

CSS

FLEXBOX & CSS GRID

FLEXBOX

Justify



IN A ROCKET


Learn front-end development at *rocket speed*

The specification that details how alignment works for different layout contexts, including Flexbox and CSS Grid.

CSS Box Alignment Module Level 3

CSS Box Alignment Module Level 3

W3C Working Draft, 23 April 2018



This version:
<https://www.w3.org/TR/2018/WD-css-align-3-20180423/>

Latest published version:
<https://www.w3.org/TR/css-align-3/>

Editor's Draft:
<https://drafts.csswg.org/css-align/>

Previous Versions:
<https://www.w3.org/TR/2017/WD-css-align-3-20170906/>
<https://www.w3.org/TR/2017/WD-css-align-3-20170720/>
<https://www.w3.org/TR/2017/WD-css-align-3-20170515/>
<https://www.w3.org/TR/2017/WD-css-align-3-20170407/>
<https://www.w3.org/TR/2017/WD-css-align-3-20170215/>
<https://www.w3.org/TR/2016/WD-css-align-3-20160614/>
<https://www.w3.org/TR/2016/WD-css-align-3-20160519/>
<https://www.w3.org/TR/2014/WD-css-align-3-20141218/>
<https://www.w3.org/TR/2013/WD-css3-align-20130514/>
<https://www.w3.org/TR/2012/WD-css3-align-20120612/>

Test Suite:
http://test.csswg.org/suites/css-align-3_dev/nightly-unstable/

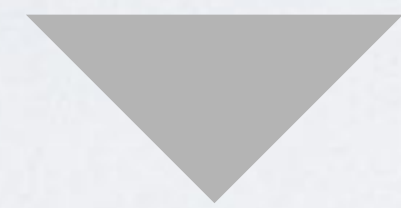
Issue Tracking:
[Inline In Spec](#)
[GitHub Issues](#)

Editors:
[Elika J. Etemad / fantasai](#) (Invited Expert)
[Tab Atkins Jr.](#) (Google)

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JUSTIFY



MAIN
axis

ALIGN



CROSS
axis

“The **justify-content** property aligns flex items along the main axis of the current line of the flex container.”

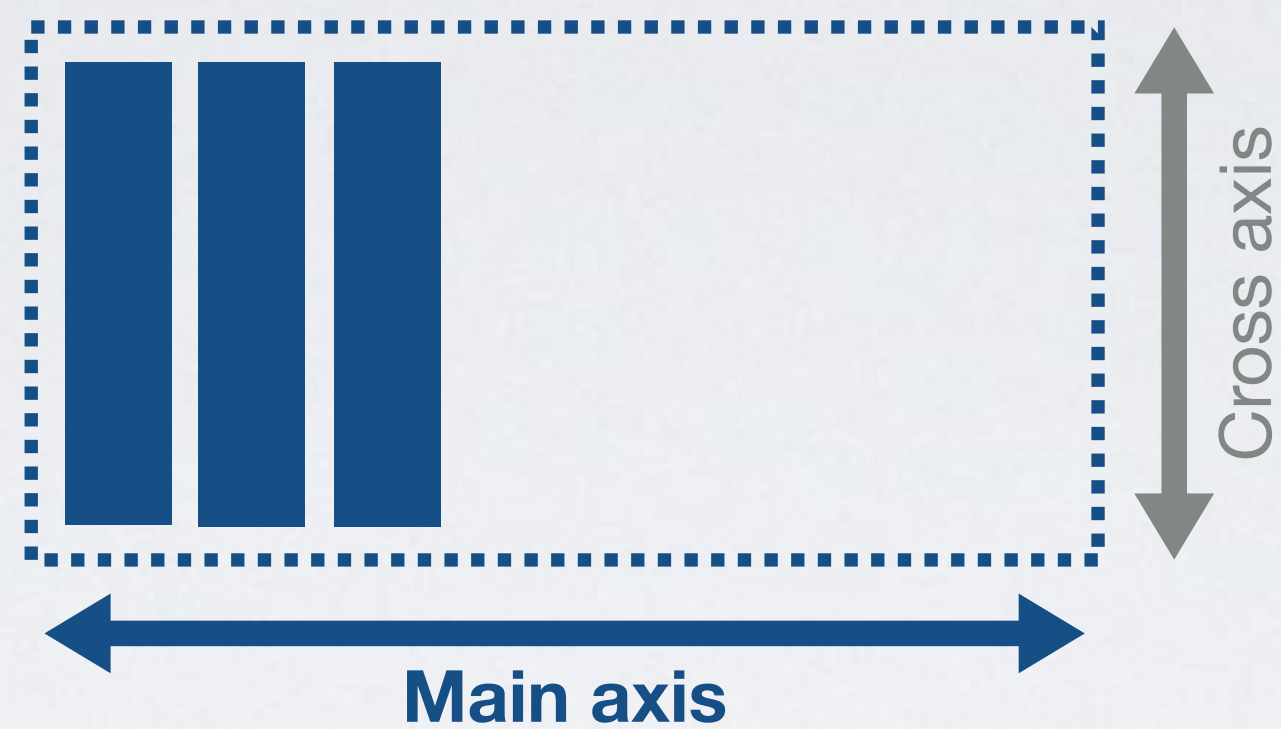


SOURCE: [CSS Flexible Box Layout Module Level 1](#) by W3C.

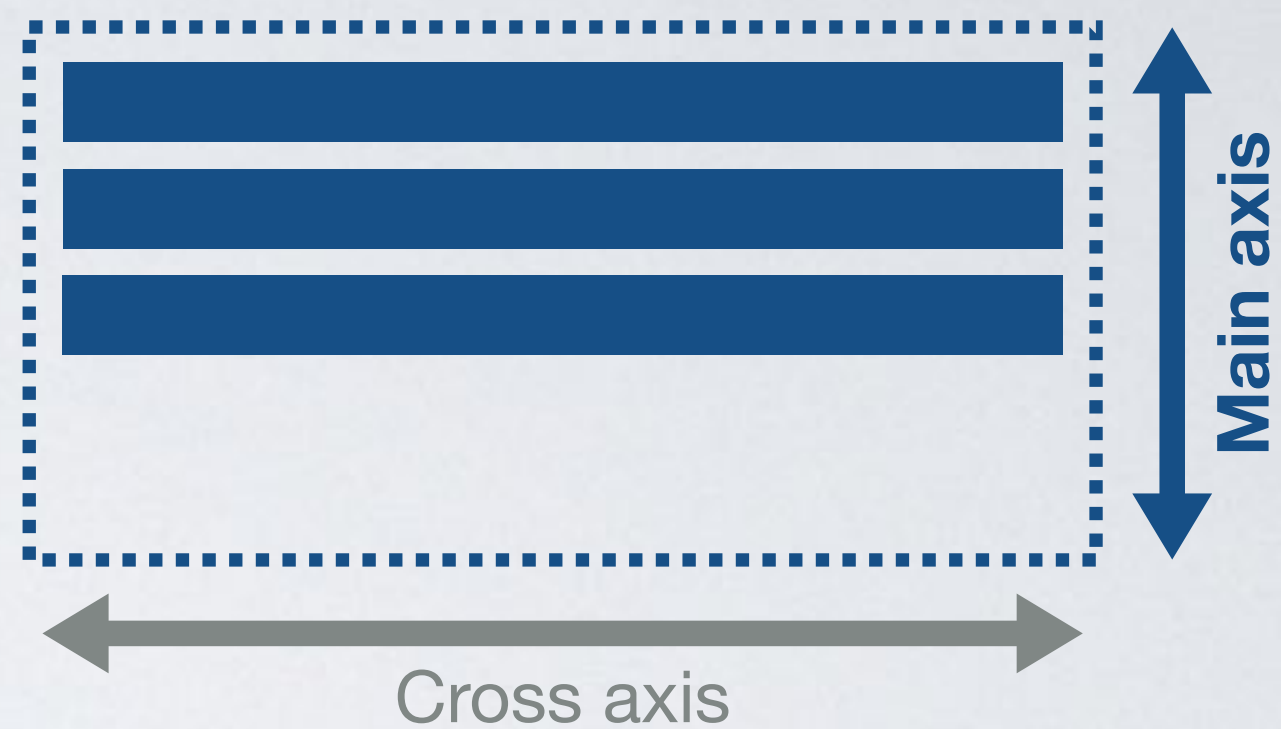
justify-content

Performs **main axis** alignment.

flex-direction: **row**



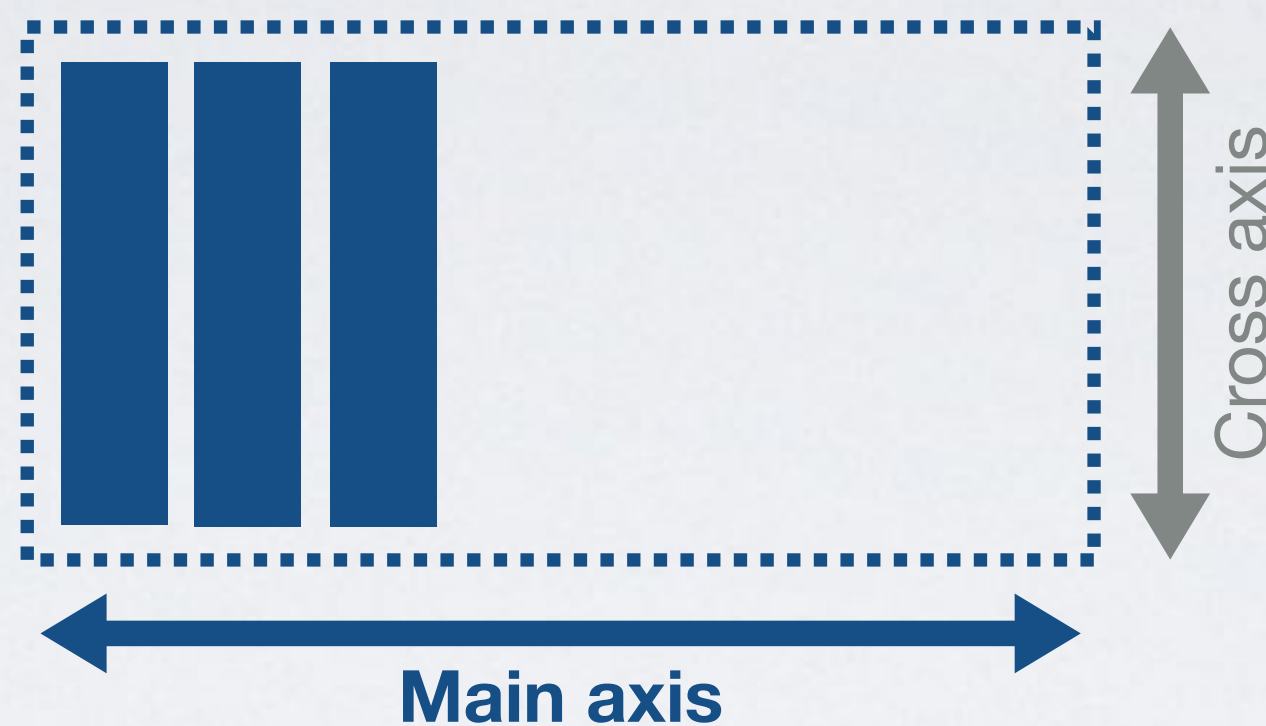
flex-direction: **column**



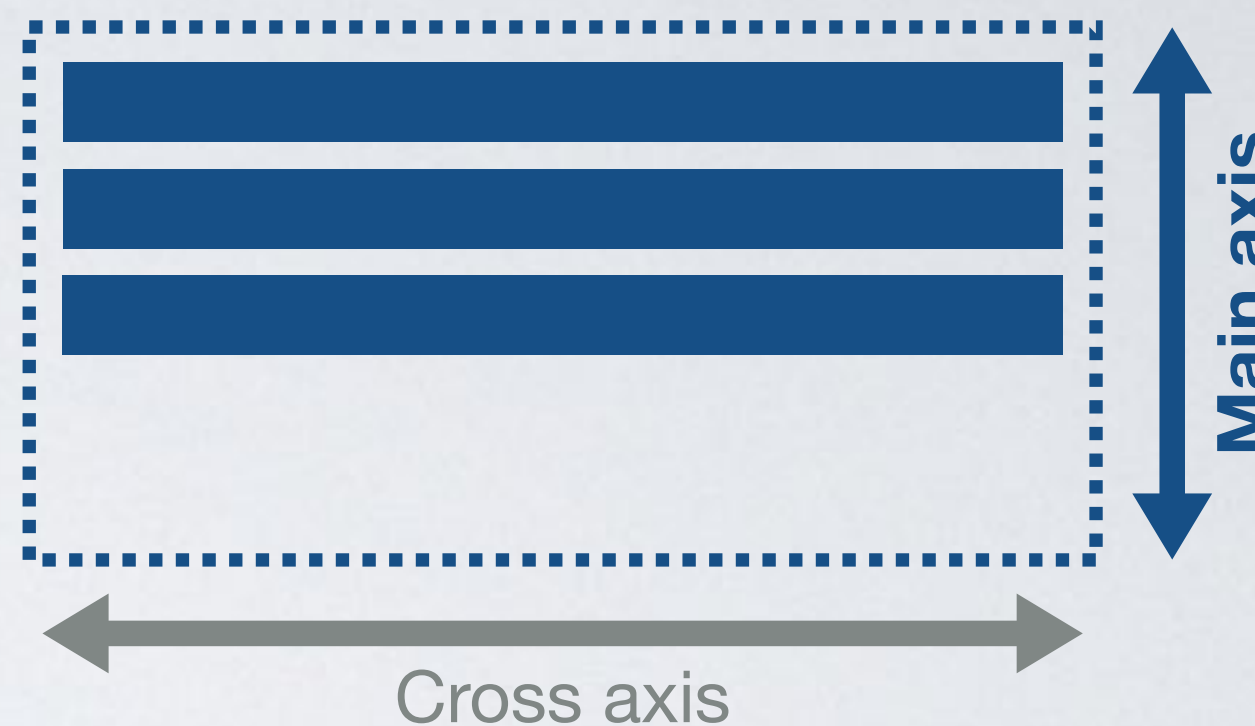
justify-content

Performs **main axis** alignment.

