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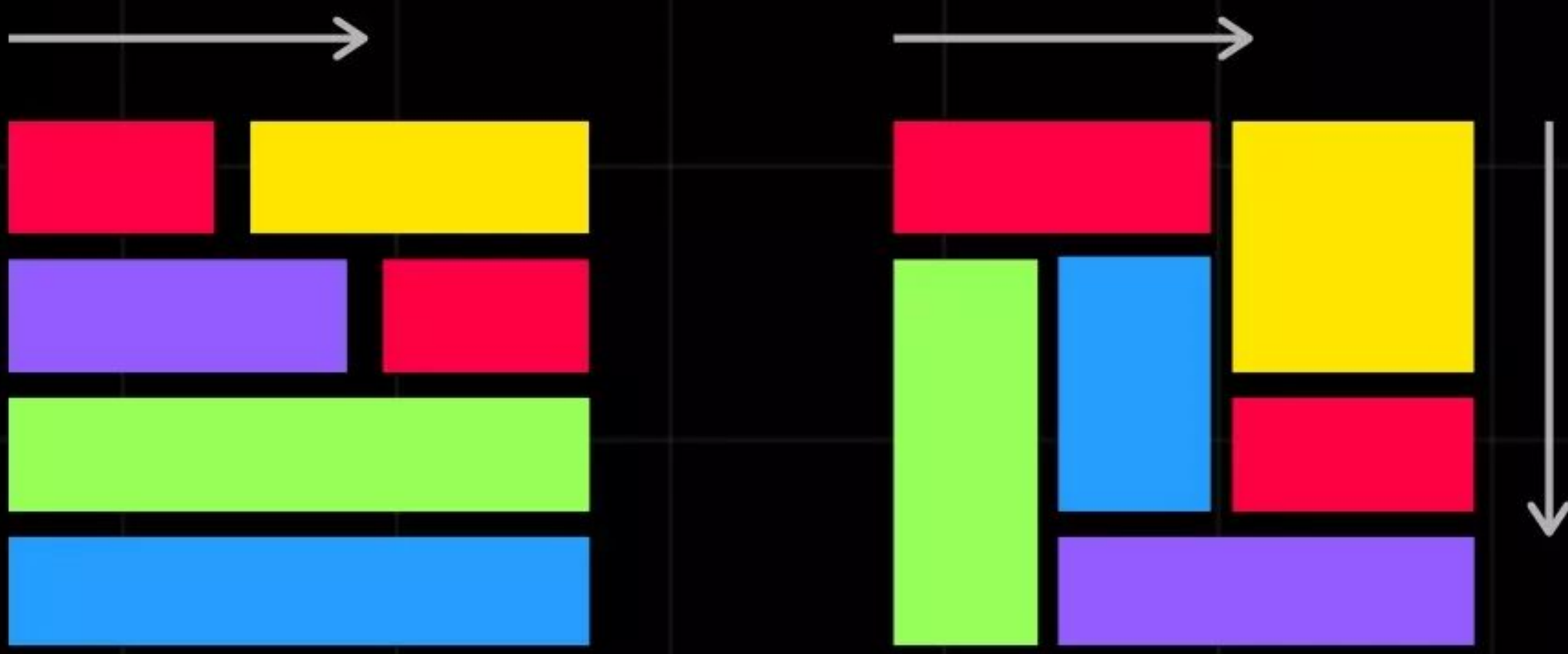
What to **choose** ?

