

Flex-box

FSDI 102 - Intermediate HMTL & CSS

Samantha Jimenez, 2022

Flex-box

History

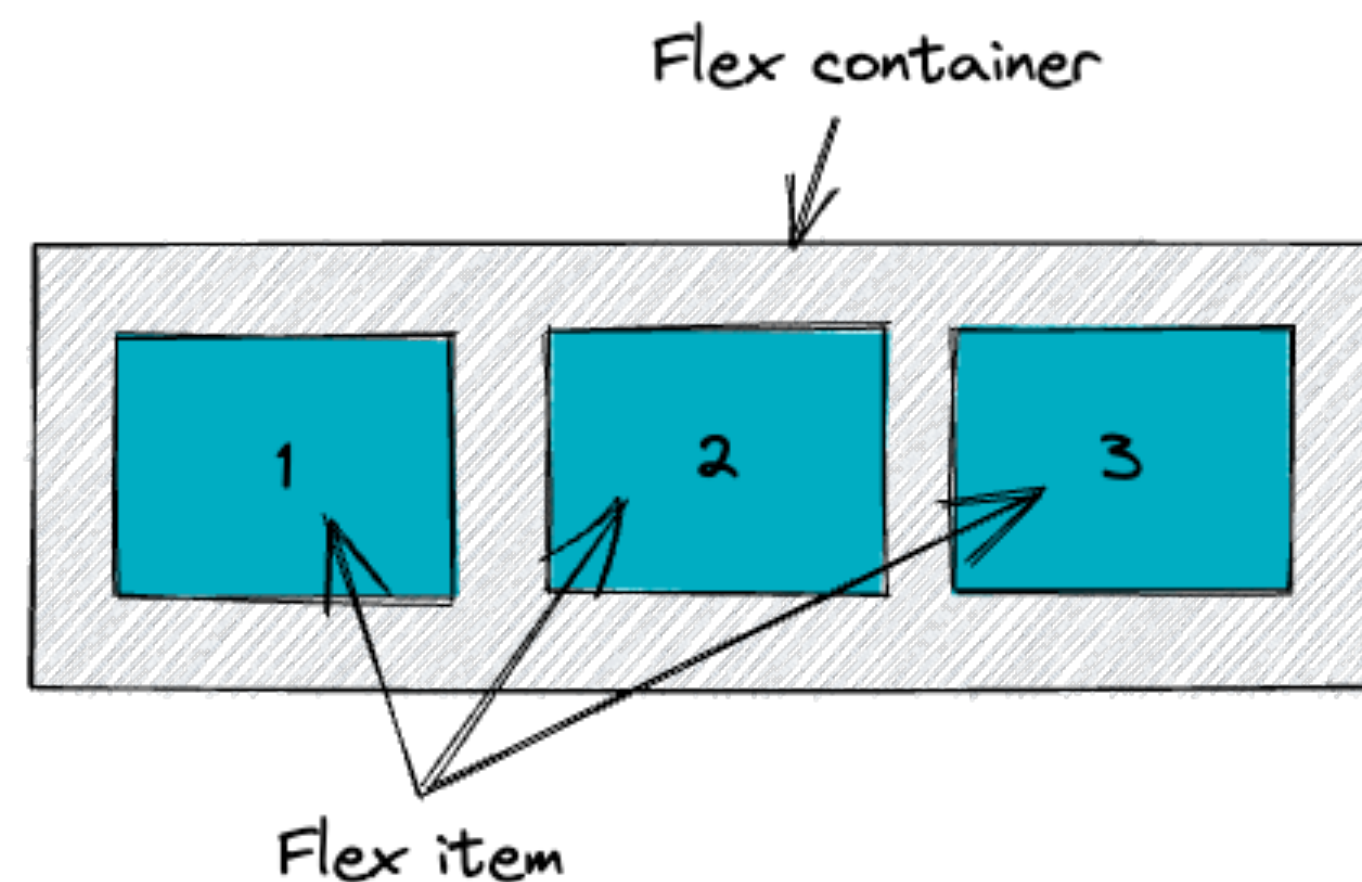
Before the Flex-box Layout module, there were four layout modes:

- Block, for sections in a webpage
- Inline, for text
- Table, for two-dimensional table data
- Positioned, for explicit position of an element

The Flexible Box Layout Module, makes it easier to design flexible responsive layout structure without using float or positioning.