flex-direction: **row**



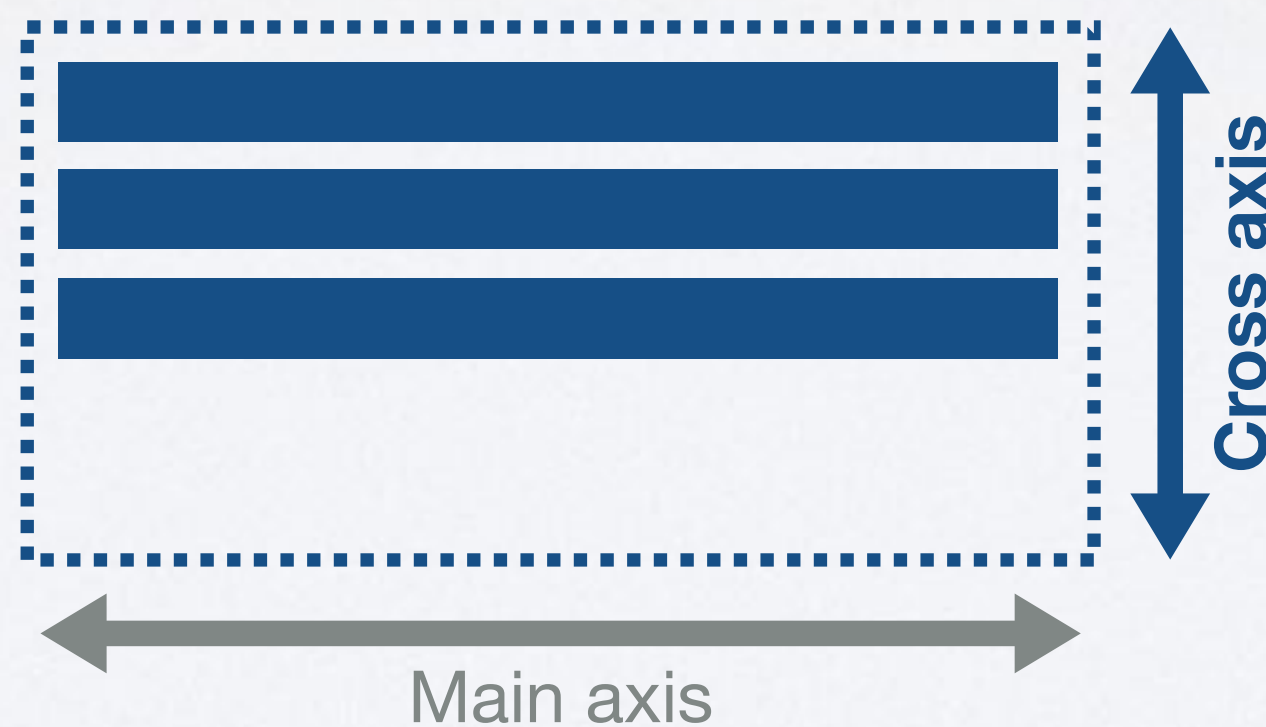
flex-direction: **column**



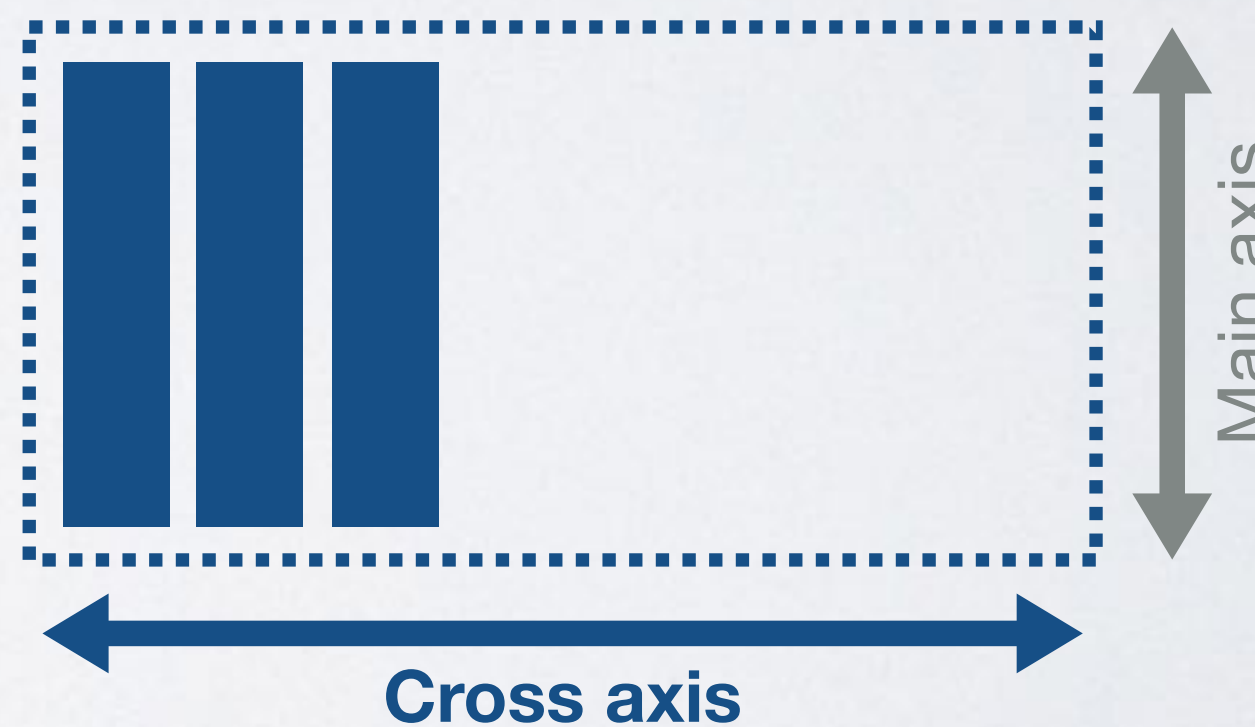
align-items

Performs **cross axis** alignment.

flex-direction: **row**



flex-direction: **column**



justify-content:
flex-end

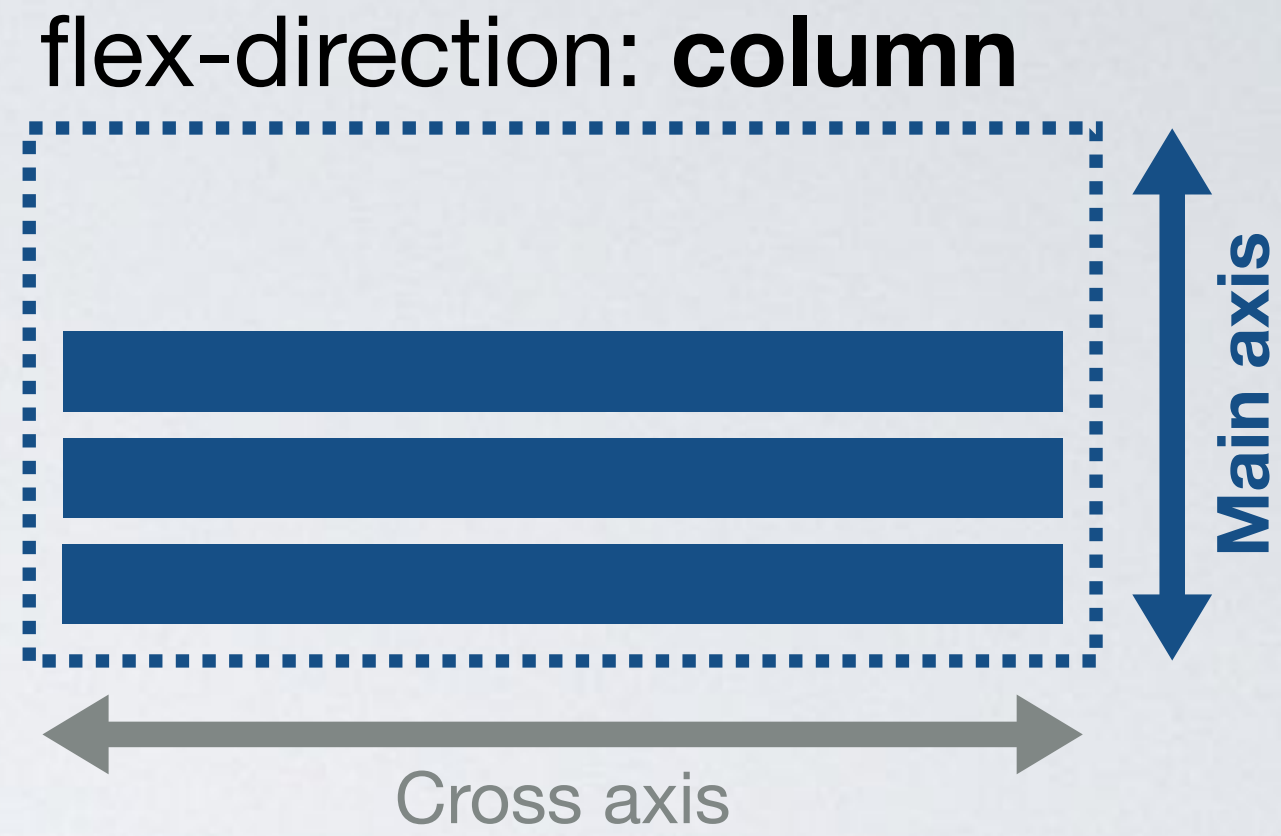
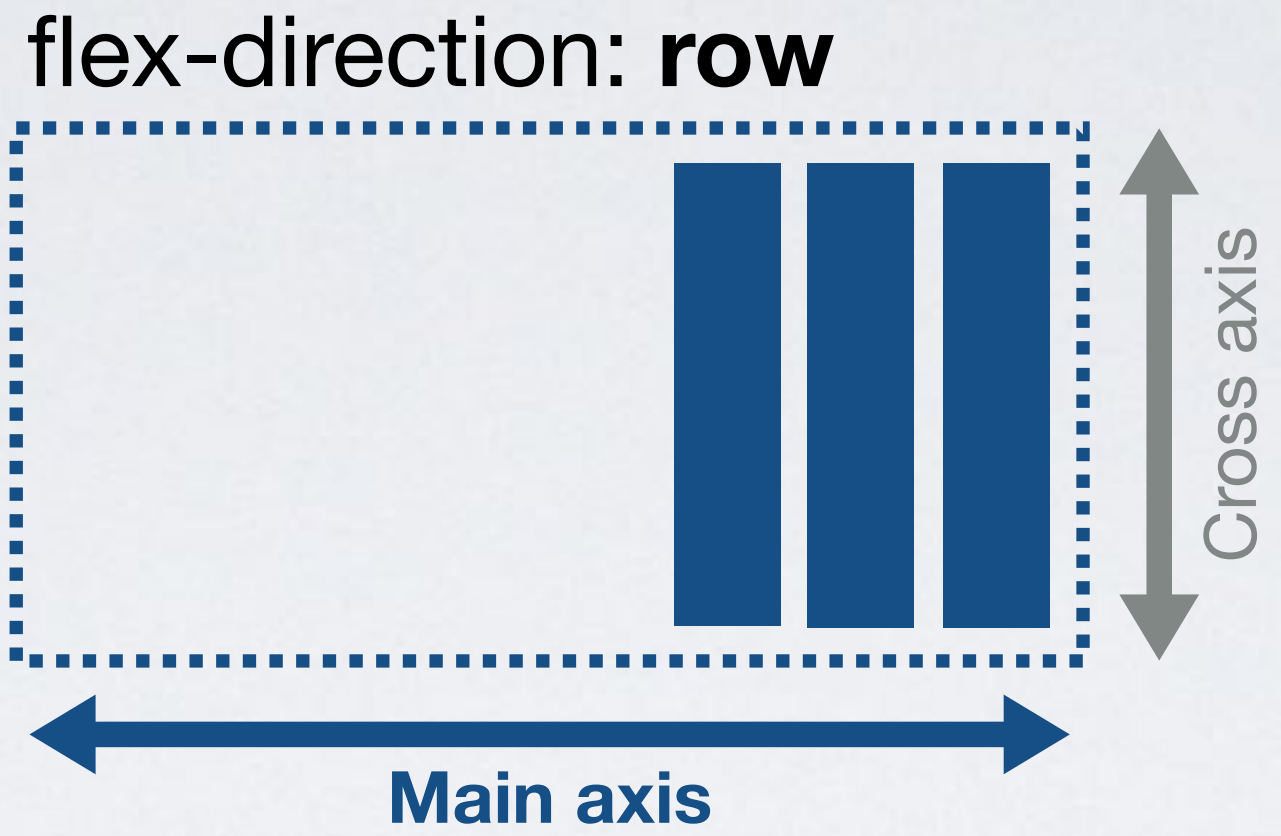
flex-direction: **row**



