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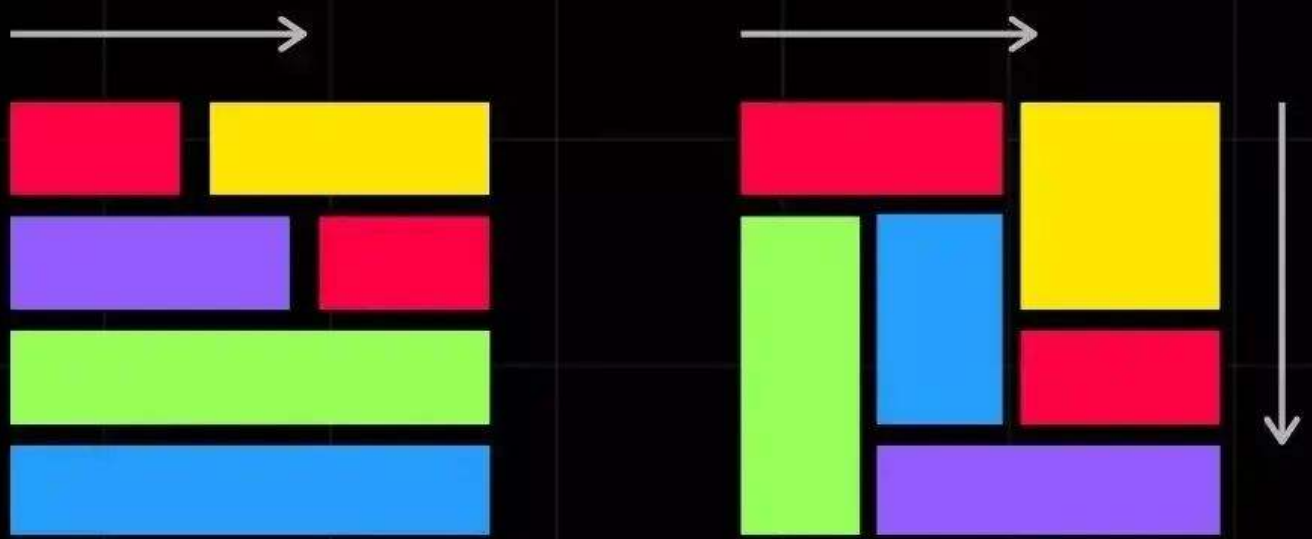
WEB DEVELOPMENT

What to **choose** ?

grid for layout

FLEXBOX OR GRID!

flexbox for alignment



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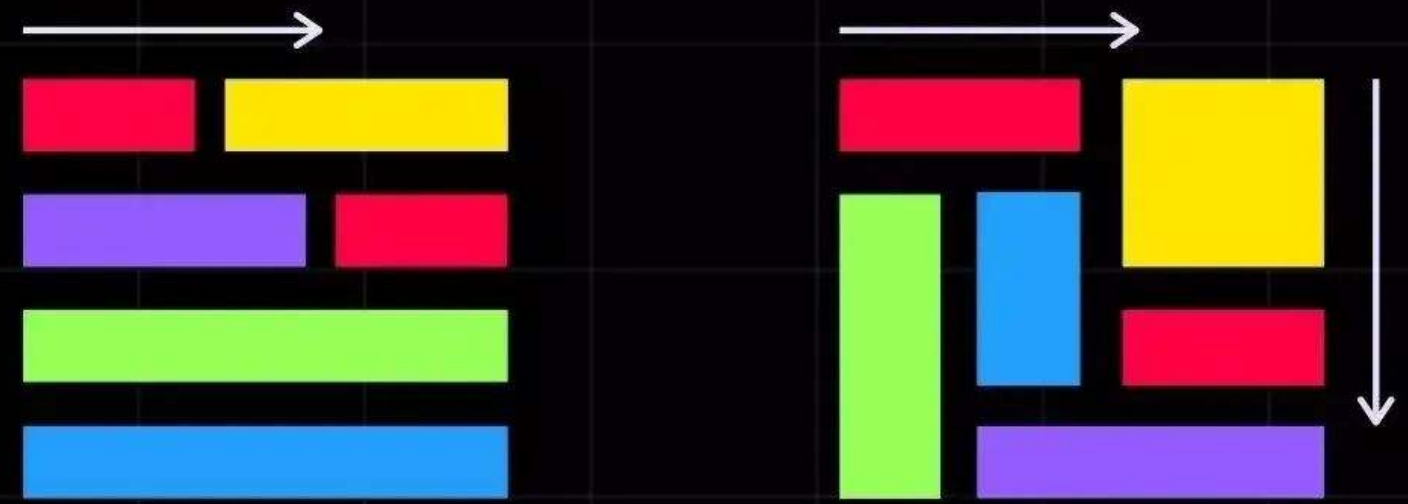
FLEXBOX

