

# Implementing Responsive Layouts



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[www.fancymatt.com](http://www.fancymatt.com)

# The Responsive Layout Process



# Course Overview

The Responsive Layout Process

Designers and Frontend Developers

Layout Principles and Patterns

Clean Code and Accessibility

Flexbox and Grid, Revisited



Building a Responsive Layout

Building Responsive Components



**Why don't we just implement  
everything at once?**



# Why Separate Layouts and Components?

Easier to teach concepts

Can write more holistic styles





## “The Ultimate Guide to CSS”

Typography

Special effects

Justification

Floats

Transitions

Flexbox

Padding

Box sizing

Z-index

Tables

Alignment

Positioning

Grid

Animations





Typography

FLOATS

Flexbox

Box sizing

Tables

Animations

Special effects

Justification

Transitions

Padding

Z-index

Positioning

Grid

Now practice them all!

Alignment

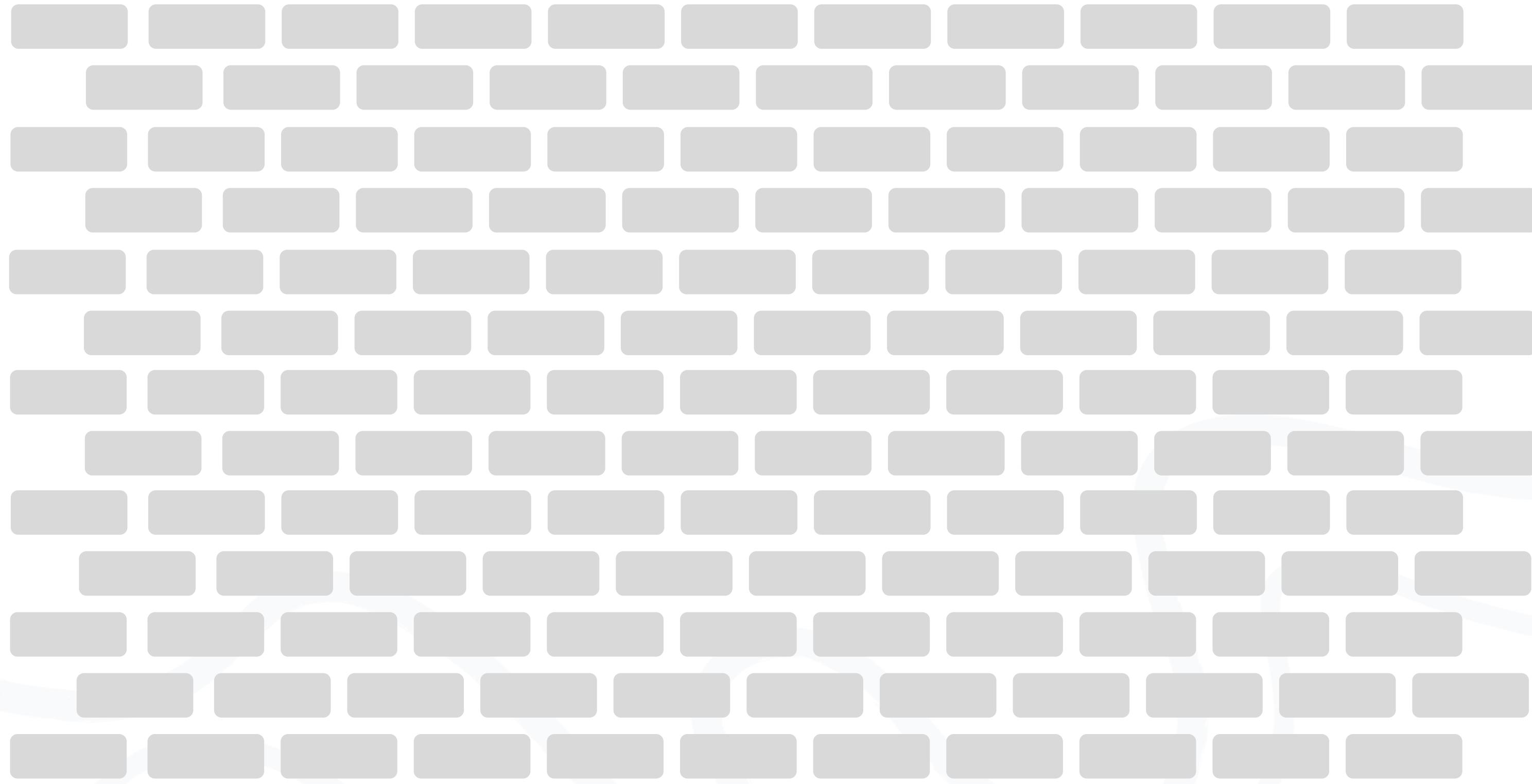


# Many Properties are Needed to Implement a Webpage

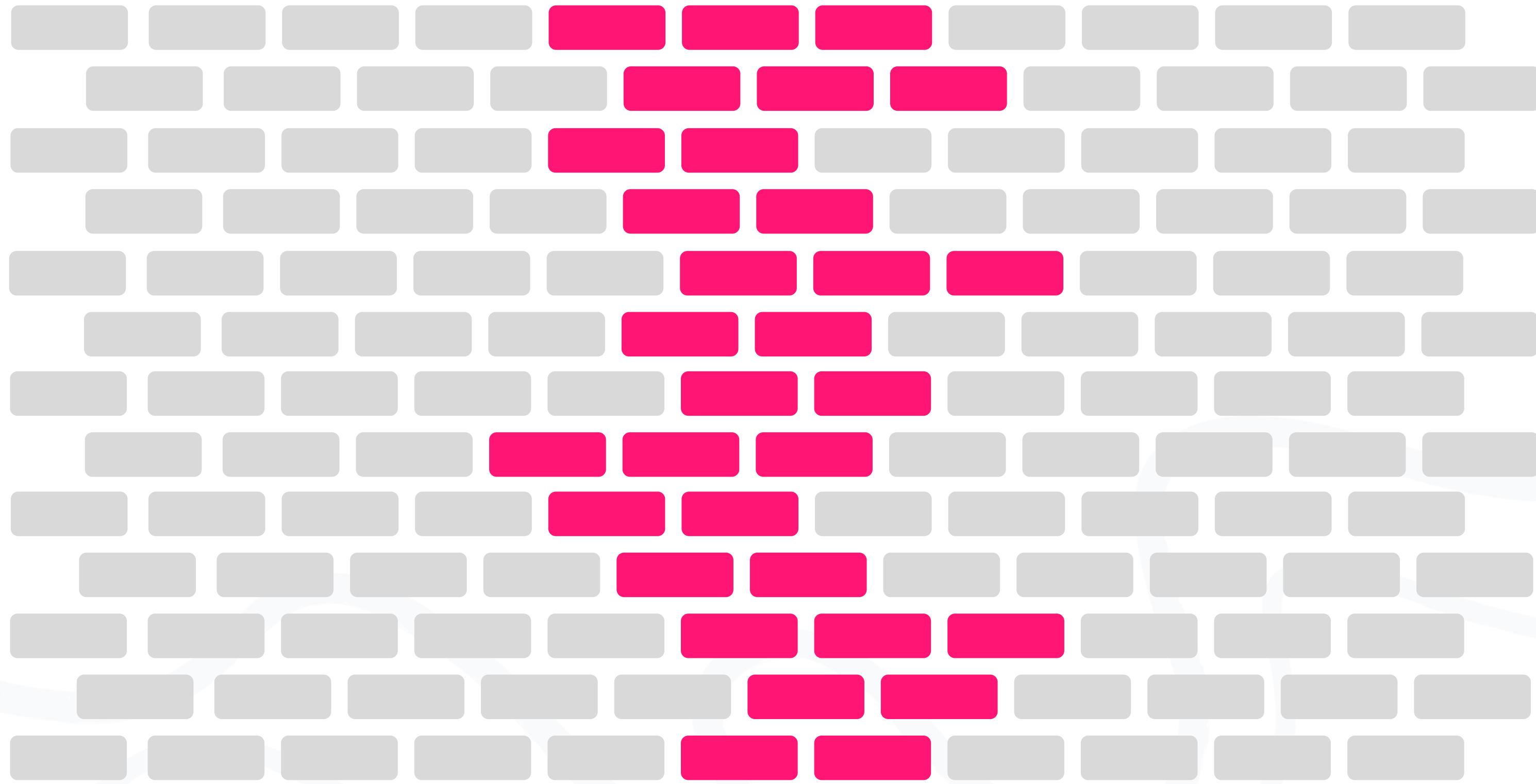
| Area                     | Property Examples                         |
|--------------------------|---|
| Typography               | <code>font-family, font-weight</code>     |
| Box Model                | <code>margin, padding, border</code>      |
| Positioning              | <code>width, height, position</code>      |
| Layout                   | <code>float, display, align-items</code>  |
| Animations & Transitions | <code>animation, transition</code>        |
| Filters & Effects        | <code>filter, clip-path, mask-mode</code> |