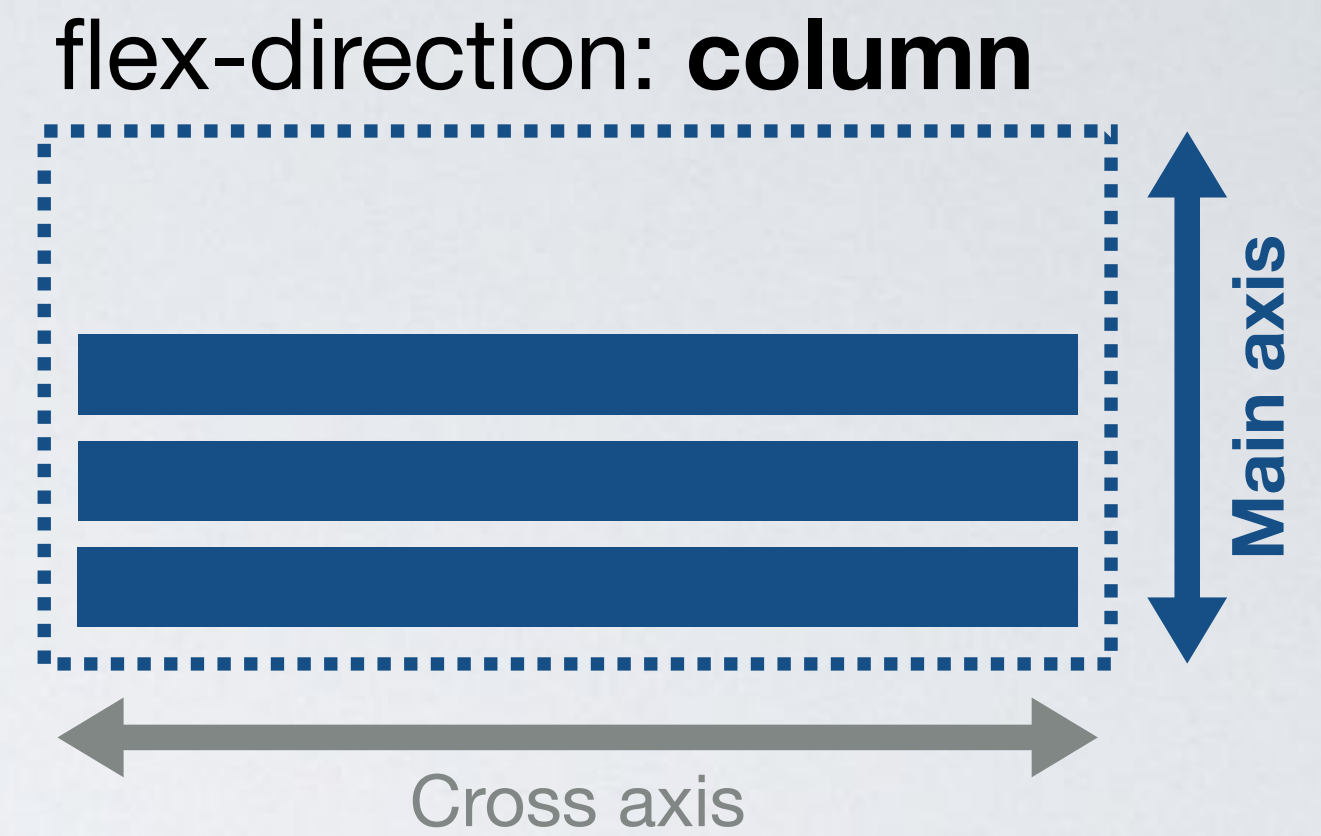
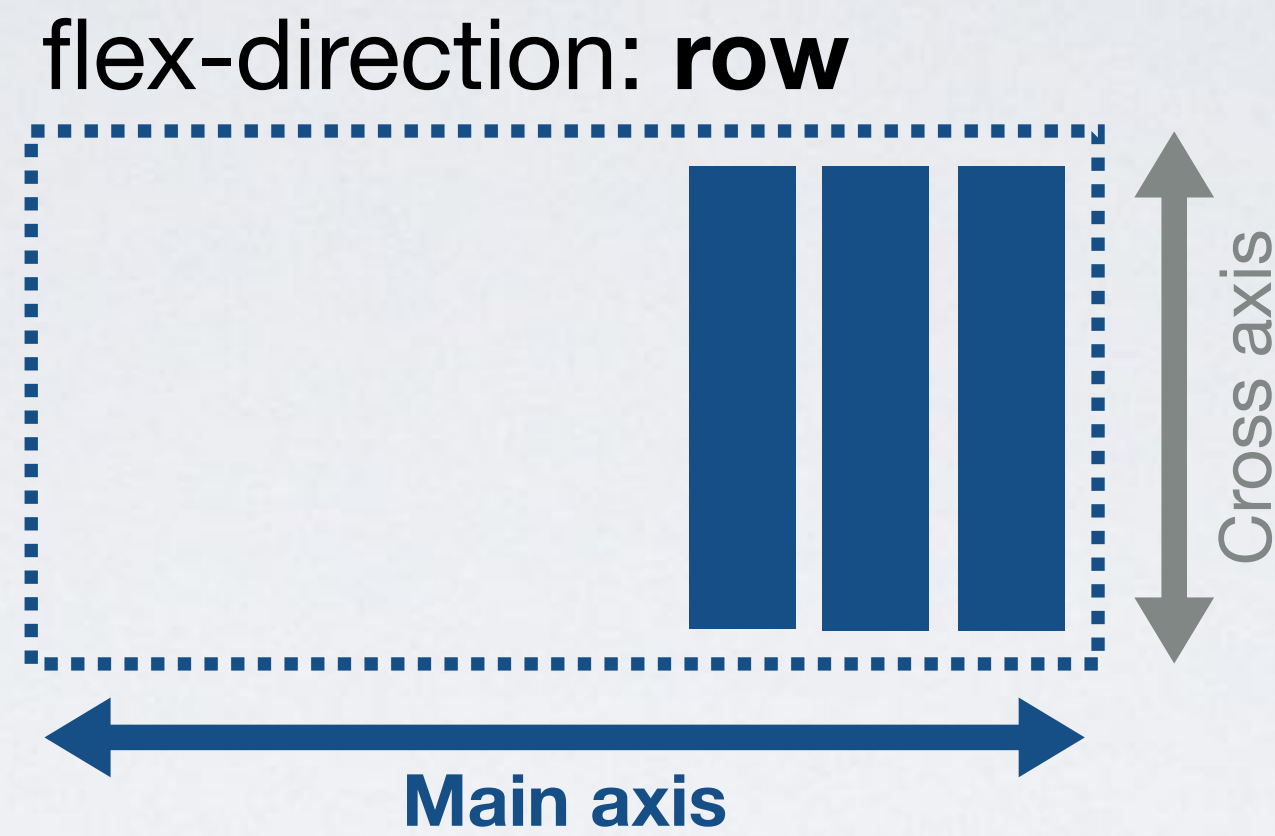
flex-direction: **column**



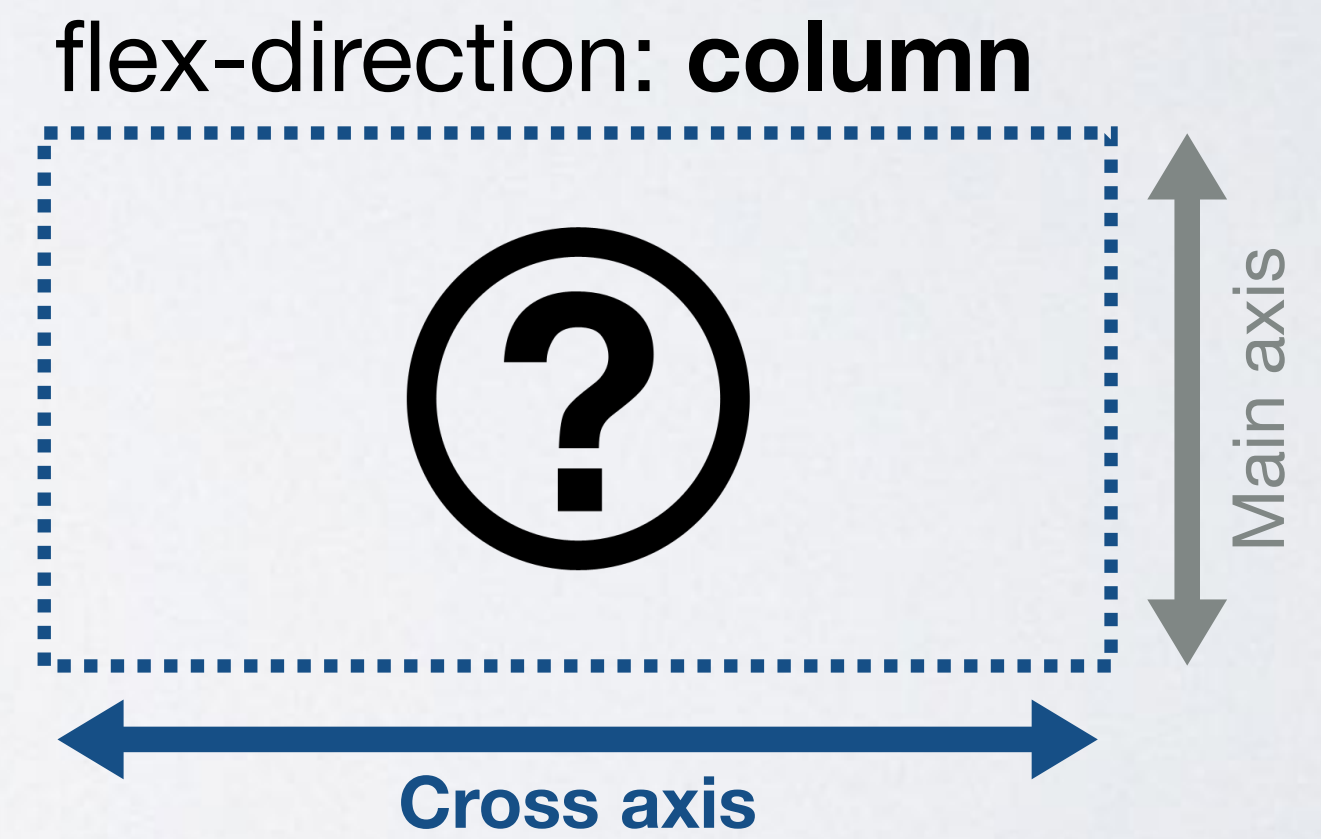
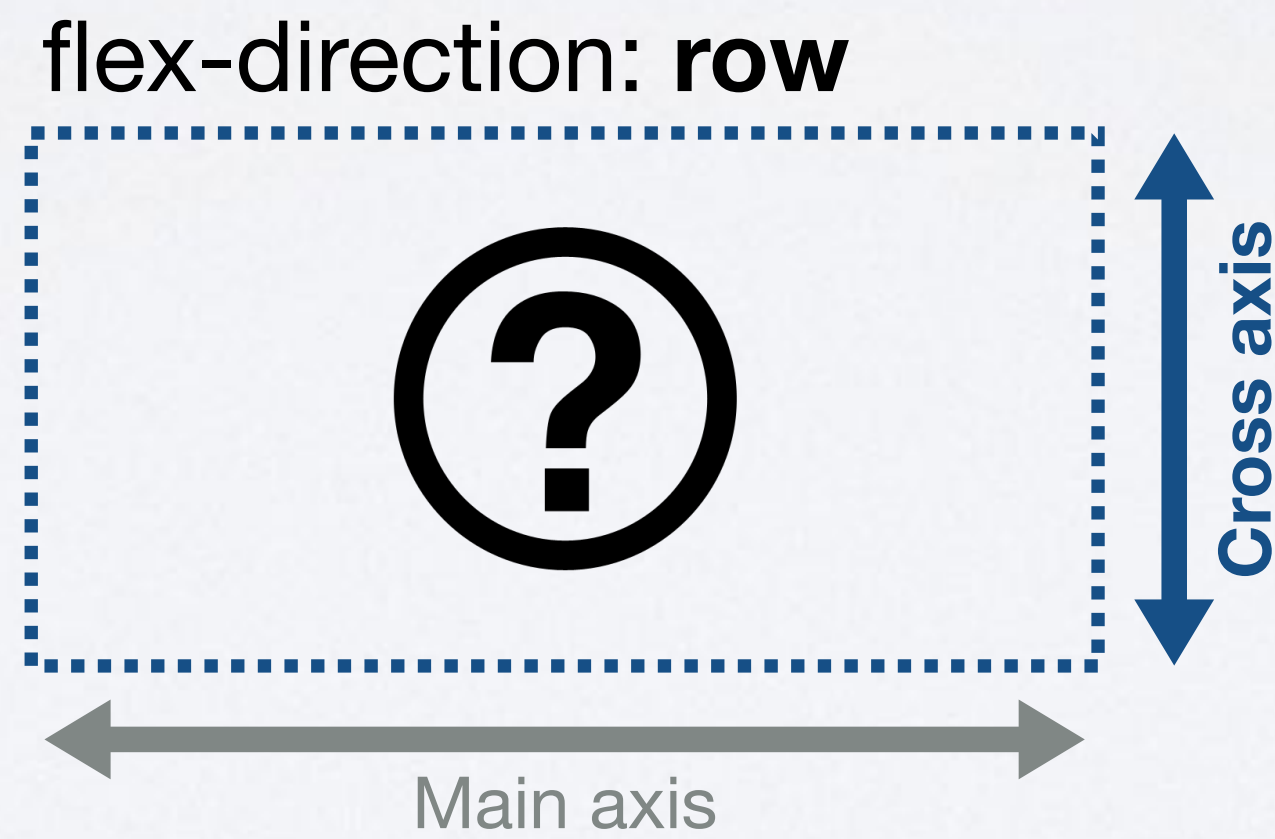
justify-content:
flex-end