GRID



One-dimensional

Two-dimensional

What does it mean?

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One-dimensional

Flexbox was designed for layout in one dimension - either a **row or a column.**

Two-dimensional

Grid was designed for two-dimensional layout - **rows, and columns** at the same time.

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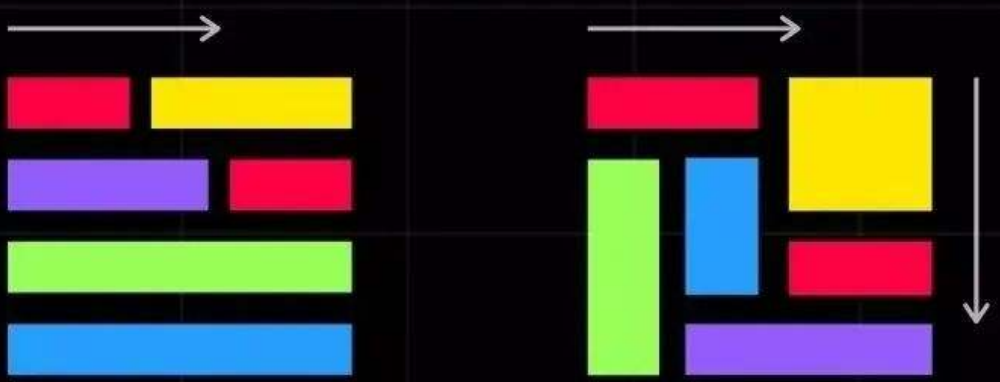
CSS Grid should be used for building layouts
while Flexbox should be used for alignment



flexbox for alignment

grid for layout

USE CASES

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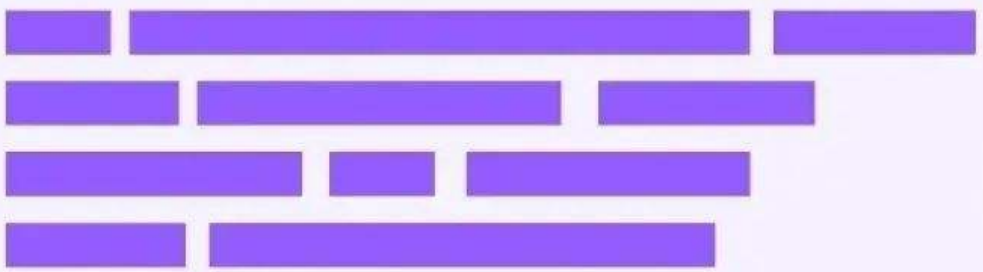
Flex can optionally wrap!

Grid can also optionally wrap (*if we allow auto filling*)

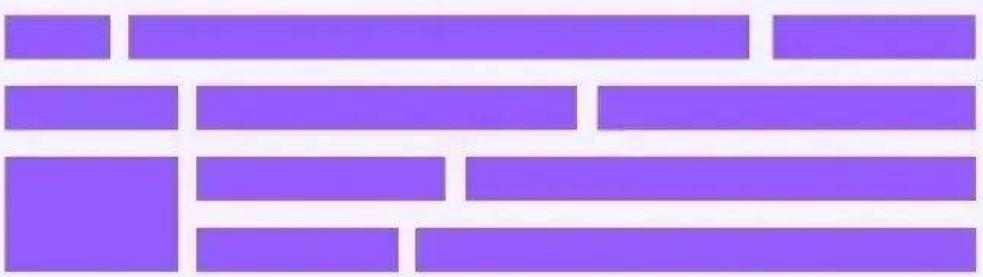
Flexbox is not a good choice here.

