

COMP 1017

Flexbox Tricks

So far, we've learned two properties for **flexbox**.

Both of them belong on the
flex container.

The flex container is the
direct parent of everything that
you want to arrange side-by-side.

The first property we learned
designates a flex container.

```
ul.navigation {  
    display: flex;  
}
```

```
/* This creates a flex container. */
```

The second property we learned allows a single flex container to have multiple rows.

```
ul.navigation {  
    display: flex;  
    flex-wrap: wrap;  
}
```

```
/* This enables multiple rows. */
```

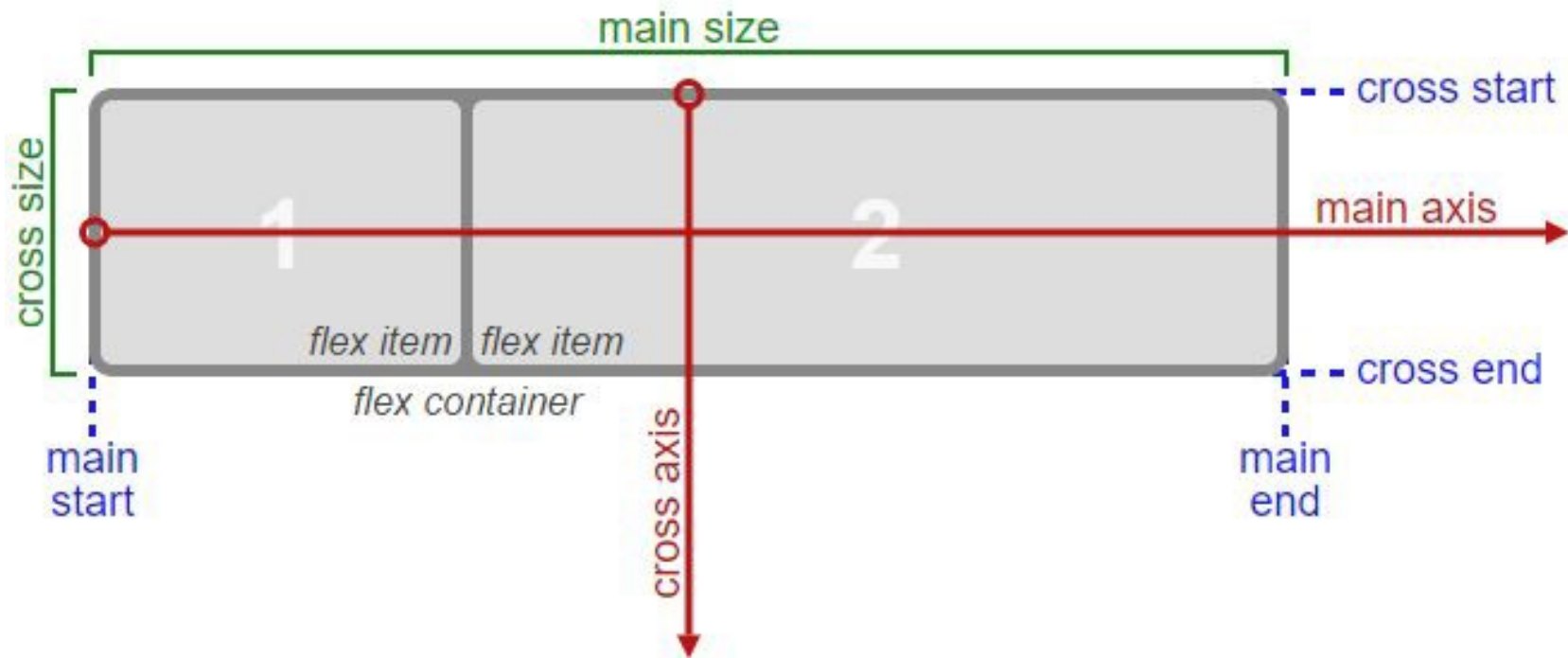

Let's learn a few more.

