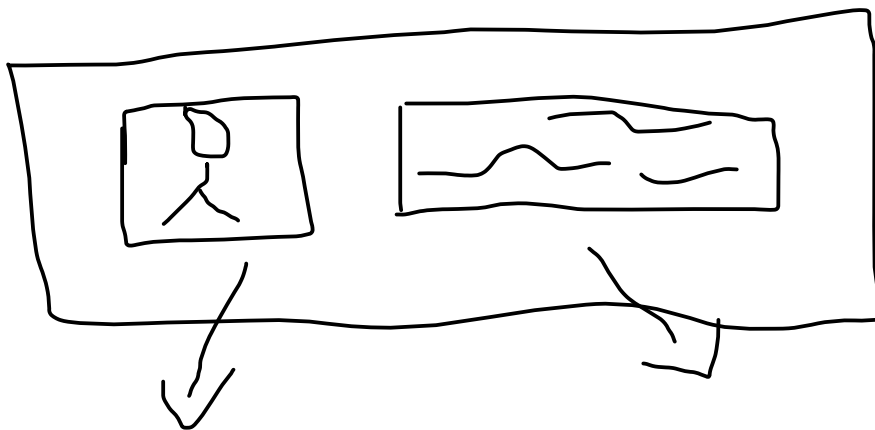


Flexbox

Before we look into the CSS flexbox, we will look into float properties.

The float property

The float property is simple. It just flows the element towards left/right.



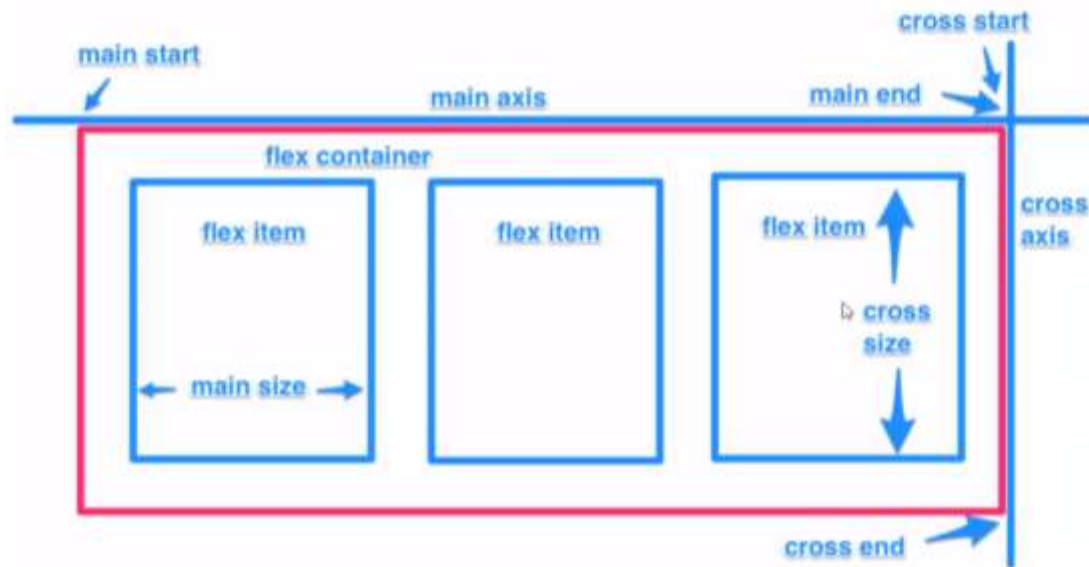
Float:left

float:right

The CSS Flexbox

It aims at providing a better way to layout, align and distribute space among items in a container.

```
.container{  
  Display:flex; //Initialise a flexbox  
}
```



Flex-direction property

Defines the direction towards which items are laid. Can be row, row-reverse, column, column-reverse.

Flex properties for parent(flex container)

Following are the properties for the flex parent

Flex-wrap: can be wrap, nowrap, wrap-reverse. Wrap items as needed with this property

Justify-content: Defines alignment along the main axis.

Align-items: Defines alignment along the cross axis.

Align-content: Aligns a flex container's lines with extra space in the cross axis.

Flex properties for the children(flex items)

Order: controls the order in which the items appear in the flex container.

Align-self: Allows default alignment to be overridden for the individual flex items.

Flex-grow: Defines the ability for a flex item to grow.

Flex-shrink: Specifies how much a flex item will shrink relative to the rest of the flex items.

For a better understanding of flex kindly play the following game:

<https://flexboxfroggy.com/>

We will be covering this in a bit more detail later in the course, and you can read about it here:

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

CSS Grid

The second method, which we will be covering in more detail later in the course, is displayed: grid;

```
.container {  
  display: grid;  
  grid-template-columns: 200px 200px;  
}  
.box {  
  width: 100px;  
  height: 100px;  
}
```

Like flexbox, the grid has many more options we can use, but the main one we need to know about is grid-template-columns. This will create columns in the width we specify.

In this example, we created two 200px wide columns (which will fit our two boxes easily). If we had another box, it would overflow onto the next line, into the first column.

We will cover how to use the grid properly later in the course, and when to use it.

Today's Challenge

Complete challenge 3 by using Flexbox.