# Vertical Slice

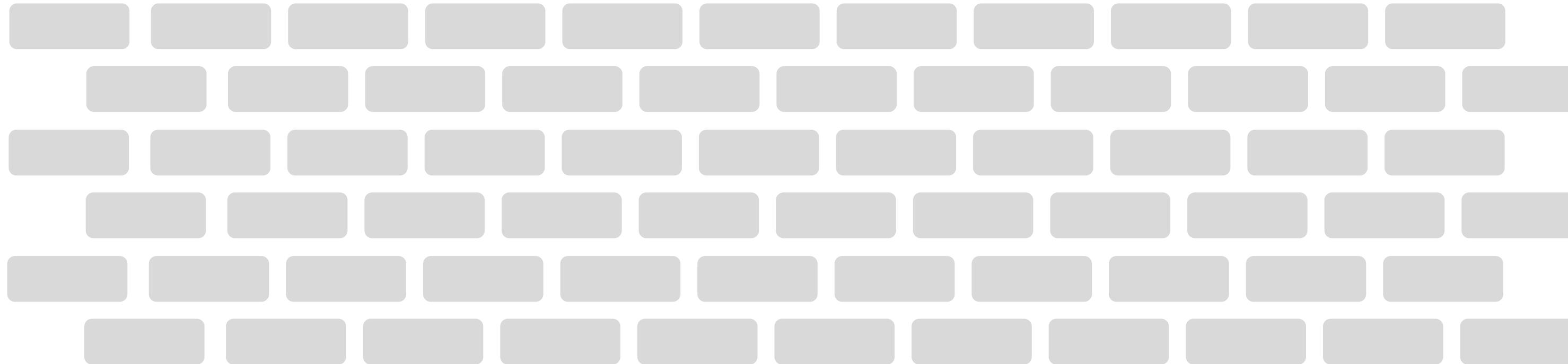


# Vertical Slice

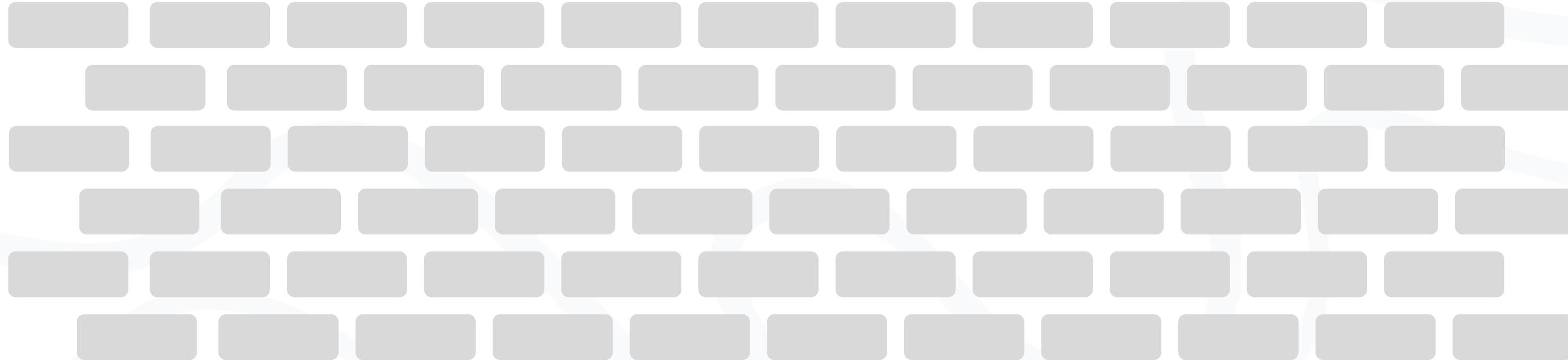


# Vertical Slice

## Layout

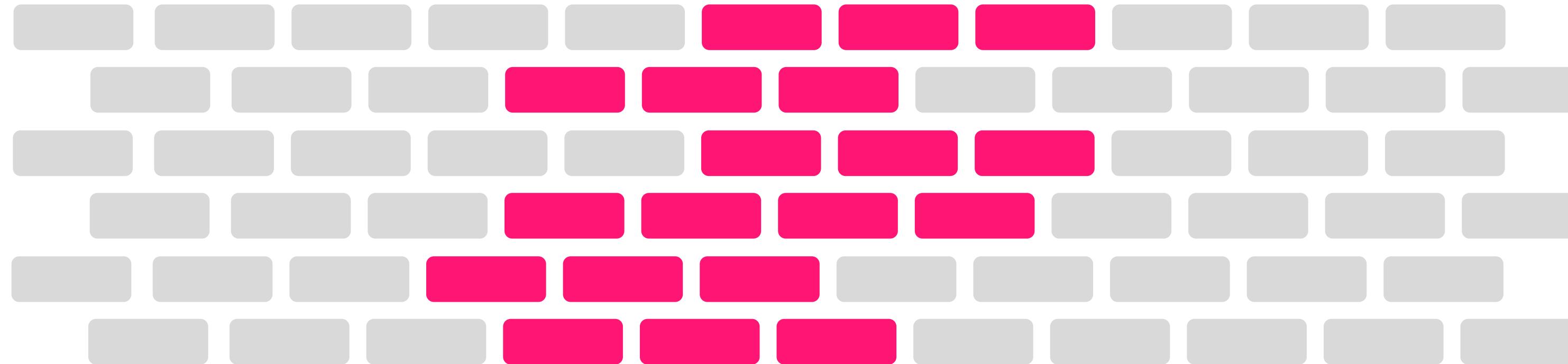


## Components

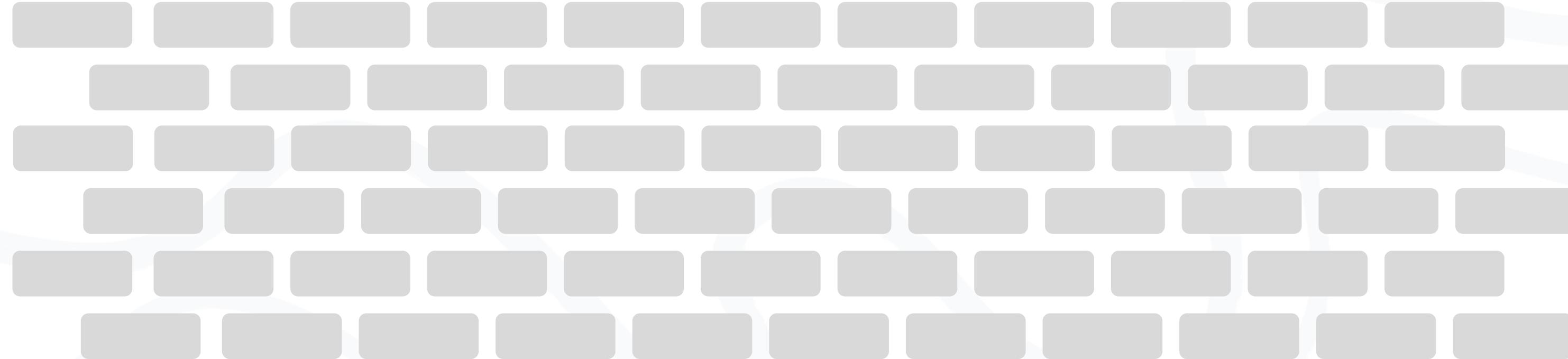


# Vertical Slice

## Layout



## Components



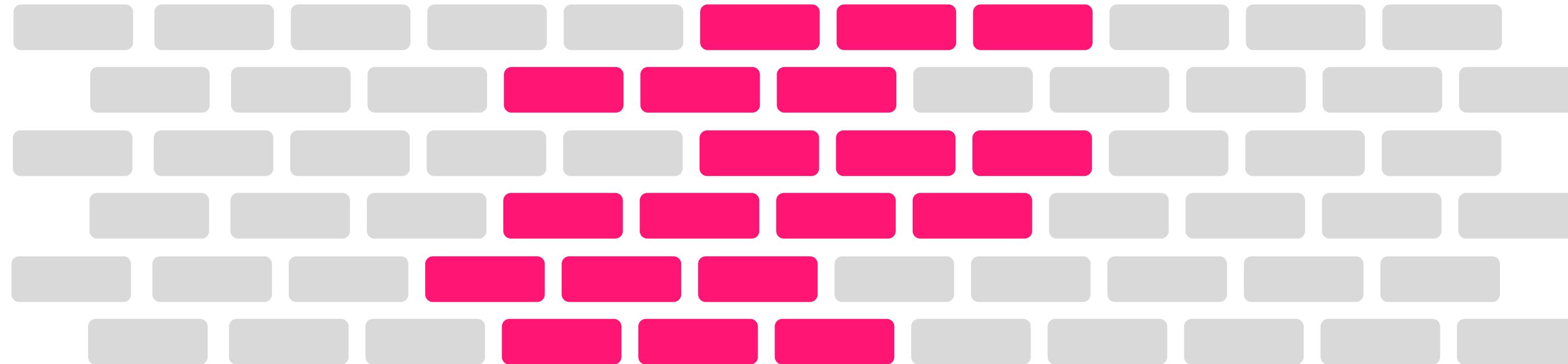
# Properties Needed in This Module

| Area            | Properties  |
|-----------------|---|
| Box Model       | <code>width, height, max-width, margin, padding, border</code>                                    |
| Positioning     | <code>position, display</code>  |