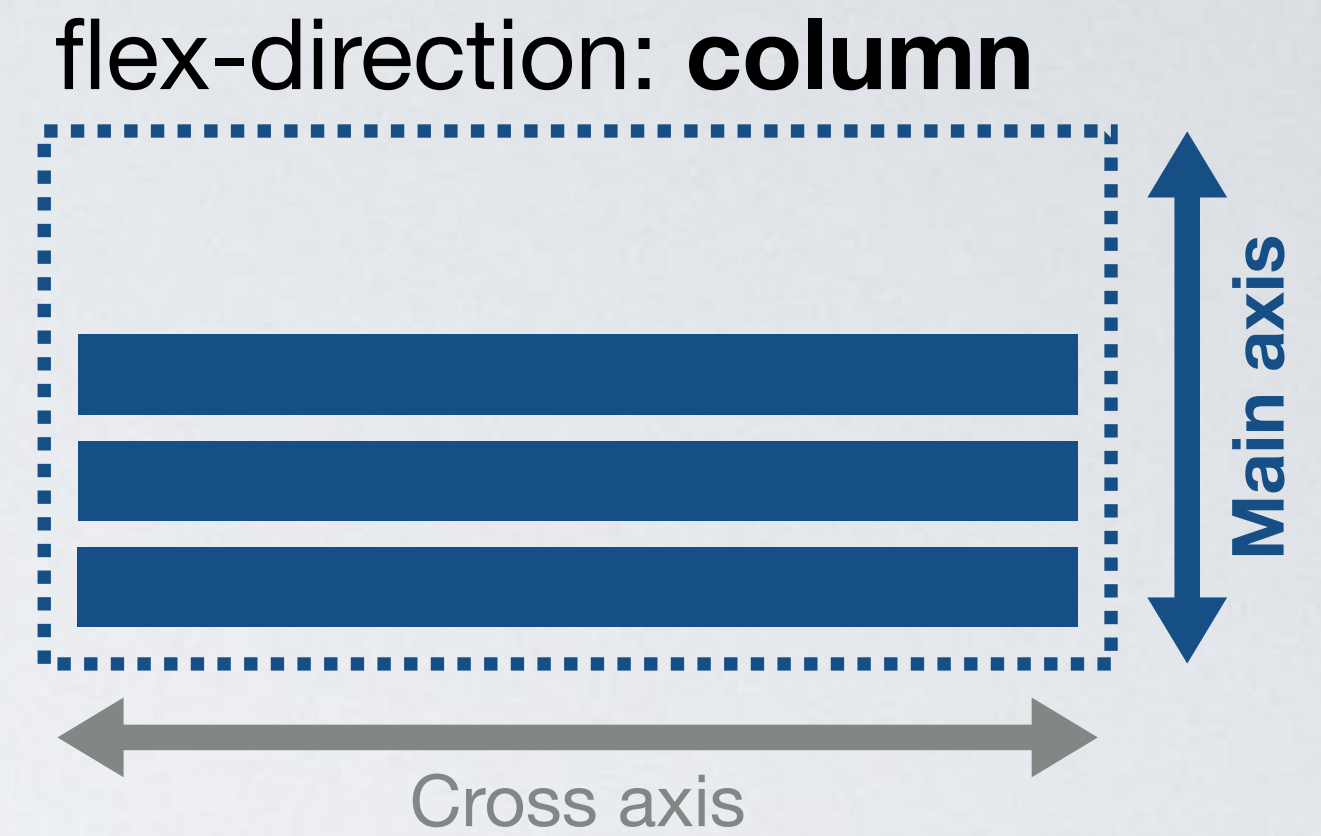
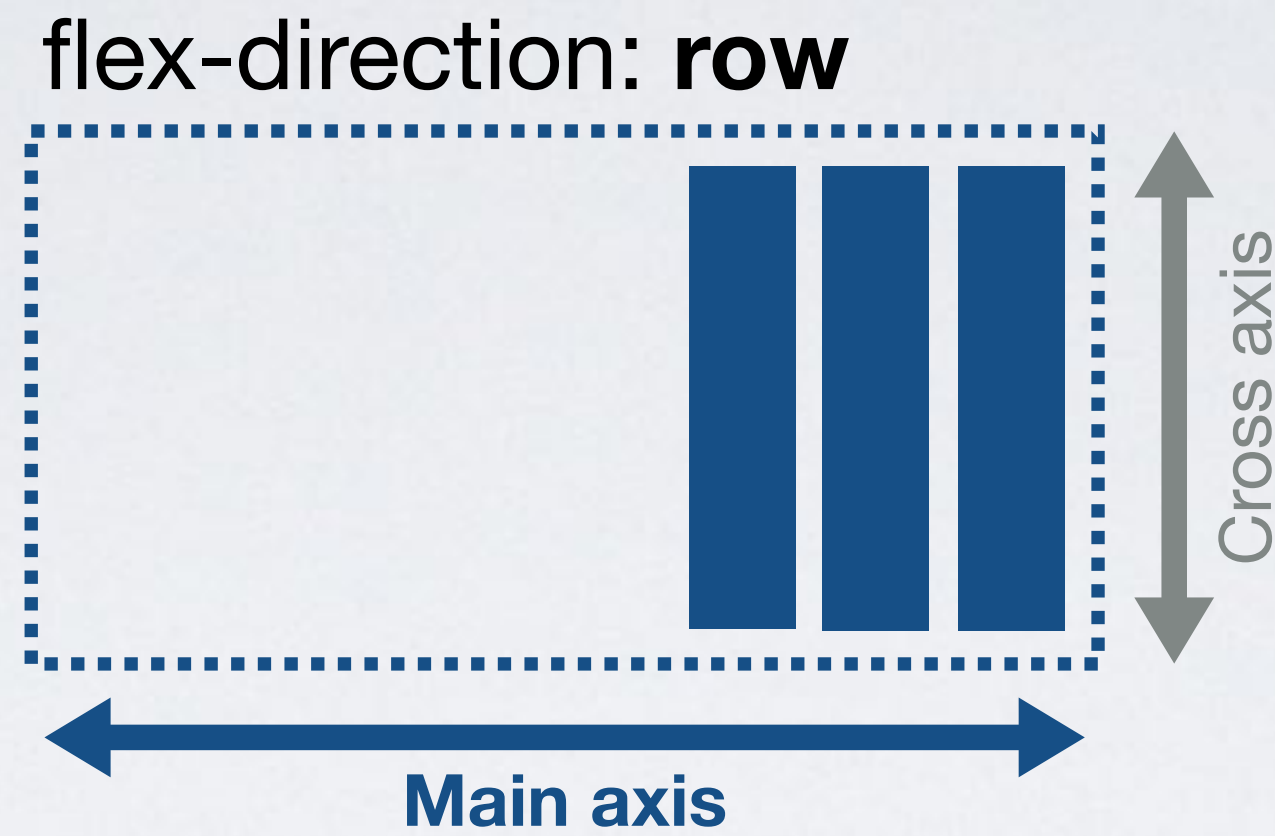
justify-content:
flex-end



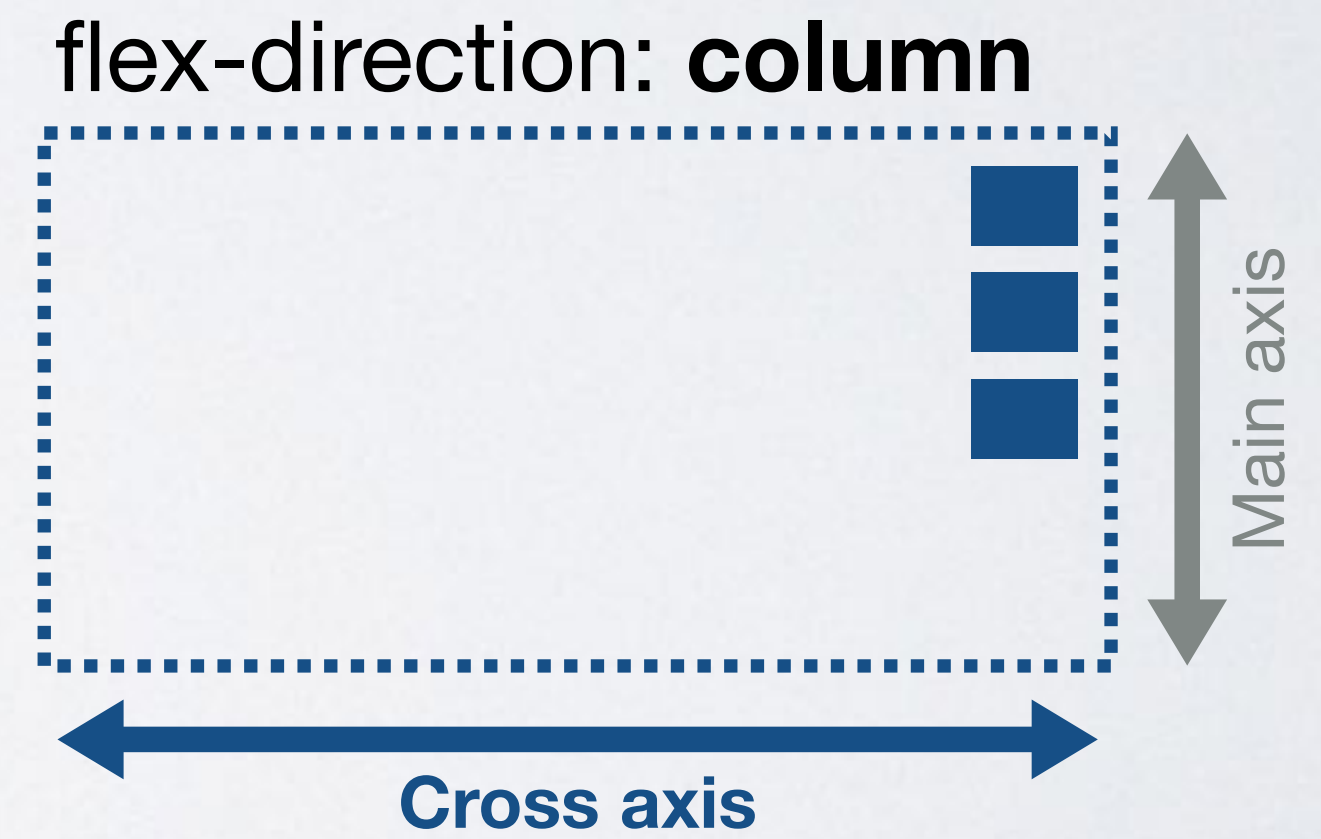
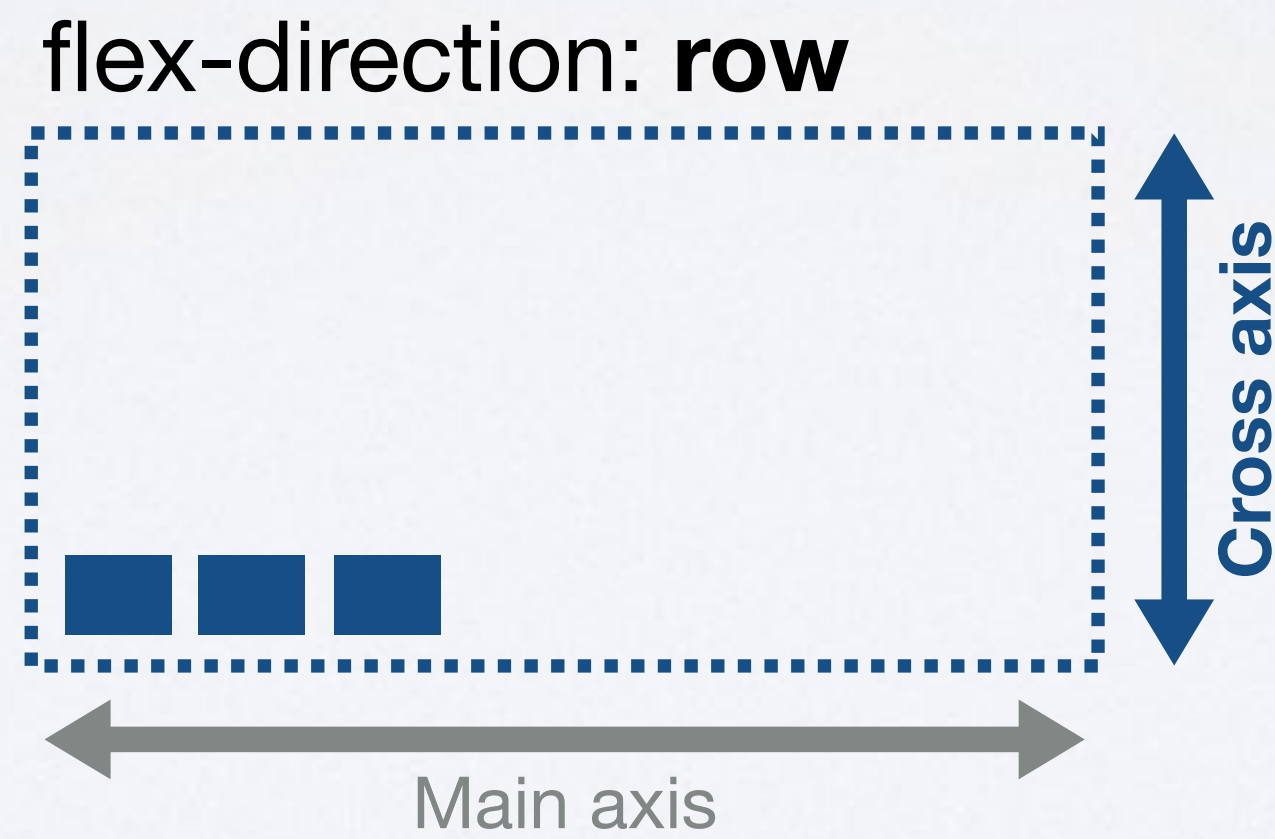
align-items:
flex-end



justify-content:
flex-end



align-items:
flex-end



justify-content

flex-start (default)

flex-end

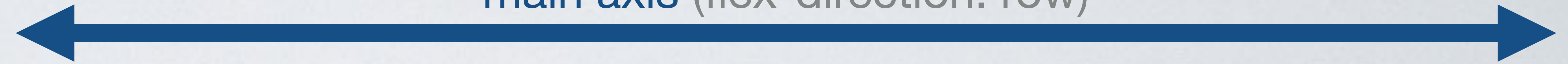
center

space-between

space-around

space-evenly

main axis (flex-direction: row)