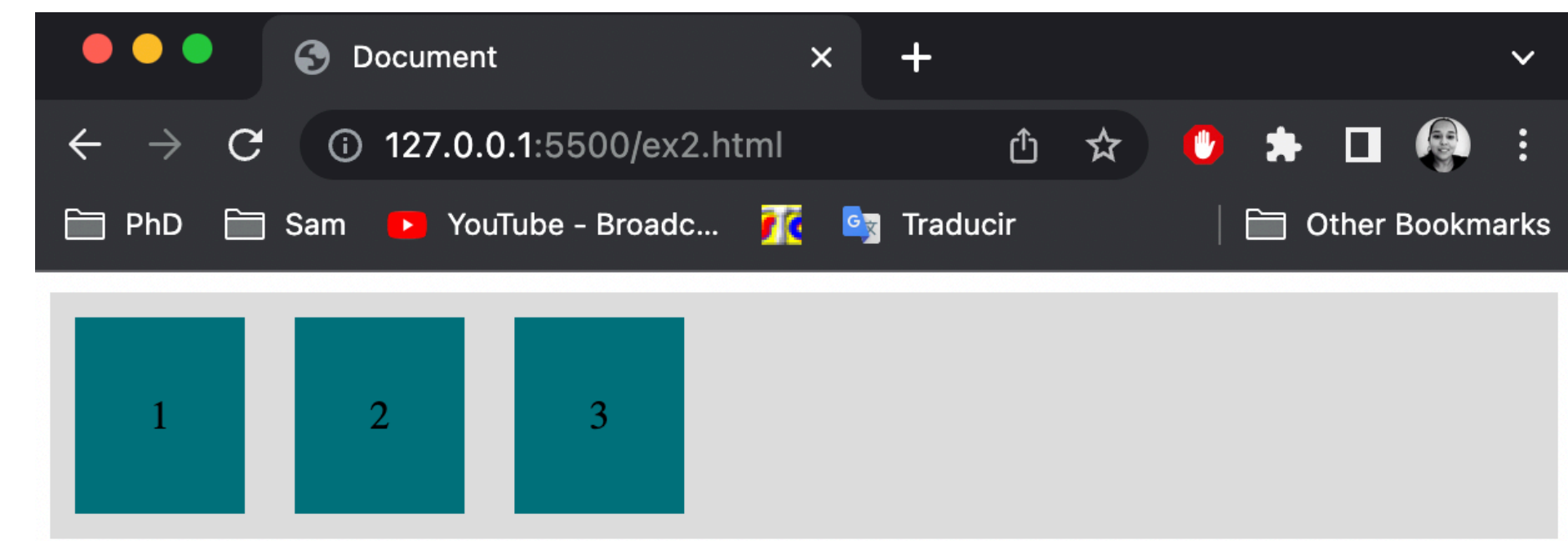