Wrap down onto another row when the flex items fill a row.



Grid is a better option in this case.

They will fall along the same grid lines all the other elements do.



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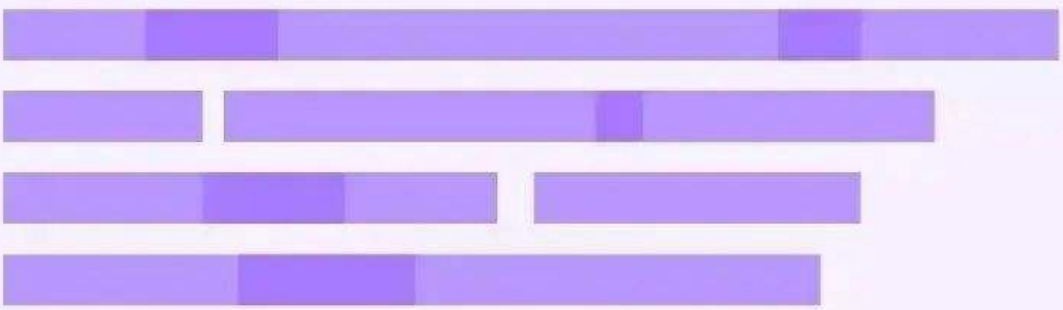
Grid is better at overlapping

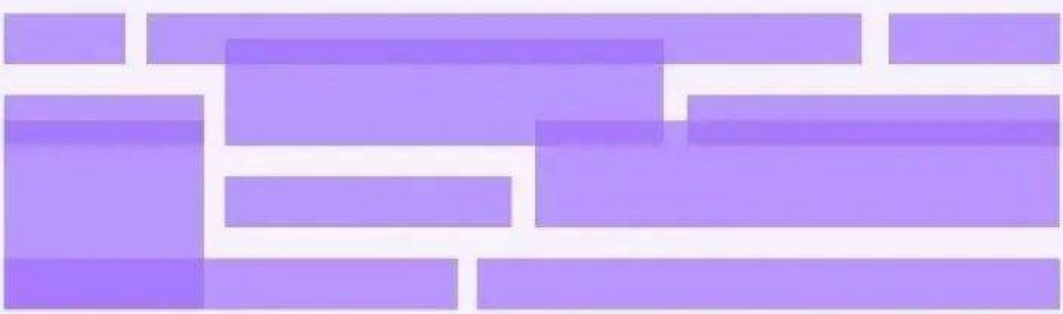
Flexbox is not a good choice here.

Flexbox requires negative margins, transforms, or absolute positioning in order to break out of the flex behavior



Grid is a better option in this case.

With grid, we can place items on overlapping grid lines, or even right within the same exact grid cells.



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Grid is sturdier

Grid has interesting space-occupying features, like **fractional units**, and the ability for content to **break grids.**

Flexbox can push things away!

It's a rather unique feature of flexbox that you can, for example, put ***margin-right: auto;*** on an element.

