



Layout Strategy

Use Flexbox for 1D layouts. Use Grid for 2D.

● ACTIVATE FLEXBOX

```
display: flex;
```

ROW (DEFAULT)

```
flex-direction: row;
```

COLUMN

```
flex-direction: column;
```

DON'T USE FOR

```
/* Complex 2D Grids */
```



Sizing & Growth

Set base sizes clearly. Control growth explicitly.

● SHORTHAND (GROW SHRINK BASIS)

```
flex: 1 1 200px;
```

SET BASE SIZE

```
flex-basis: 200px;
```

ALLOW GROWTH

```
flex-grow: 1;
```

DON'T

```
/* Rely on implicit sizes */
```




Spacing (Gap vs Margin)

Use `gap`. Avoid margin hacks.

- CLEAN SPACING

```
gap: 1rem;
```

ROW & COL GAP

```
gap: 10px 20px;
```

DON'T

```
margin-right: 10px; /* Messy */
```



Alignment

Simpler and more predictable than margins.

● MAIN AXIS ALIGNMENT

```
justify-content: center;
```

CROSS AXIS

```
align-items: center;
```

SPACE BETWEEN

```
justify-content: space-between;
```

FULL CENTER

```
display: flex; place-items: center;
```




Responsiveness

Handle wrapping and overflow on small screens.

● ALLOW WRAPPING

```
flex-wrap: wrap;
```

SENSIBLE MIN WIDTH

```
min-width: 300px;
```

PREVENT OVERFLOW

```
overflow-x: hidden;
```

CHECK

```
/* Always test on mobile */
```



Accessibility & Order

Visual order should match screen reader order.

● REORDERING ITEMS

```
order: 1;
```

WARNING

```
/* Don't break focus order */
```

BEST PRACTICE

```
/* Keep source logical */
```


Summary of Don'ts

Avoid these common Flexbox mistakes.

● SPACING

```
/* Don't mix margin & gap randomly */
```

SIZING

```
/* Don't leave flex-grow implicit */
```

LAYOUT

```
/* Don't use Flex for 2D Grids */
```

QA

```
/* Don't forget overflow checks */
```