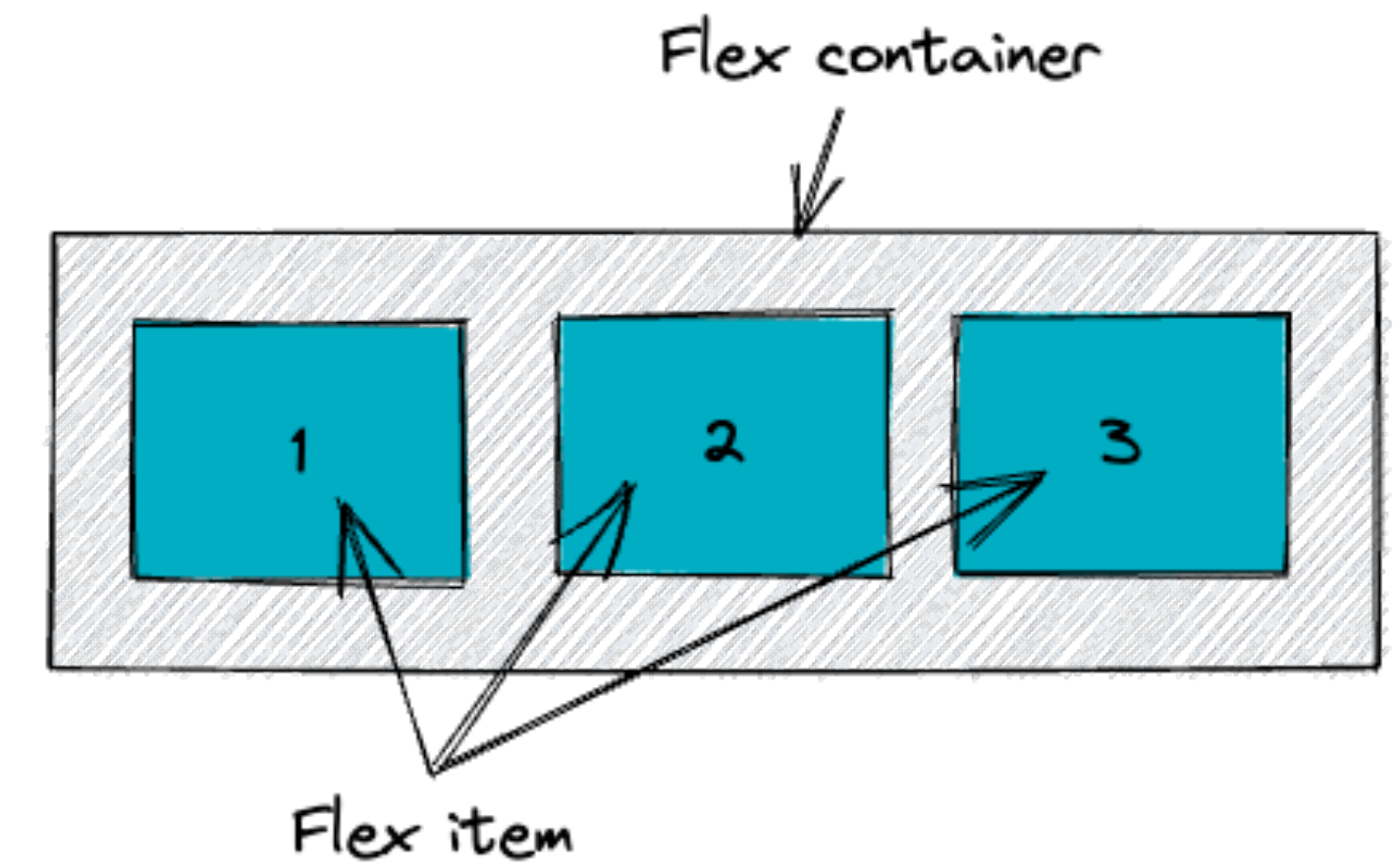
Flex-box

