

Day 2: CSS Grid

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### Why CSS Grid?

- Built into CSS specification (now a recommendation).
- No "row" markup required.
  - Mind the parents and children.
- Grid is designed to work in 2 dimensions.
- "Use Flexbox for UI elements, but use Grid for major layout."
- Use Flexbox and Grid where they make the most sense.

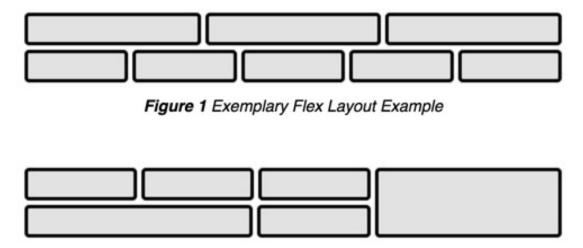


Figure 2 Exemplary Grid Layout Example

https://drafts.csswg.org/css-grid/

### Browser support

- **CSS Grid** (level 1) supported by all major modern browsers.
- **Subgrid** (level 2) supported only by Firefox.
- Partial support/no support with the usual suspects.
- http://caniuse.com/#search=grid

# CELL/ .COL-1 CELL/ .COL-2 CELL/ .COL-3 CELL/ .COL-4

```
<div class="wrapper">
    <div class="col-1"></div>
    <div class="col-2"></div>
    <div class="col-3"></div>
    <div class="col-4"></div>
    </div></div>
```

```
CELL/
.COL-1

CELL/
.COL-2

CELL/
.COL-3

CELL/
.COL-4
```

```
.wrapper {
    display: grid;
    gap: 10px;
}
```

.WRAPPER

CELL/
.COL-1

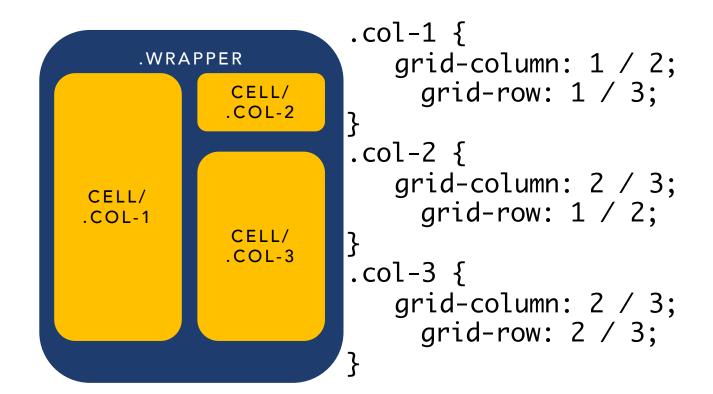
CELL/
.COL-2

CELL/
.COL-3

CELL/
.COL-4

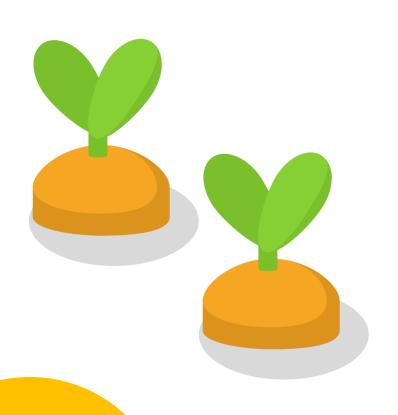
5

```
.col-1 {
    grid-column: 1 / 2;
}
.col-2 {
    grid-column: 2 / 3;
}
.col-3 {
    grid-column: 3 / 4;
}
```



## Additional Syntax

- Span notations
- Named lines (instead of numbers)
- Named grid template areas (header, footer, etc)
- Tons of shorthand vs. longhand for properties
- This is one of the most confusing parts of Grid



• Game to practice Grid syntax:

 CSS Grid Garden: https://cssgridgarden.com Tracking parents (containers) and children (items)

#### A single element may be

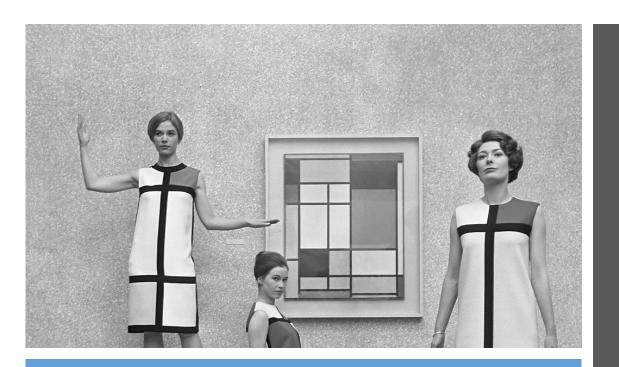
- A grid item AND a grid container
- A flex item AND a flex container
- A flex item AND a grid container
- A grid item AND a flex container

#### Grid container 1

Grid item 1 / Grid container 2

Grid item 2 / Flex container 1

Flex item 2



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### Code example