# FLEXBOX OR GRID!

*flexbox for alignment*

*grid for layout*



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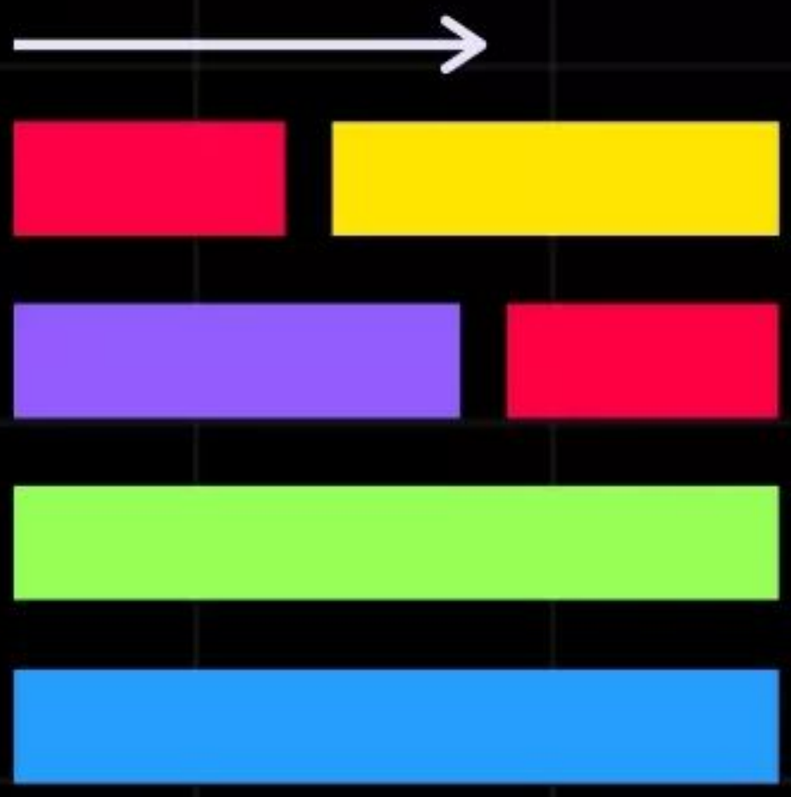
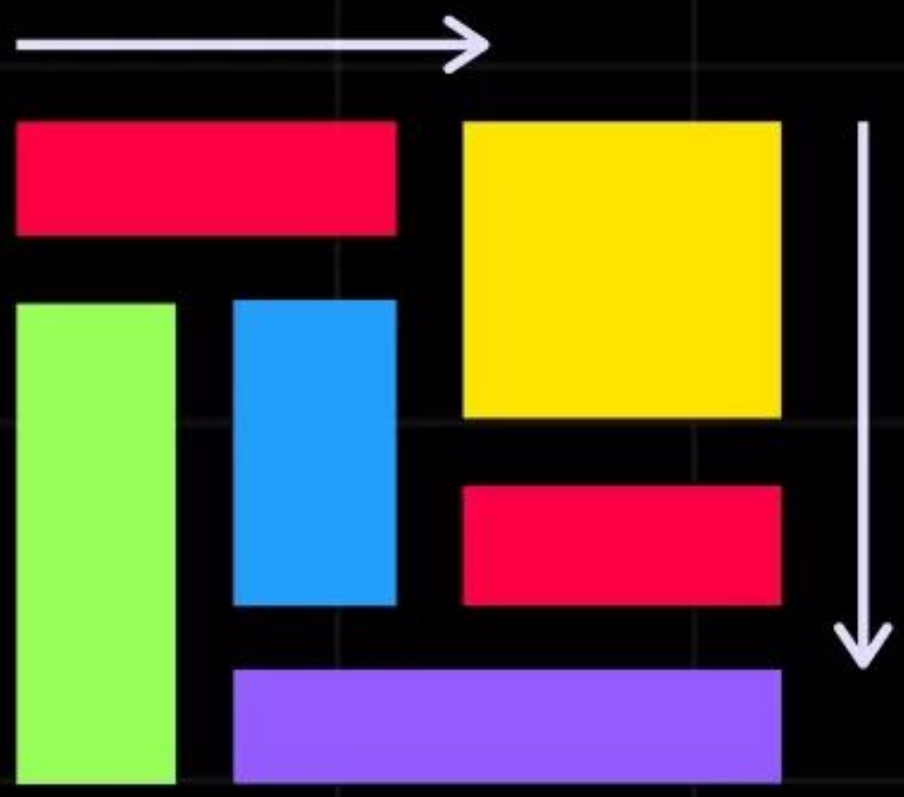
# FLEXBOX