- To start using the Flexbox model, you need to first define a flex container (parent) and the flex items (children).
- The *display: flex;* is only apply to the first level of children.



Flex-box

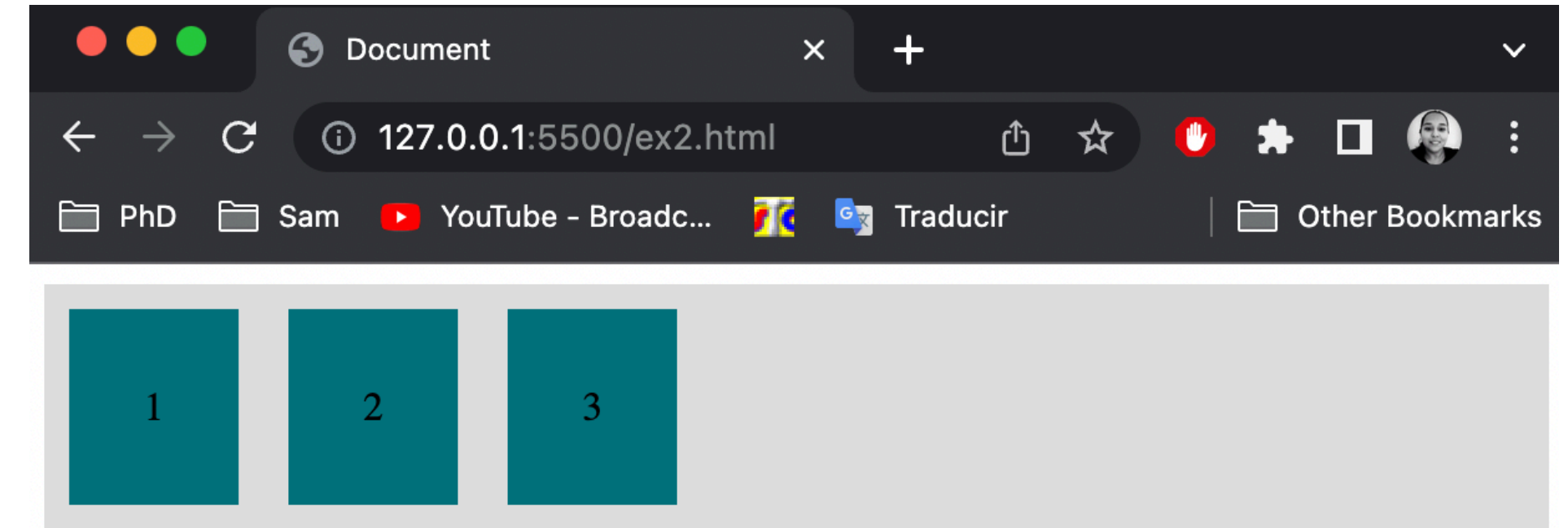
```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta http-equiv="X-UA-Compatible" content="IE=edge">
6      <meta name="viewport" content="width=device-width, initial-scale=1.0">
7      <title>Document</title>
8      <style>
9          .flex-container{
10              display: flex;
11              background-color: #dedede;
12          }
13          .flex-item{
14              background-color: rgb(1, 113, 123);
15              padding: 30px;
16              margin: 10px;
17              text-align: center;
18          }
19      </style>
20 </head>
21 <body>
22     <div class="flex-container">
23         <div class="flex-item">1</div>
24         <div class="flex-item">2</div>
25         <div class="flex-item">3</div>
26     </div>
27 </body>
28 </html>
```



Guided Exercise

Flex-box properties

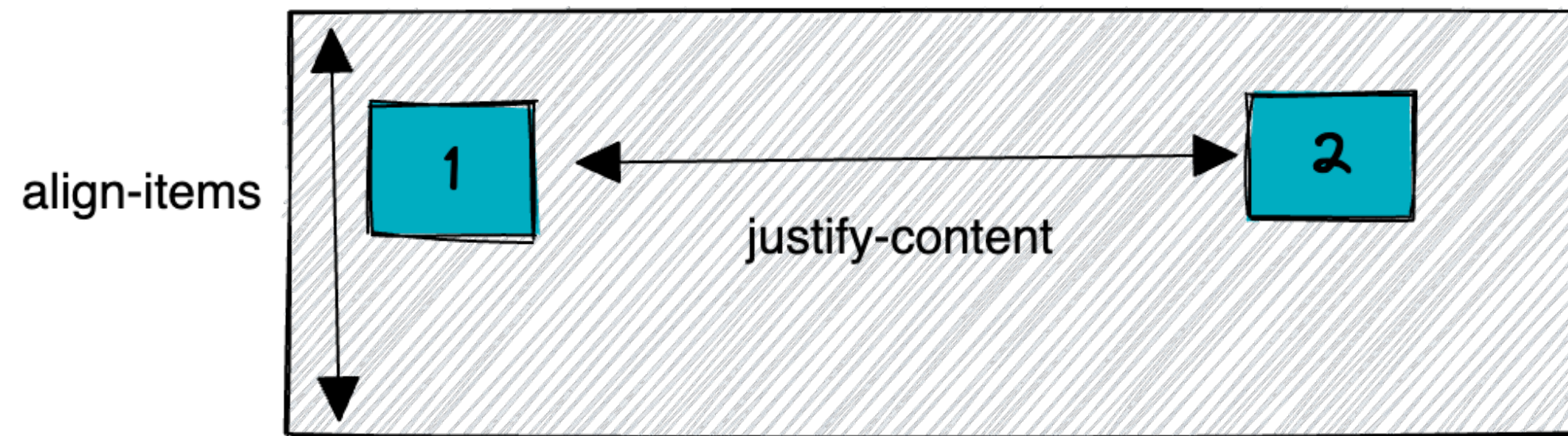
- Flex-direction
 - row, column, row-reverse, column-reverse
- justify-content:
 - space-between, space-around, space-evenly, center, flex-end, flex-start,



