</div>
</div>
```

## Justify content

Use `justify-content` utilities on flexbox containers to change the alignment of flex items on the main axis (the x-axis to start, y-axis if `flex-direction: column`). Choose from `start` (browser default), `end`, `center`, `between`, or `around`.

Flex item 1

Flex item 2

Flex item 3

Flex item 1

Flex item 2

Flex item 3

Flex item 1

Flex item 2

Flex item 3

Flex item 1

Flex item 2

Flex item 3

Flex item 1

Flex item 2

Flex item 3

Flex item 1

Flex item 2

Flex item 3

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```
<div class="d-flex flex-justify-start">...</div>
<div class="d-flex flex-justify-end">...</div>
<div class="d-flex flex-justify-center">...</div>
<div class="d-flex flex-justify-between">...</div>
<div class="d-flex flex-justify-around">...</div>
```

## Align items

Use `align-items` utilities on flexbox containers to change the alignment of flex items on the cross axis (the y-axis to start, x-axis if `flex-direction: column`). Choose from `start`, `end`, `center`, `baseline`, or `stretch` (browser default).

Flex item 1Flex item 2Flex item 3

Flex item 1Flex item 2Flex item 3

Flex item 1Flex item 2Flex item 3

Flex item 1Flex item 2Flex item 3

Flex item 1Flex item 2Flex item 3

Flex item 1Flex item 2Flex item 3

```
<div class="d-flex flex-align-start">...</div>
<div class="d-flex flex-align-end">...</div>
<div class="d-flex flex-align-center">...</div>
<div class="d-flex flex-align-baseline">...</div>
<div class="d-flex flex-align-stretch">...</div>
```

## Align self

Use `align-self` utilities on flexbox items to individually change their alignment on the cross axis (the y-axis to start, x-axis if `flex-direction: column`). Choose from the same options as align-items: `start`, `end`, `center`, `baseline`, or `stretch` (browser default).

Flex item 1Flex item 2Flex item 3

Flex item 1Flex item 2Flex item 3

Flex item 1Flex item 2Flex item 3

Flex item 1Flex item 2Flex item 3

Flex item 1Flex item 2Flex item 3

```
<div class="d-flex">
  <div class="flex-self-start">...</div>
  <div class="flex-self-end">...</div>
  <div class="flex-self-center">...</div>
  <div class="flex-self-baseline">...</div>
  <div class="flex-self-stretch">...</div>
</div>
```

## Align content

Use `align-content` utilities on flexbox containers to align flex items together on the cross axis. Choose from `start` (browser default), `end`, `center`, `between`, `around`, or `stretch`. To demonstrate these utilities, we've enforced `flex-wrap: wrap` and increased the number of flex items.

This property has no effect on single rows of flex items.

Flex itemFlex itemFlex itemFlex itemFlex itemFlex itemFlex itemFlex itemFlex item

Flex itemFlex itemFlex itemFlex itemFlex item

```
<div class="d-flex flex-content-start flex-wrap">...</div>
```



Flex item	Flex item	Flex item	Flex item	Flex item	Flex item	Flex item	Flex item	Flex item
Flex item	Flex item	Flex item	Flex item	Flex item				

```
<div class="d-flex flex-content-end flex-wrap">...</div>
```



Flex item	Flex item	Flex item	Flex item	Flex item	Flex item	Flex item	Flex item	Flex item
Flex item	Flex item	Flex item	Flex item	Flex item				

```
<div class="d-flex flex-content-center flex-wrap">...</div>
```



Flex item	Flex item	Flex item	Flex item	Flex item	Flex item	Flex item	Flex item	Flex item
Flex item	Flex item	Flex item	Flex item	Flex item				

```
<div class="d-flex flex-content-between flex-wrap">...</div>
```



Flex item	Flex item	Flex item	Flex item	Flex item	Flex item	Flex item	Flex item	Flex item
Flex item	Flex item	Flex item	Flex item	Flex item				

```
<div class="d-flex flex-content-around flex-wrap">...</div>
```



Flex item	Flex item	Flex item	Flex item	Flex item	Flex item	Flex item	Flex item	Flex item
Flex item	Flex item	Flex item	Flex item	Flex item				

```
<div class="d-flex flex-content-stretch flex-wrap">...</div>
```



## Auto margins

Flexbox can do some pretty awesome things when you mix flex alignments with auto margins.

### .flex-justify-content

Easily move all flex items to one side, but keep another on the opposite end by mixing `justify-content` with `margin-right: auto` or `margin-left: auto`.

Flex item		Flex item	Flex item
Flex item	Flex item		Flex item

```
<div class="d-flex flex-justify-end">
  <div class="mr-auto">Flex item</div>
</div>

<div class="d-flex flex-justify-start">
  <div>Flex item</div>
  <div class="ml-auto">Flex item</div>
</div>
```



## .flex-align-items

Similarly, move one flex item to the top or bottom of a container by mixing `align-items`, `flex-direction: column`, and `margin-top: auto` or `margin-bottom: auto`.



## Wrap

Change how flex items wrap in a flex container. Choose from no wrapping at all (the browser default) with `.flex-nowrap`, wrapping with `.flex-wrap`, or reverse wrapping with `.flex-wrap-r`.

```
<div class="d-flex flex-nowrap">...</div>
<div class="d-flex flex-wrap">...</div>
<div class="d-flex flex-wrap-r">...</div>
```



## Order

Change the visual order of specific flex items with a handful of order utilities. We only provide options for making an item first or last, as well as a reset to use the DOM order. As order takes any integer value (e.g., 5), add custom CSS for any additional values needed.



## Responsive

All flex utilities classes has media variants with breakpoints suffixes: `-sm`, `-md`, `-lg`, `-xl`, `-xxl`.