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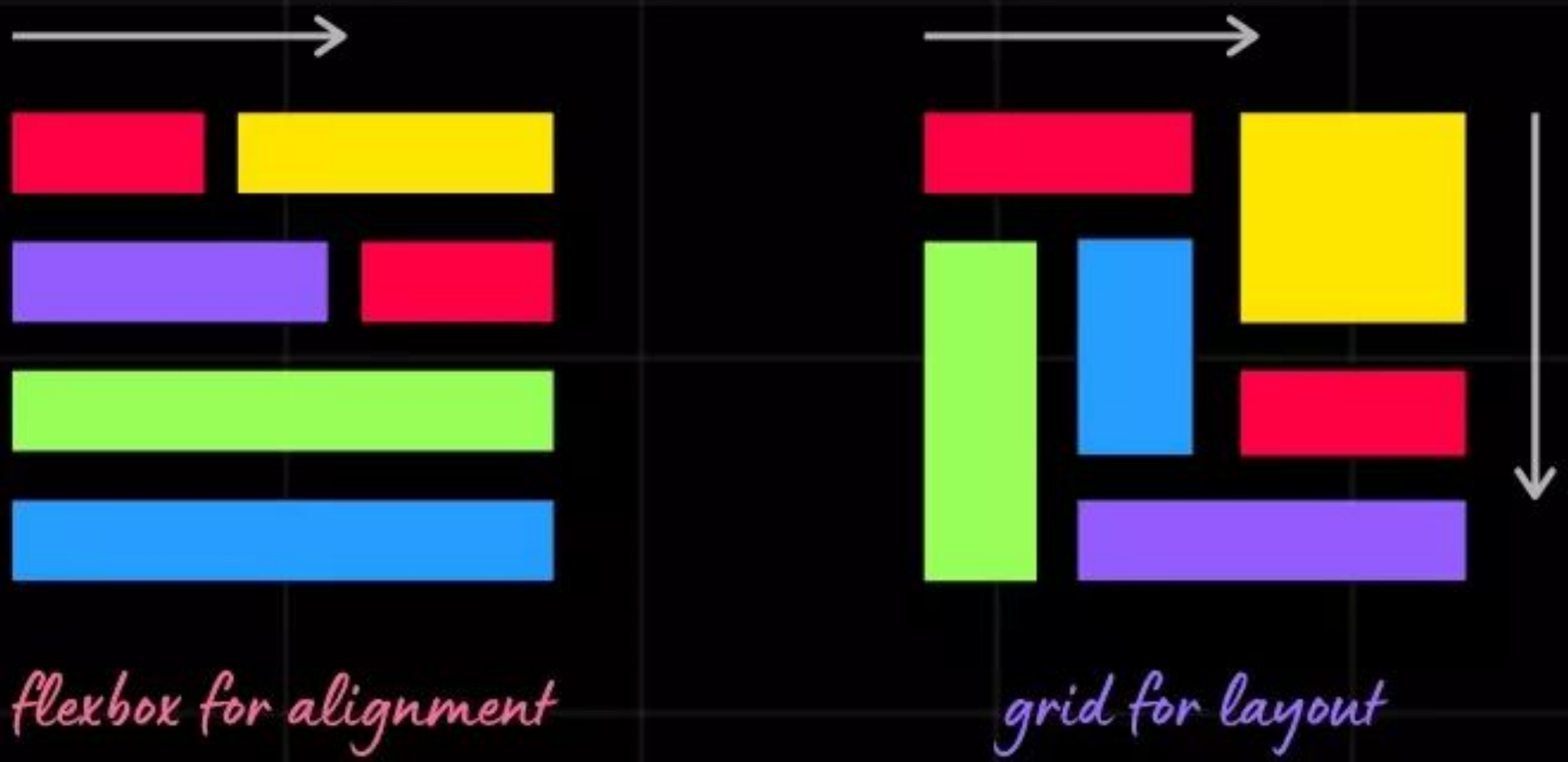
**CSS Grid** should be used for building layouts
**while Flexbox** should be used for alignment




## USE CASES

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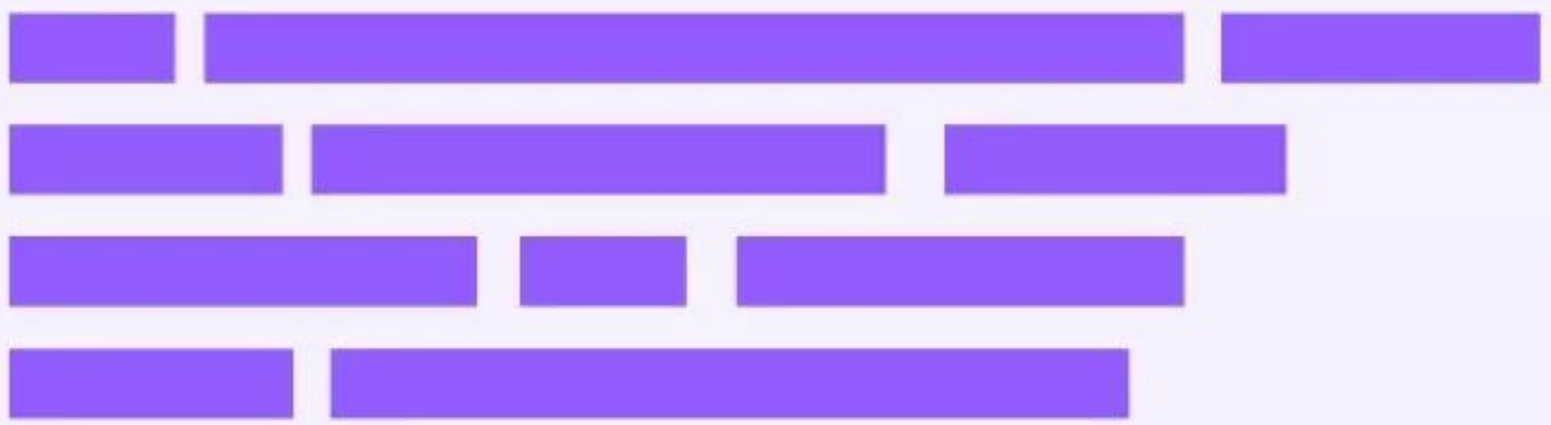
# Flex can optionally wrap!