Centering Things

... but first, let's go over some terminology.

In a flex container, the **main axis** runs horizontally (left to right).

The **cross axis** runs vertically
(top to bottom).



We can **centre flex items** both vertically and horizontally by changing how they arrange themselves inside a flex container.

```
main header {  
    display: flex;  
    justify-content: center;  
    align-items: center;  
}
```


`justify-content` changes how flex items arrange themselves horizontally.

flex-start



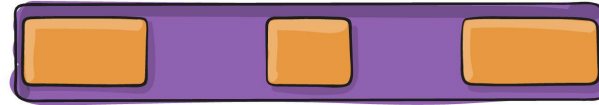
flex-end



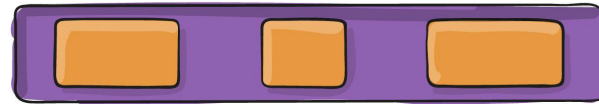
center



space-between



space-around

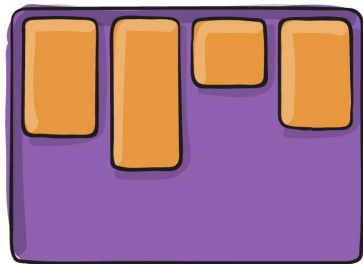


space-evenly

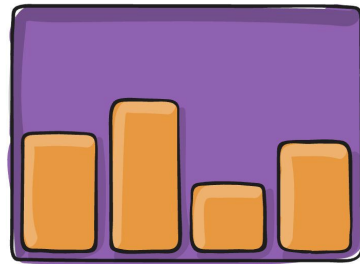


Likewise, `align-items` changes how flex items arrange themselves vertically.

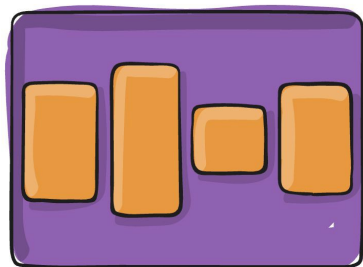
flex-start



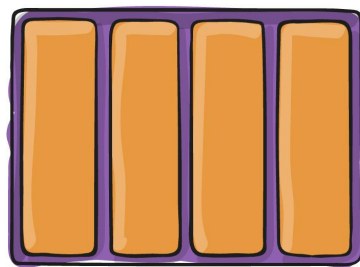
flex-end



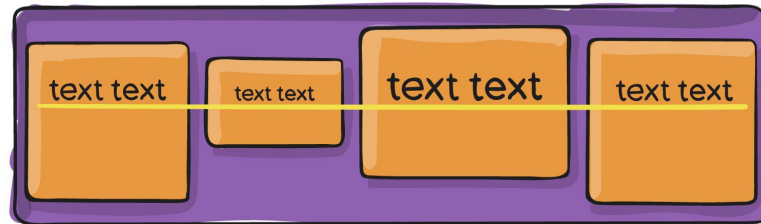
center



stretch



baseline



This centering trick could be used
for a particular element in
Assignment 3...



‘ello, Echeveria.

Flex-Grow

So far, we've been using **absolute measurements** in this course.

This means that, no matter where our website is displayed, all of our elements will always be the same size.

However, there's a very easy way to use **relative units** to resize specific flex items.

`flex-grow` allows us to decide how much room a flex item can occupy, relative to all of its siblings.

Unlike all of our other flexbox properties so far, `flex-grow` belongs on the flex item.

```
ul.navigation li {  
    flex-grow: 1;  
}
```

```
/* This says, 'every list item should take up one  
    portion of space.' */
```

Unlike all of our other flexbox properties so far, `flex-grow` belongs on the flex item.

Further Reading

Centering in CSS: A Complete Guide

<https://css-tricks.com/centering-css-complete-guide/>

A Complete Guide to Flexbox

<https://css-tricks.com/snippets/css/a-guide-to-flexbox/>