justify-content vs align-items

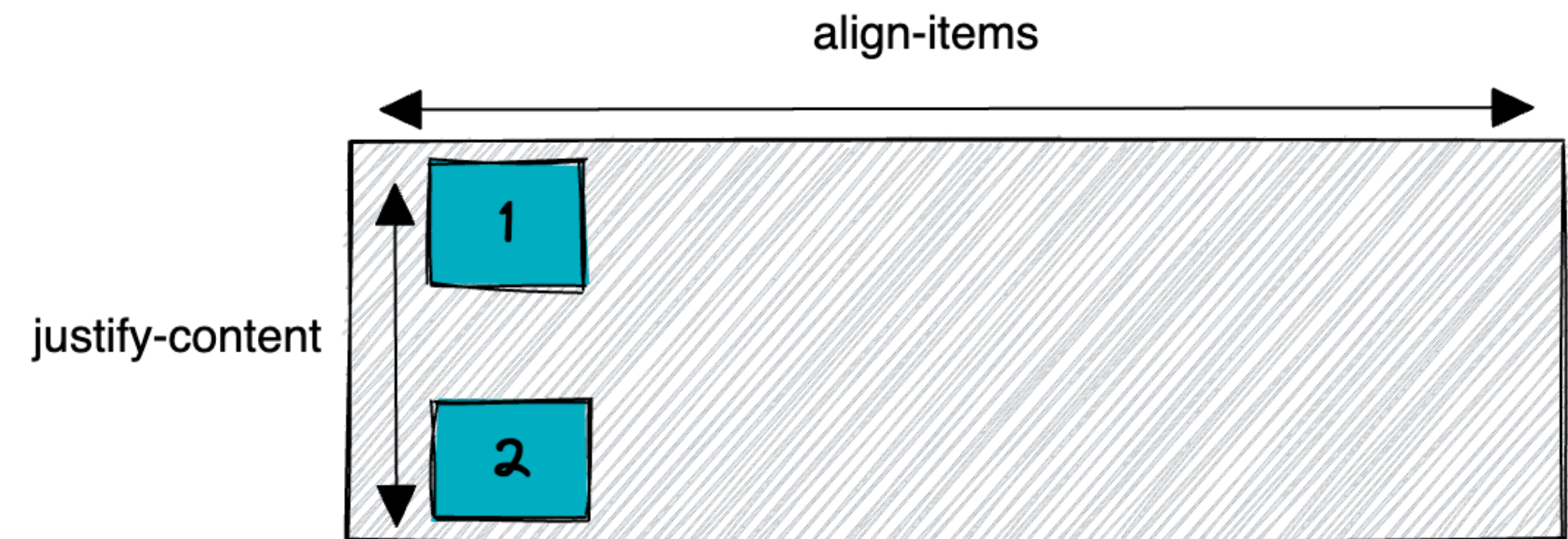
justify-content is determined by the flex-direction

flex-direction:row;



```
.flex-container{  
  display:flex;  
  flex-direction:row;  
  justify-content:space-between;  
  align-items:flex-start;  
  height:300px;  
}
```

flex-direction:column;



```
.flex-container{  
  display:flex;  
  flex-direction:column;  
  justify-content:space-between;  
  align-items:flex-start;  
  height:300px;  
}
```


Guided Exercise

- Use display flex to create the next layout.