`justify-content: flex-start`

Item1 Item2 Item3 Item4

`justify-content: flex-end`

Item1 Item2 Item3 Item4

`justify-content: center`

Item1 Item2 Item3 Item4

`justify-content: space-between`

Item1 Item2 Item3 Item4

`justify-content: space-around`

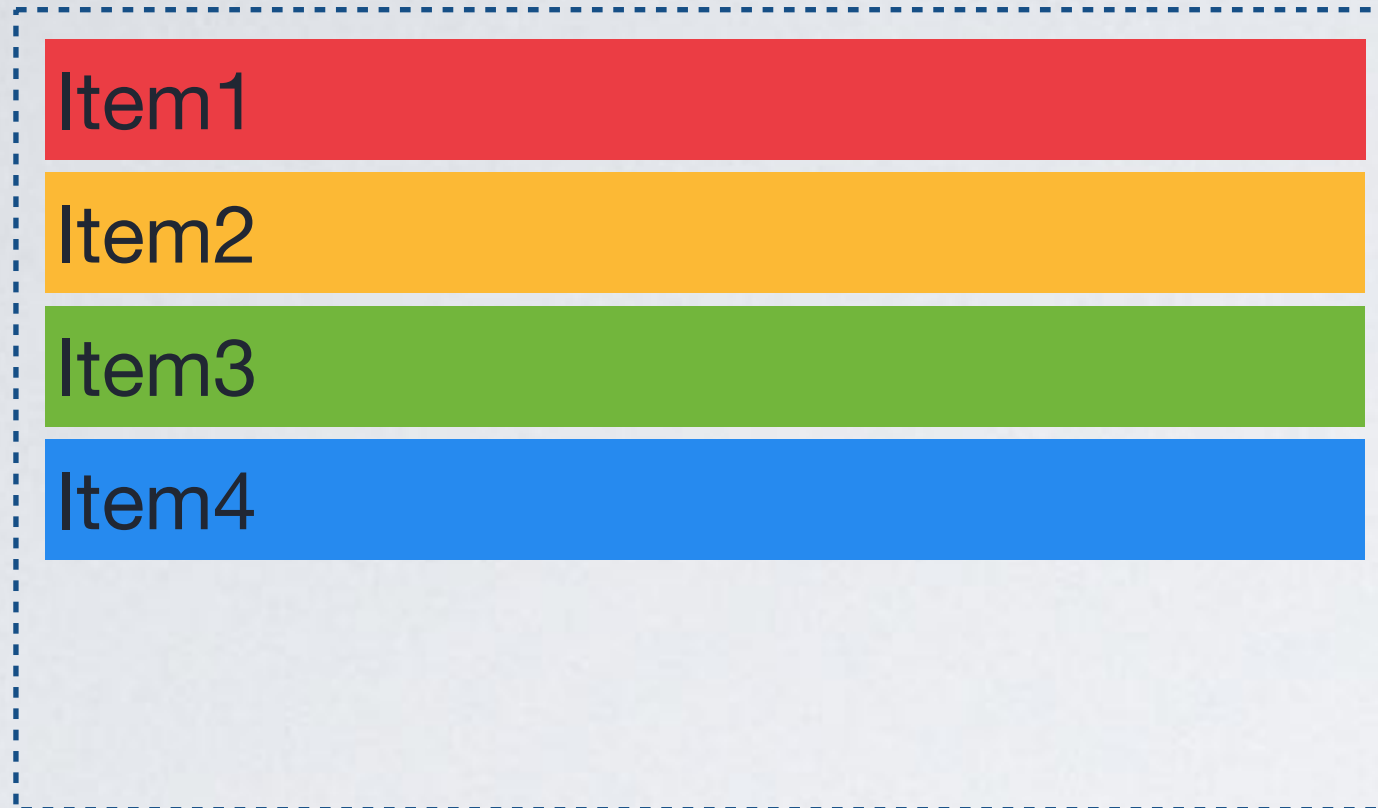
Item1 Item2 Item3 Item4

`justify-content: space-evenly`

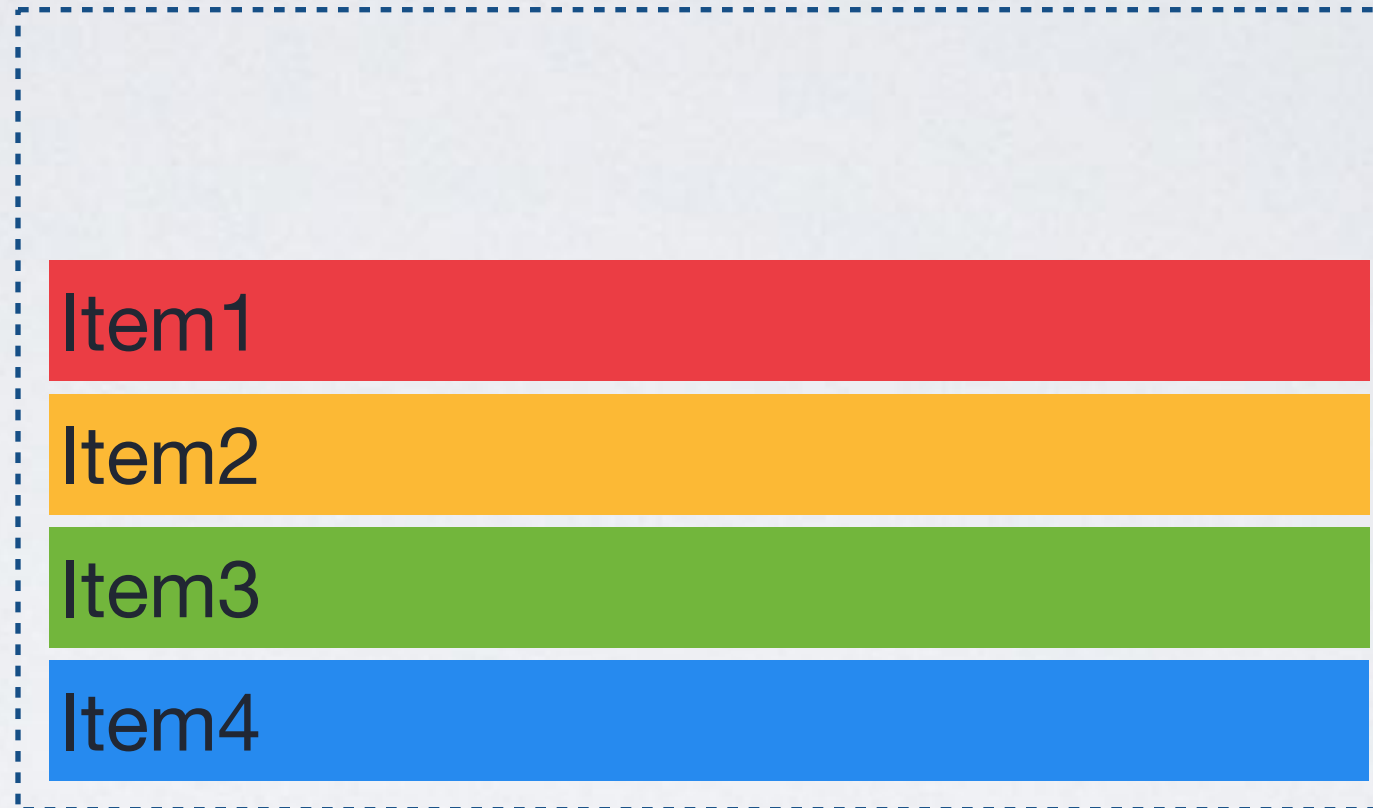
Item1 Item2 Item3 Item4



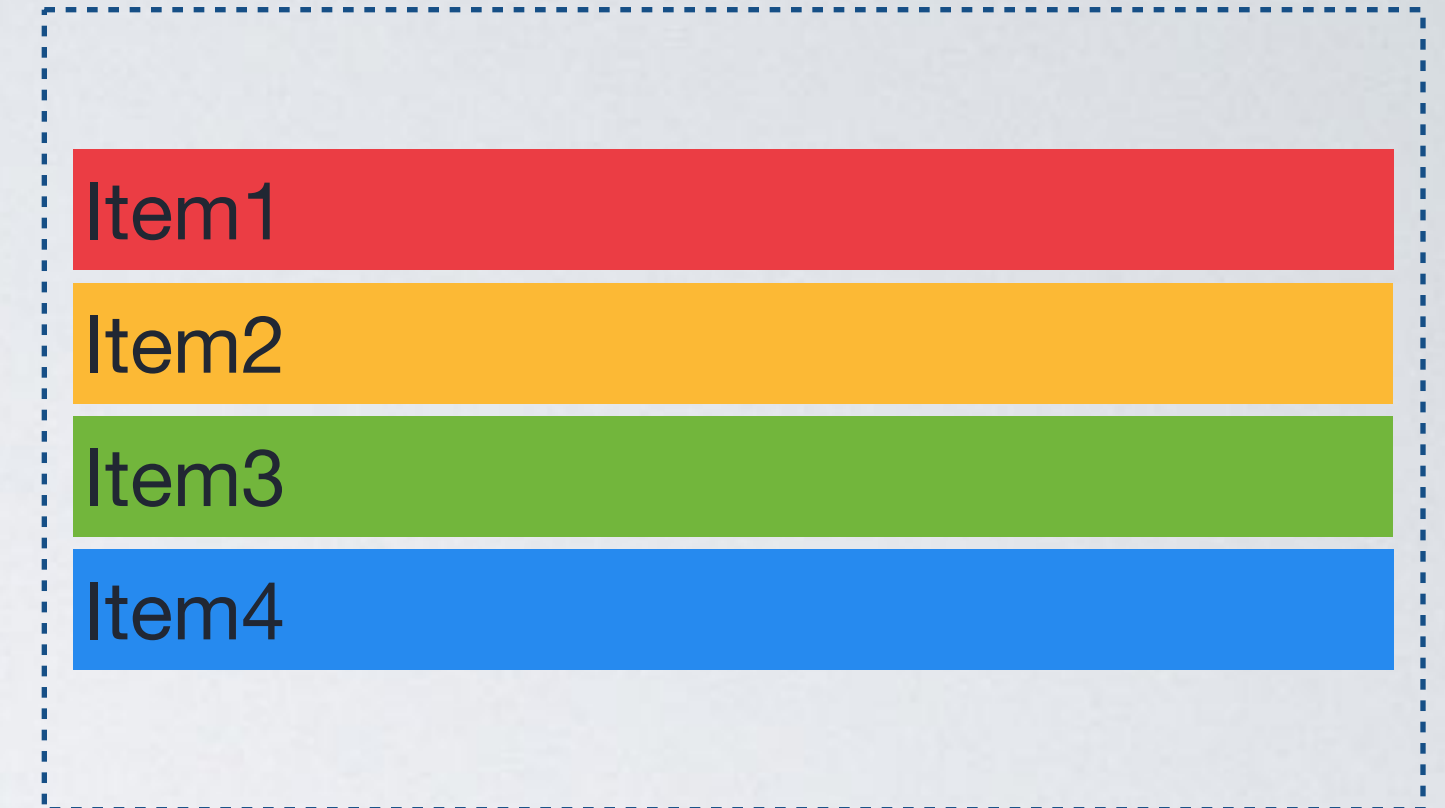
`justify-content: flex-start`



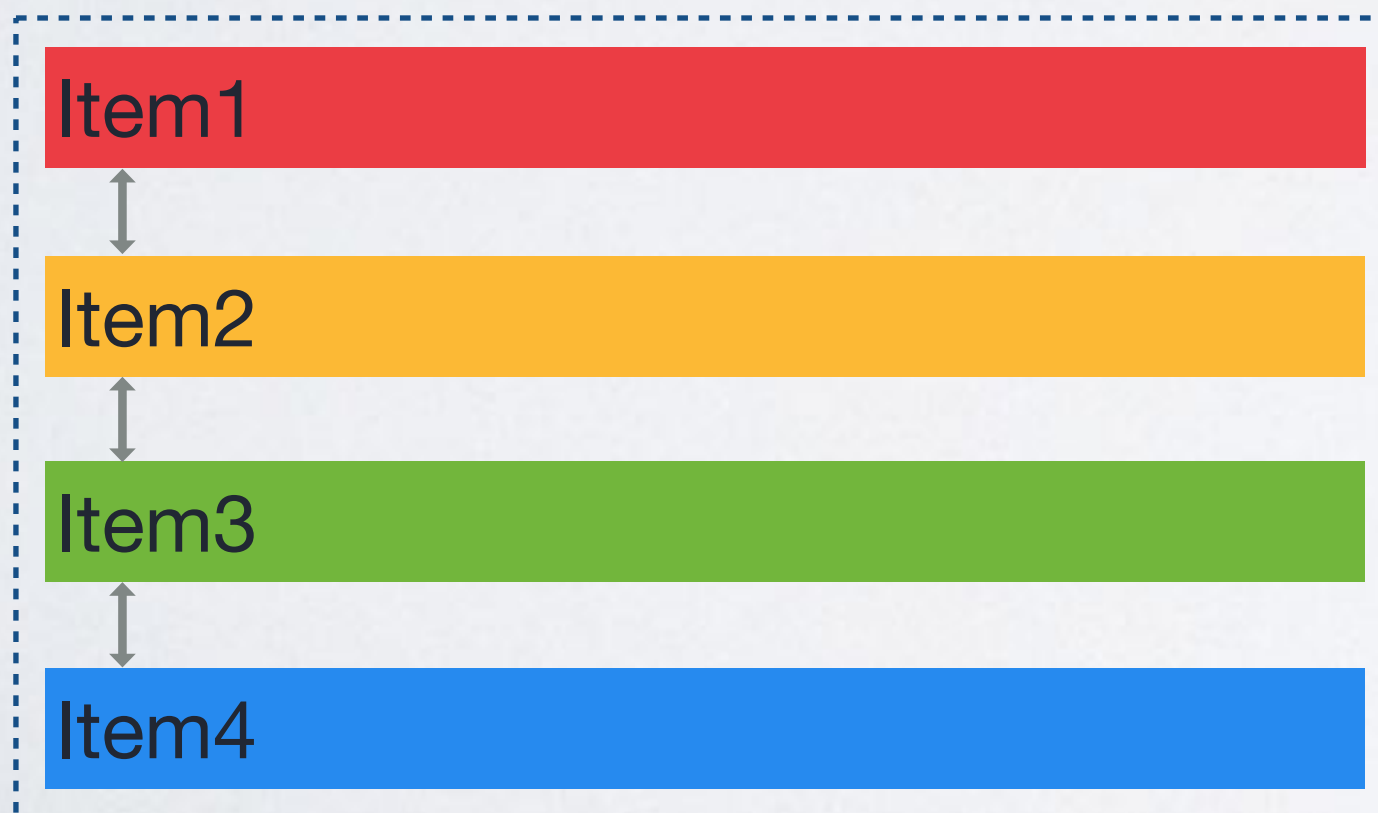
`justify-content: flex-end`