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

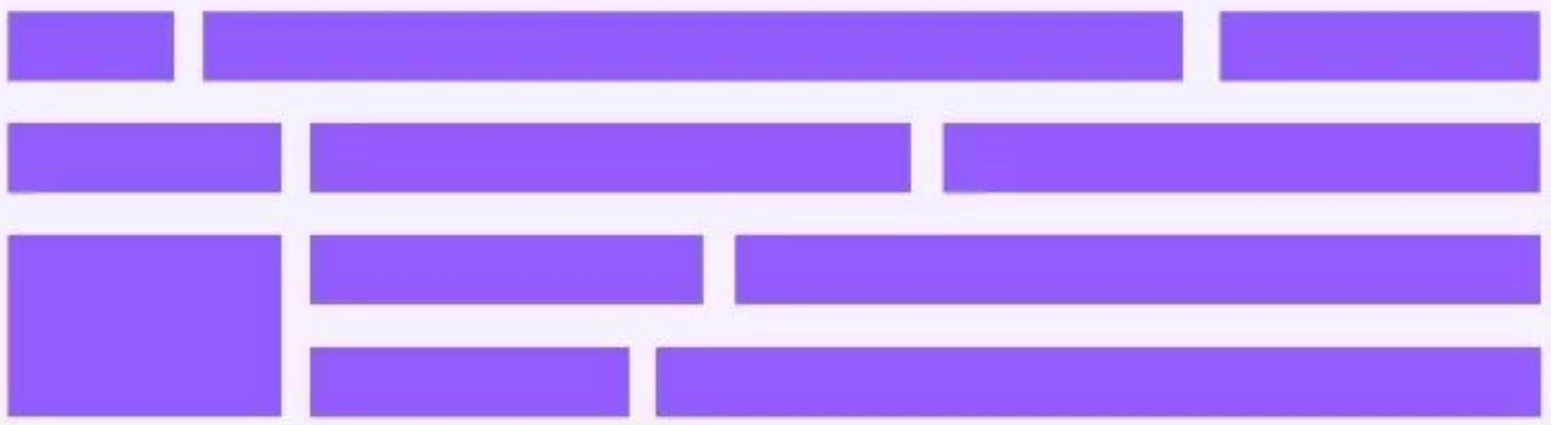
*Flexbox is not a good choice here.*

**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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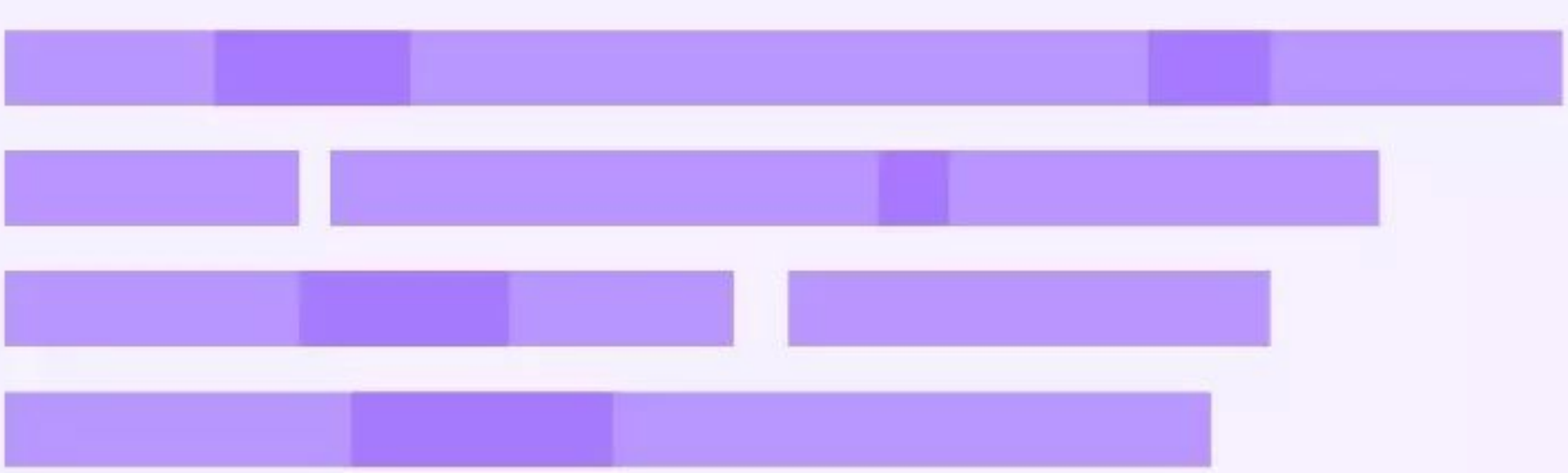
# Grid is better at overlapping