Some Tweets on this subject

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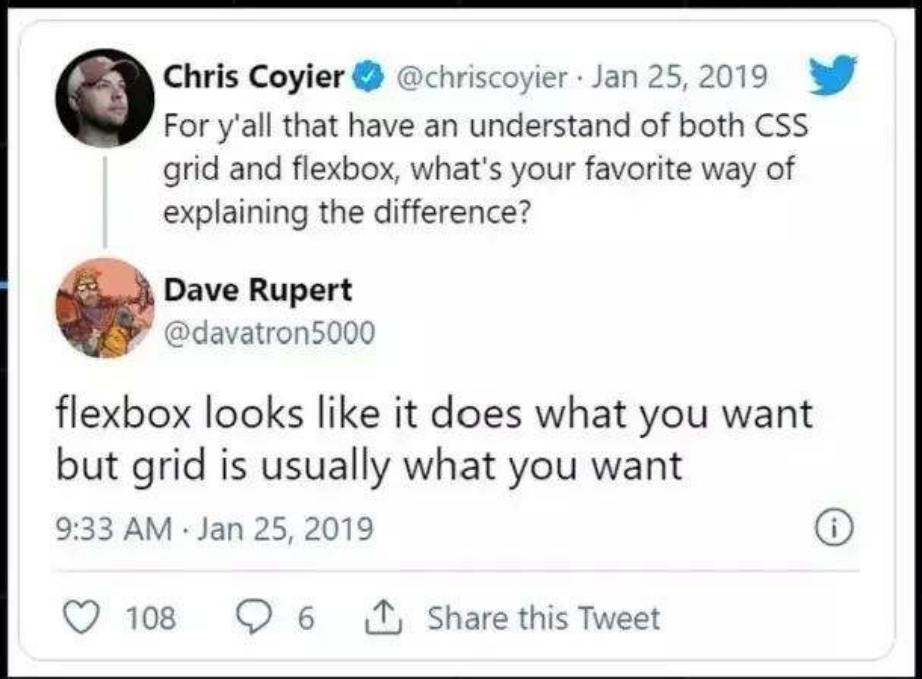

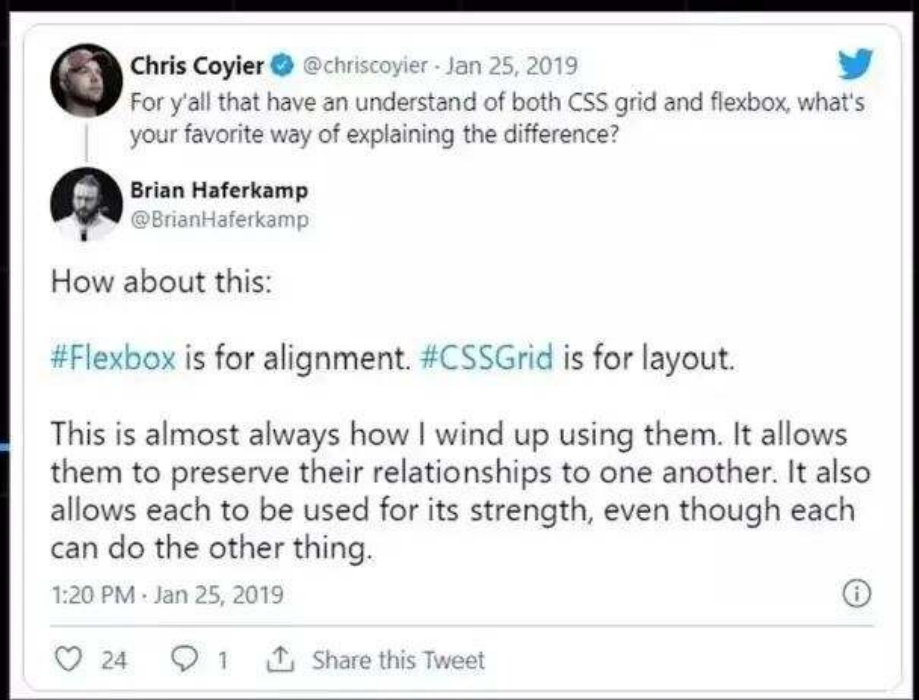

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Flexbox vs Grid

When to use Flex-Layout?

Flexbox doesn't handle the layout for the whole page it handles the layout for a particular container and the items that are a direct child of that container.

You have a complicated design to function with and want maintainable web pages.

You wish to add gaps over the block elements.

You need to overlap elements.

You need a layout-first design.

When to use Grid Layout?

The grid helps you to create the outer layout of the page you can consider it as the skeleton of the page:

You need to align the element.

You need a content-first design.

In a situation where you want to overlap items in that situation, you need to use a Grid.