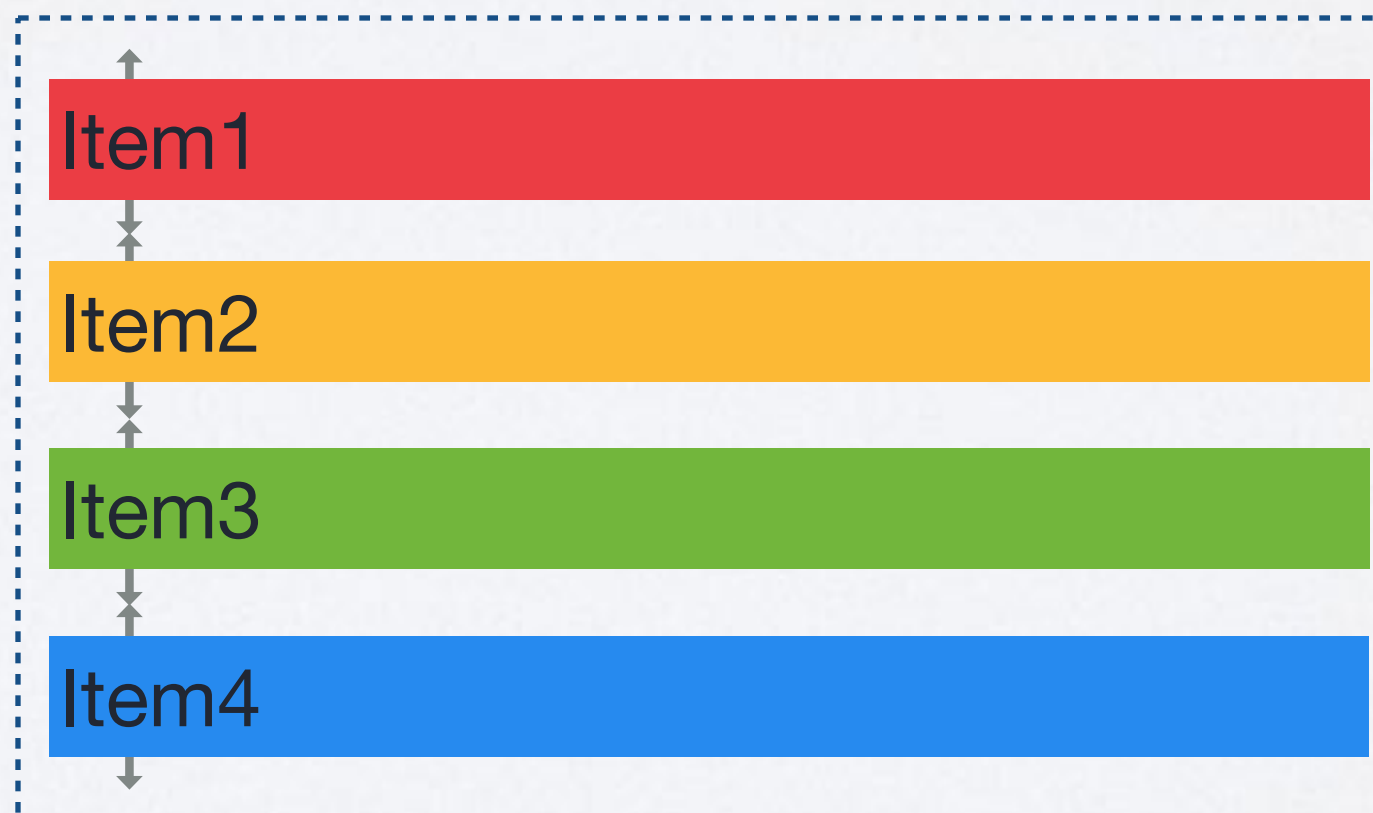
`justify-content: center`



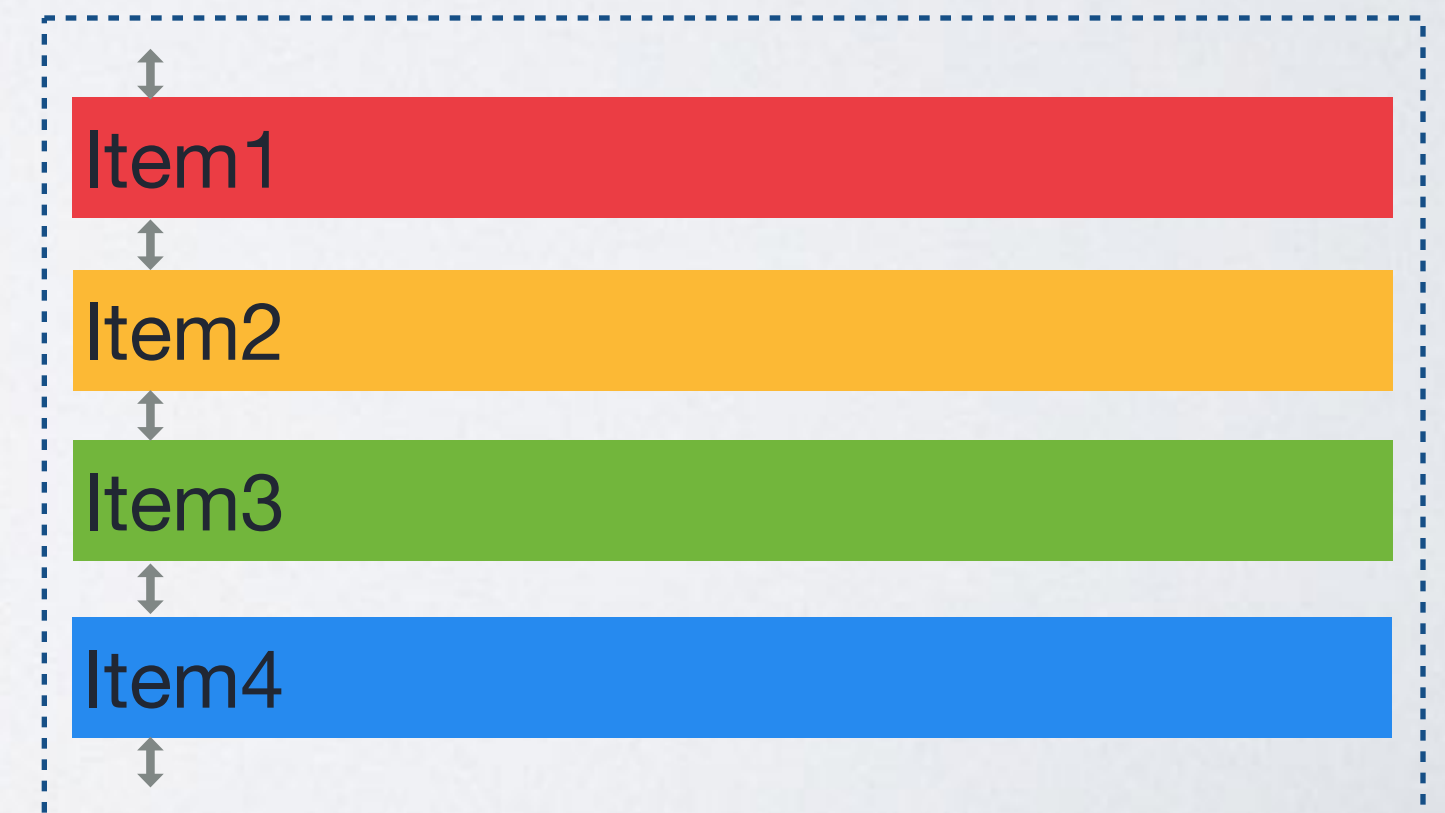
`justify-content: space-between`



`justify-content: space-around`



`justify-content: space-evenly`



justify-content

flex-start (default)

flex-end

center

space-between

space-around

space-evenly

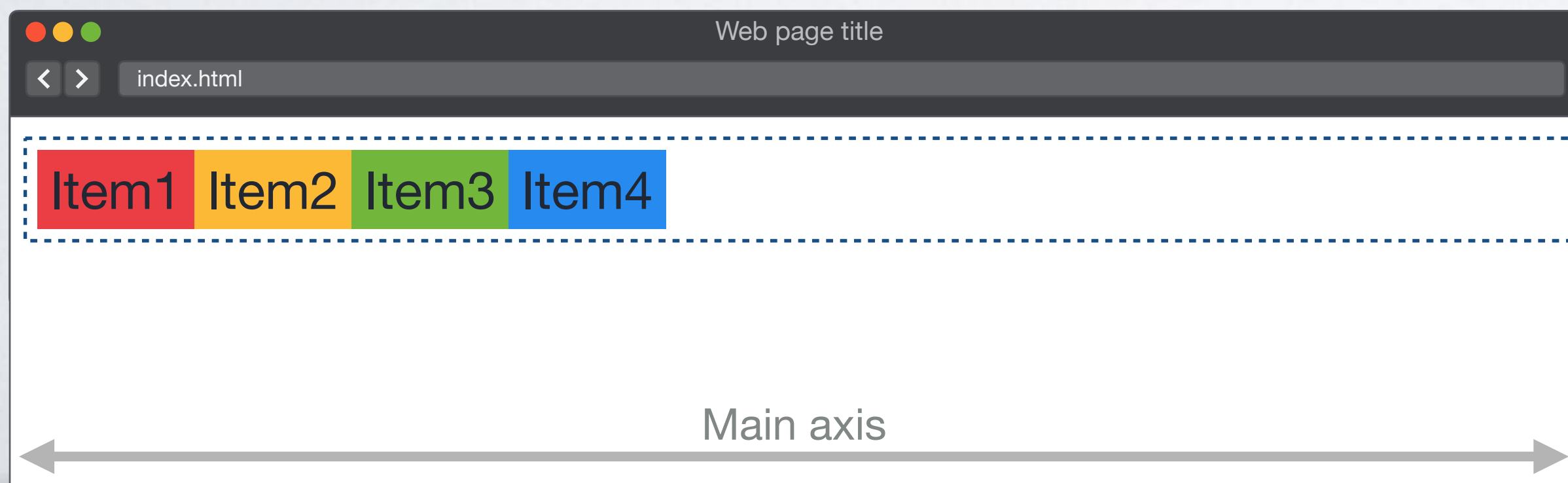
HTML

```
<body>
<div class="container">
  <div>Item1</div>
  <div>Item2</div>
  <div>Item3</div>
  <div>Item4</div>
</div>
</body>
```

CSS

```
.container {
  display: flex;
  justify-content: flex-start; /* Default */
}
```