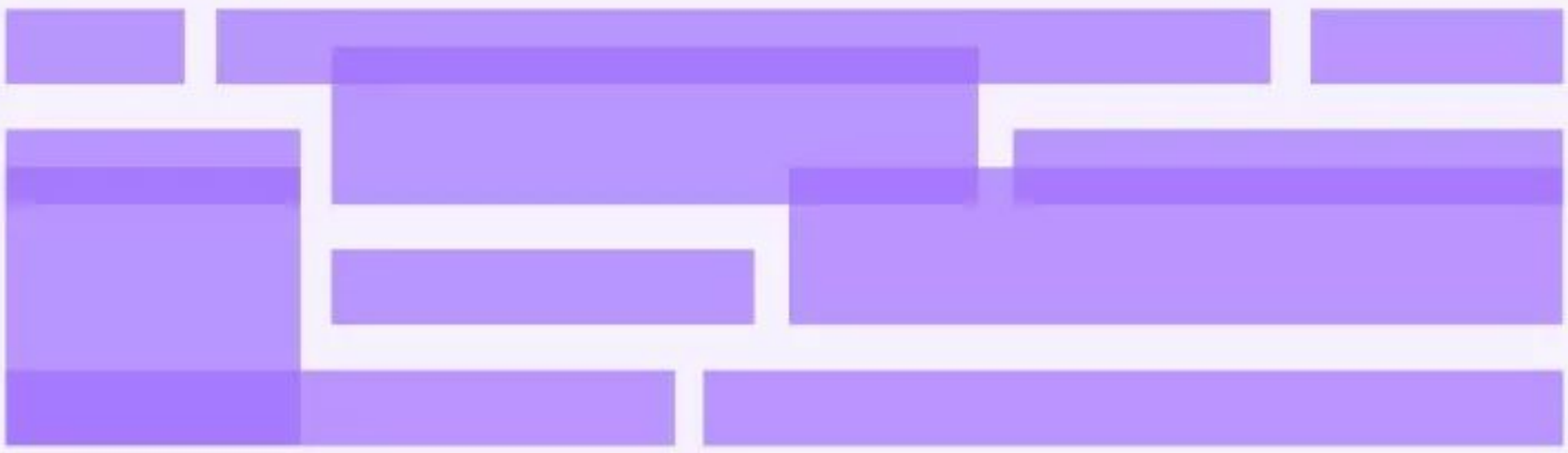
*Flexbox is not a good choice here.*

**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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**Chris Coyier** @chriscoyier · Jan 25, 2019

For y'all that have an understand of both CSS grid and flexbox, what's your favorite way of explaining the difference?

**Dave Rupert**
@davatron5000

flexbox looks like it does what you want but grid is usually what you want

9:33 AM · Jan 25, 2019

108 6 Share this Tweet

**Chris Coyier** @chriscoyier · Jan 25, 2019

For y'all that have an understand of both CSS grid and flexbox, what's your favorite way of explaining the difference?

**Brian Haferkamp**
@BrianHaferkamp

How about this:

#Flexbox is for alignment. #CSSGrid is for layout.

This is almost always how I wind up using them. It allows them to preserve their relationships to one another. It also allows each to be used for its strength, even though each can do the other thing.

1:20 PM · Jan 25, 2019

24 1 Share this Tweet

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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.

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