Browser



justify-content

flex-start

flex-end

center

space-between

space-around

space-evenly

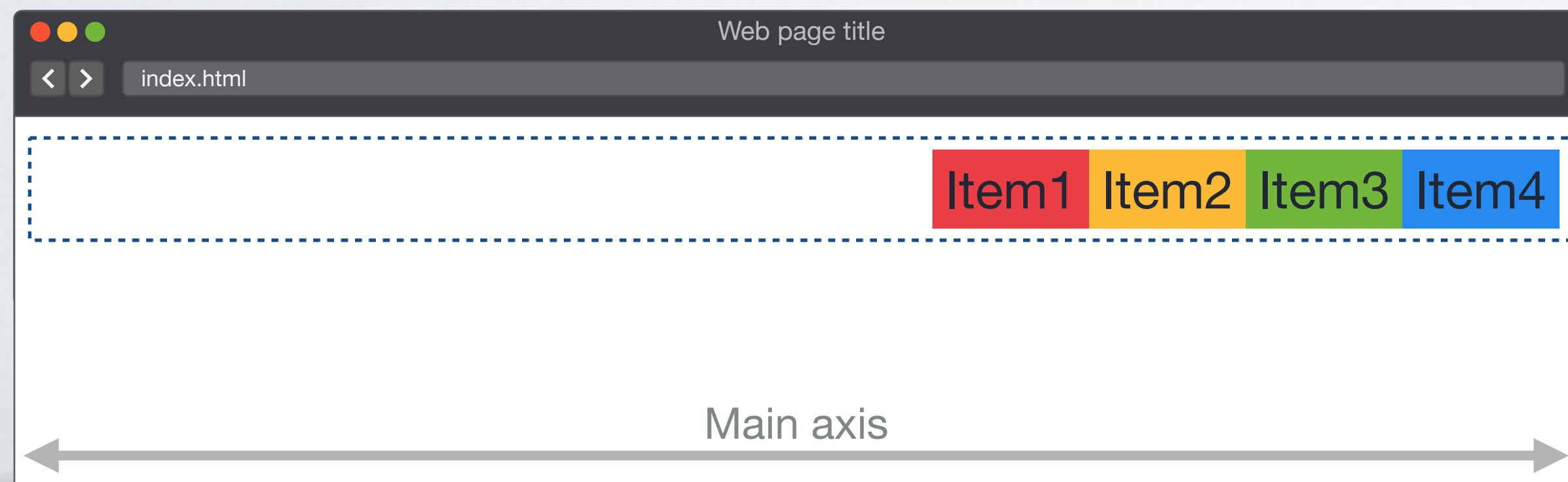
HTML

```
<body>
<div class="container">
  <div>Item1</div>
  <div>Item2</div>
  <div>Item3</div>
  <div>Item4</div>
</div>
</body>
```

CSS

```
.container {
  display: flex;
  justify-content: flex-end;
}
```

Browser



justify-content

flex-start

flex-end

center

space-between

space-around

space-evenly

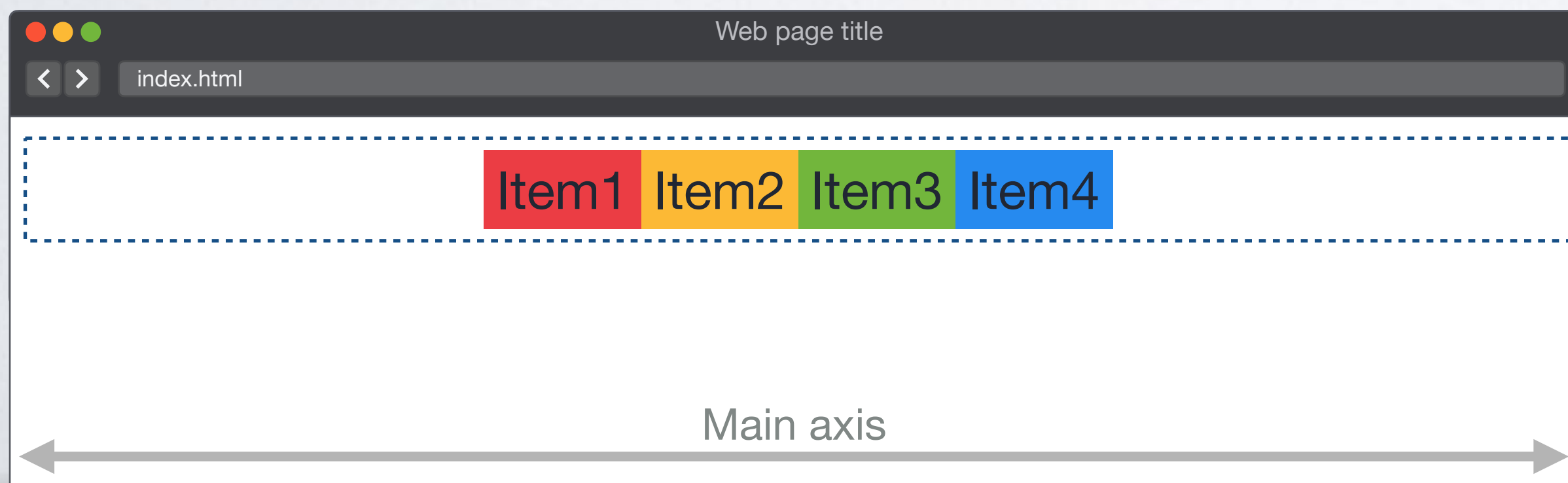
HTML

```
<body>
<div class="container">
  <div>Item1</div>
  <div>Item2</div>
  <div>Item3</div>
  <div>Item4</div>
</div>
</body>
```

CSS

```
.container {
  display: flex;
  justify-content: center;
}
```

Browser



justify-content

flex-start

flex-end

center

space-between

space-around

space-evenly

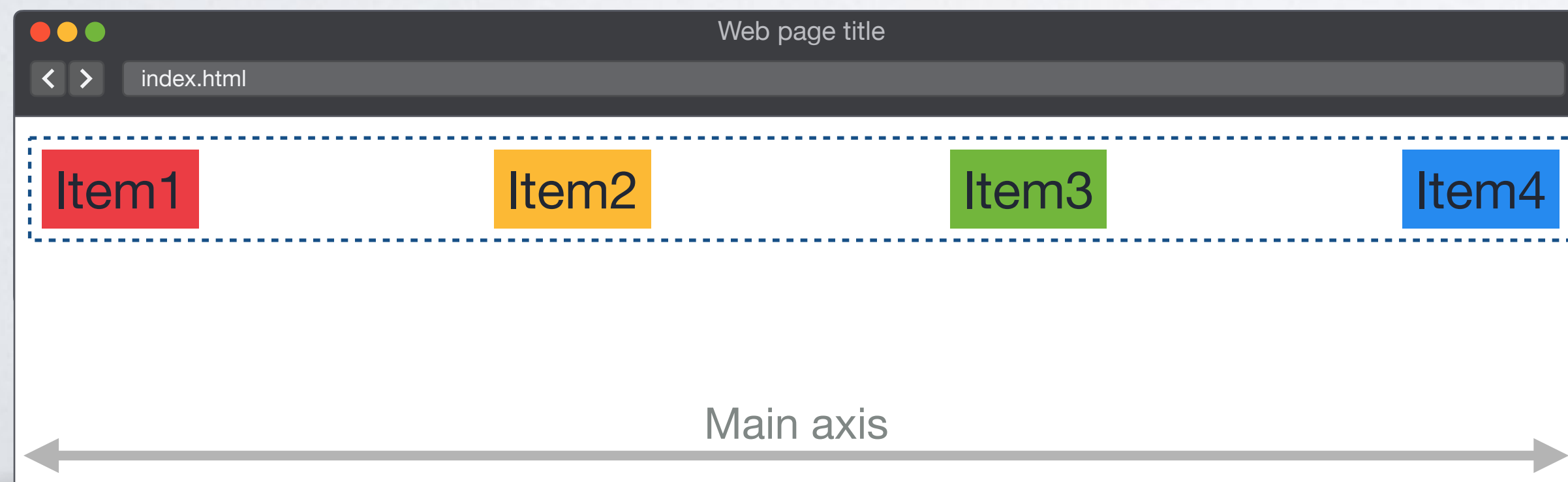
HTML

```
<body>
<div class="container">
  <div>Item1</div>
  <div>Item2</div>
  <div>Item3</div>
  <div>Item4</div>
</div>
</body>
```

CSS

```
.container {
  display: flex;
  justify-content: space-between;
}
```

Browser



justify-content

flex-start

flex-end

center

space-between

space-around

space-evenly

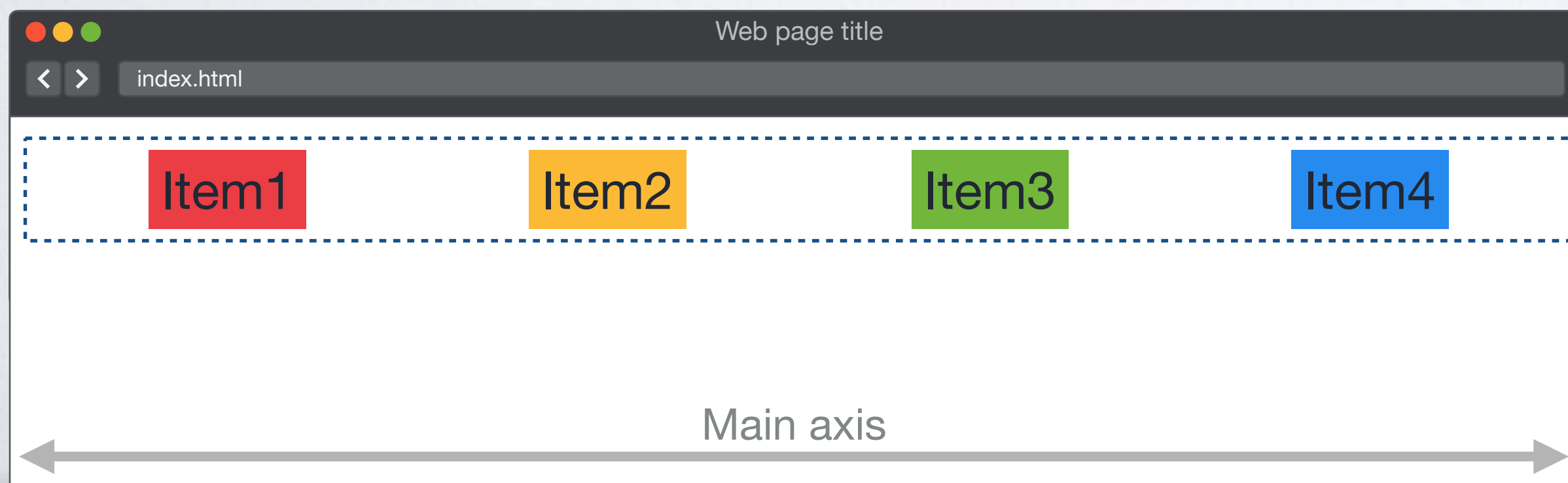
HTML

```
<body>
<div class="container">
  <div>Item1</div>
  <div>Item2</div>
  <div>Item3</div>
  <div>Item4</div>
</div>
</body>
```

CSS

```
.container {
  display: flex;
  justify-content: space-around;
}
```

Browser



justify-content

flex-start

flex-end

center

space-between

space-around

space-evenly

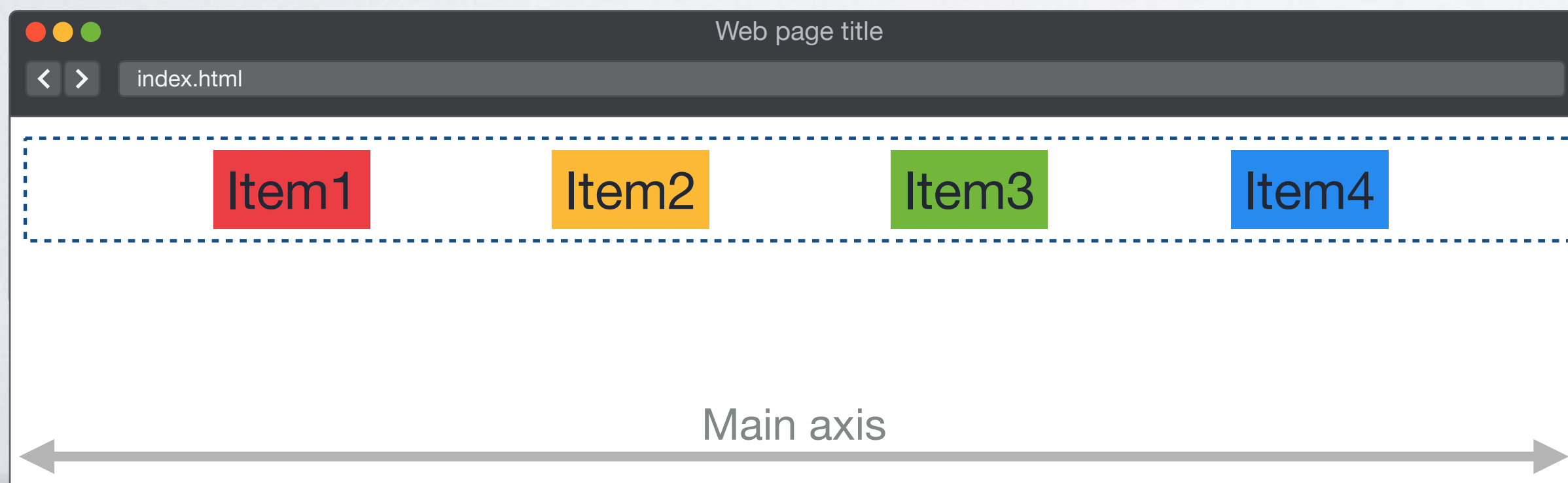
HTML

```
<body>
<div class="container">
  <div>Item1</div>
  <div>Item2</div>
  <div>Item3</div>
  <div>Item4</div>
</div>
</body>
```

CSS

```
.container {
  display: flex;
  justify-content: space-evenly;
}
```

Browser



justify-content

- ✓ flex-start (default)
- ✓ flex-end
- ✓ center
- ✓ space-between
- ✓ space-around
- ✓ space-evenly

JUSTIFY INDIVIDUAL ITEMS

~ ~ ~

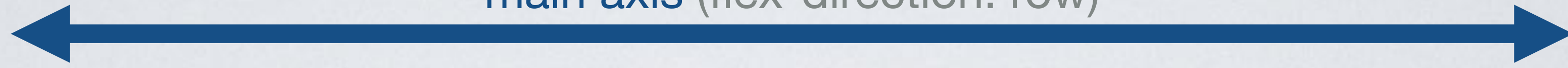
“Justify-self:

In flexbox layouts, this property is ignored.”



SOURCE: [The CSS justify-self property by MDN.](#)

main axis (flex-direction: row)



`justify-content: flex-start`



`margin-left: auto`

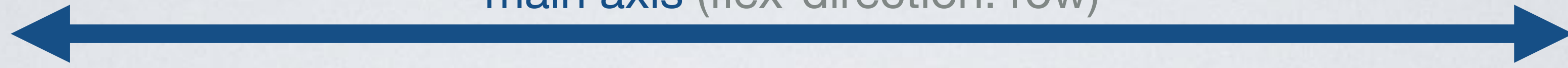
=

`justify-content: flex-start`



`margin-right: auto`

main axis (flex-direction: row)



`justify-content: flex-end`



`margin-right: auto`

=

`justify-content: flex-end`

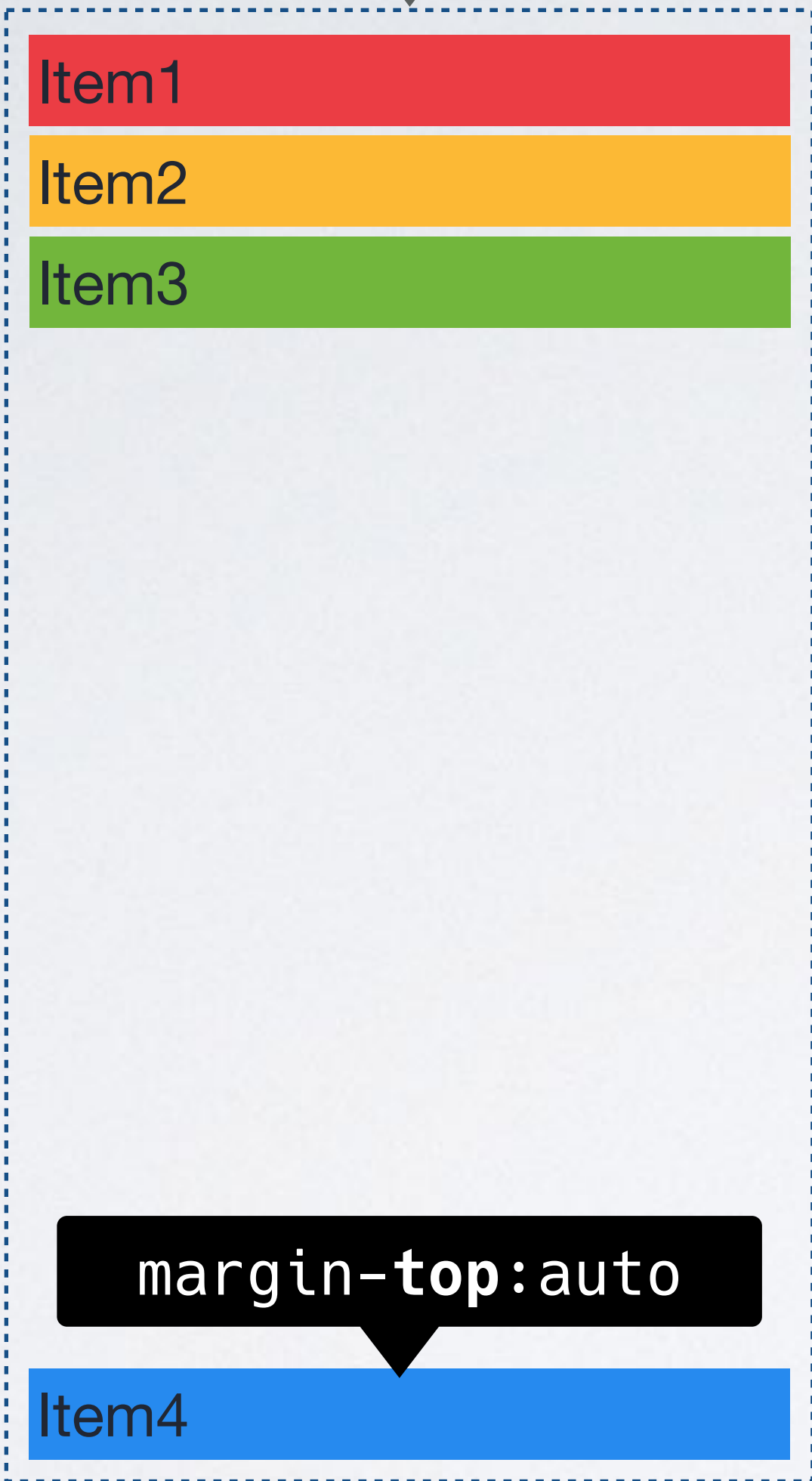


`margin-left: auto`



main axis (flex-direction: column)

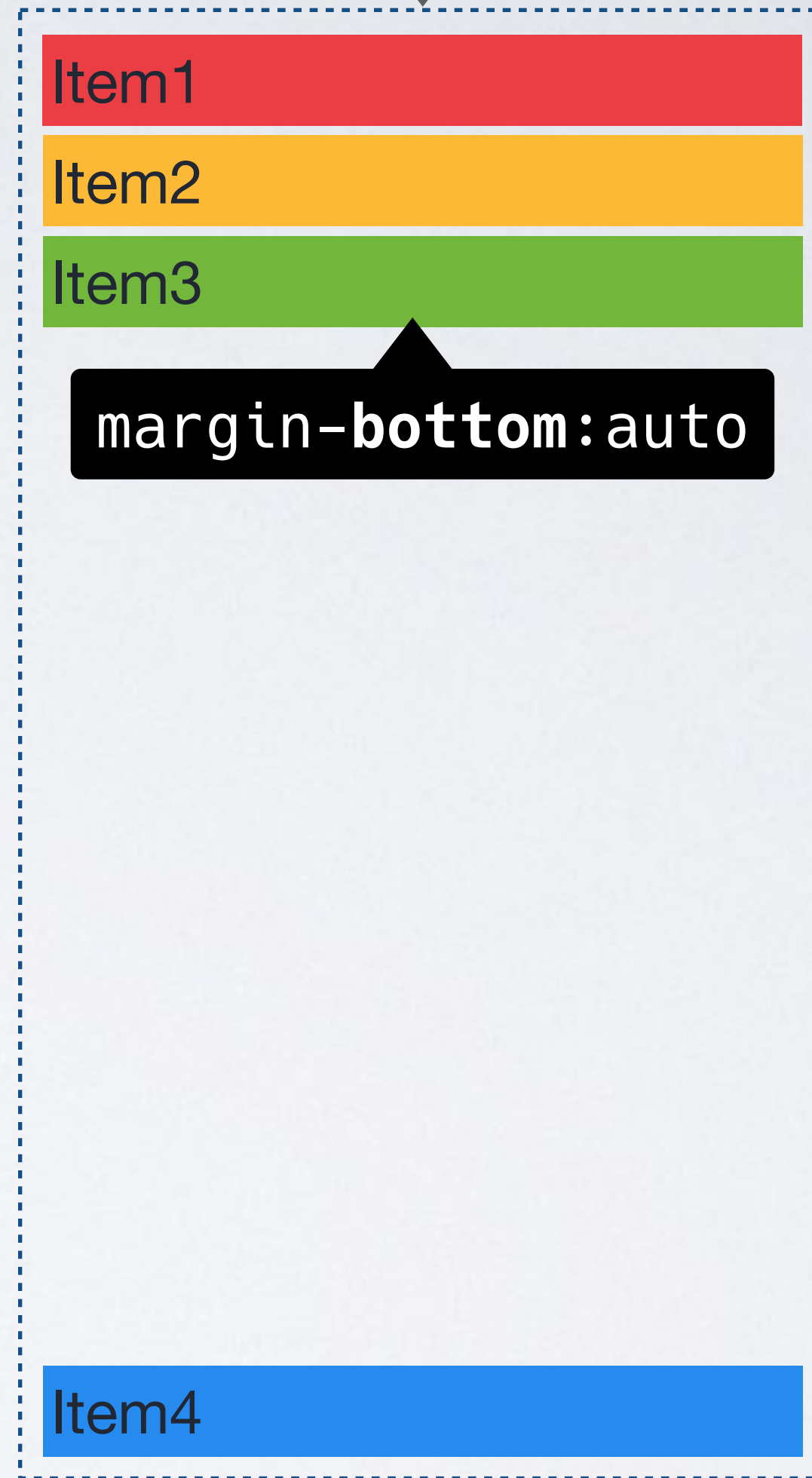
`justify-content: flex-start`



`margin-top: auto`

=

`justify-content: flex-start`



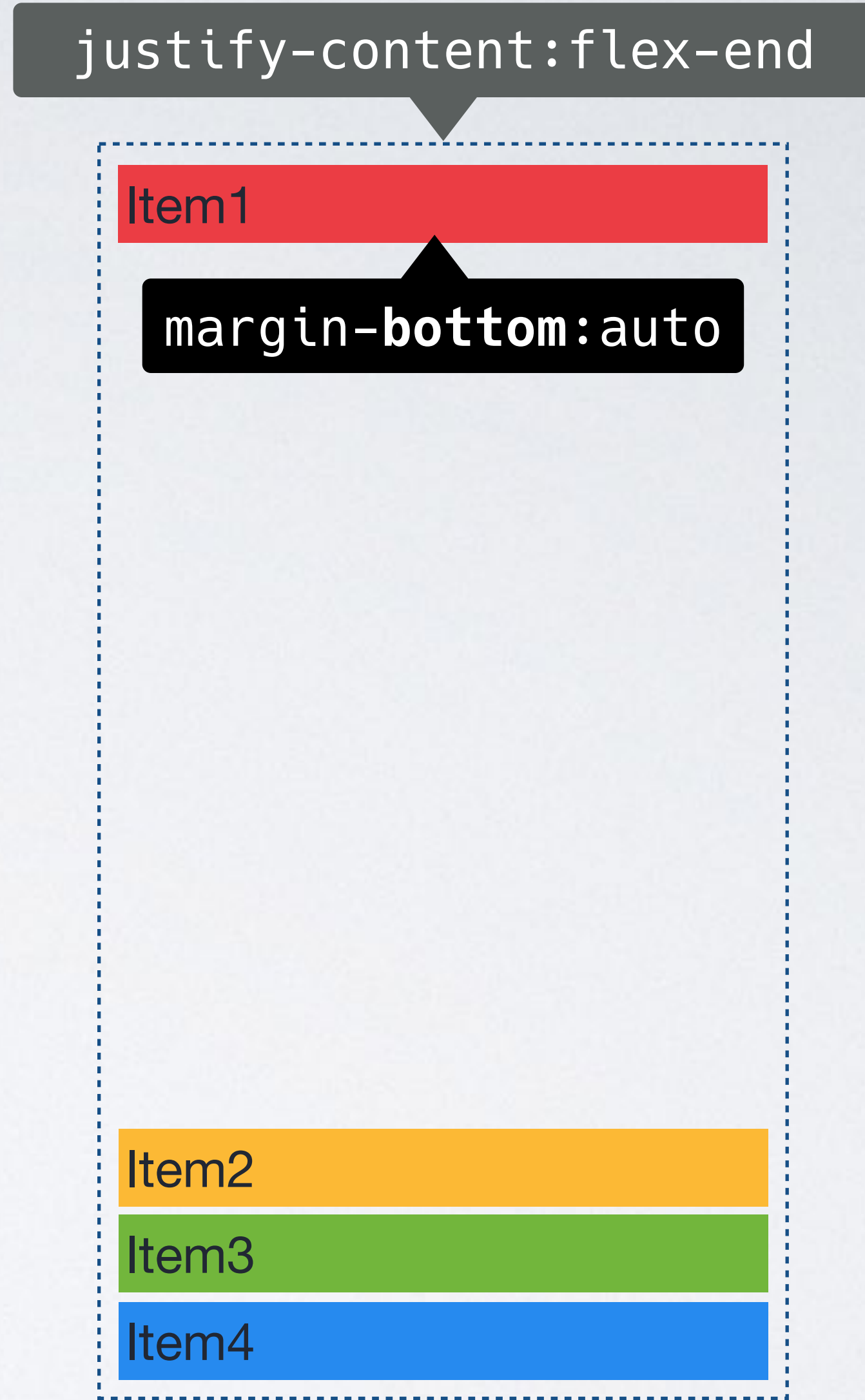
`margin-bottom: auto`



main axis (flex-direction: column)



=



CSS

FLEXBOX & CSS GRID

FLEXBOX

Justify



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