| Grid Definition | <code>grid-template-columns, grid-template-rows, grid-template-areas, grid-auto-rows, gap</code>  |
| Grid Placement  | <code>grid-area, grid-column, grid-row, grid-column-start, grid-column-end</code>                 |
| Align, Justify  | <code>justify-content, justify-items, justify-self, align-content, align-items, align-self</code> |

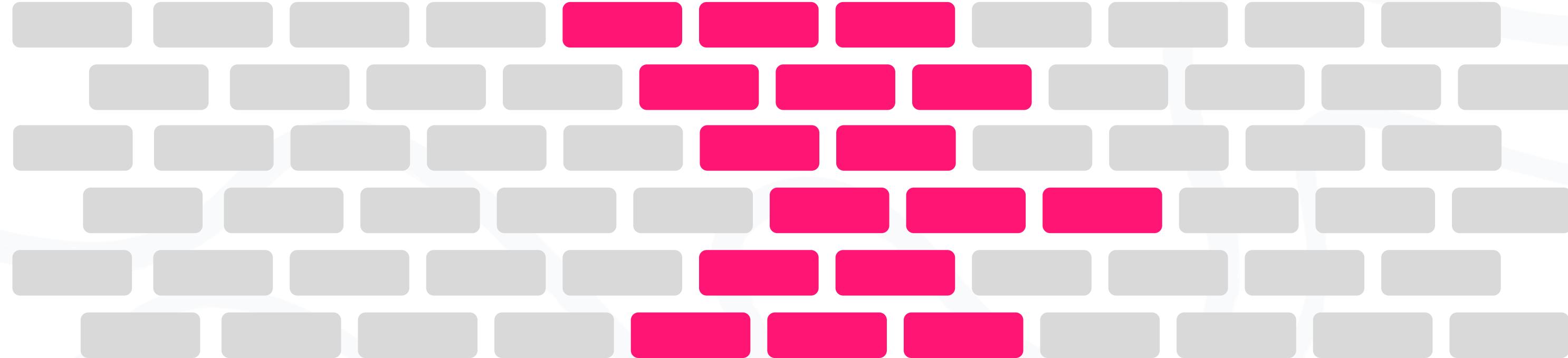


# Vertical Slice

## Layout



## Components



**Look for  
opportunities to  
make abstract  
styles**

## styles.css

```
.section-1 {  
    display: grid;  
    margin: 2em;  
    grid-template-columns: 10em 1fr 10em;  
    background: #efefef;  
    ...  
}  
  
.section-2 {  
    display: grid;  
    margin: 0 1em;  
    grid-template-columns: 10em 1fr 10em;  
    background: #3f3f3f;  
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# Overview: Implementing Responsive Layouts

Implementing Grid Strategies

Markup for Layout

Media Queries

Implementing Bethany's Pie Shop  
Layout

Module Summary



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**Up Next:**

# **Implementing Grid Strategies**

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# Grid is a layout-in system

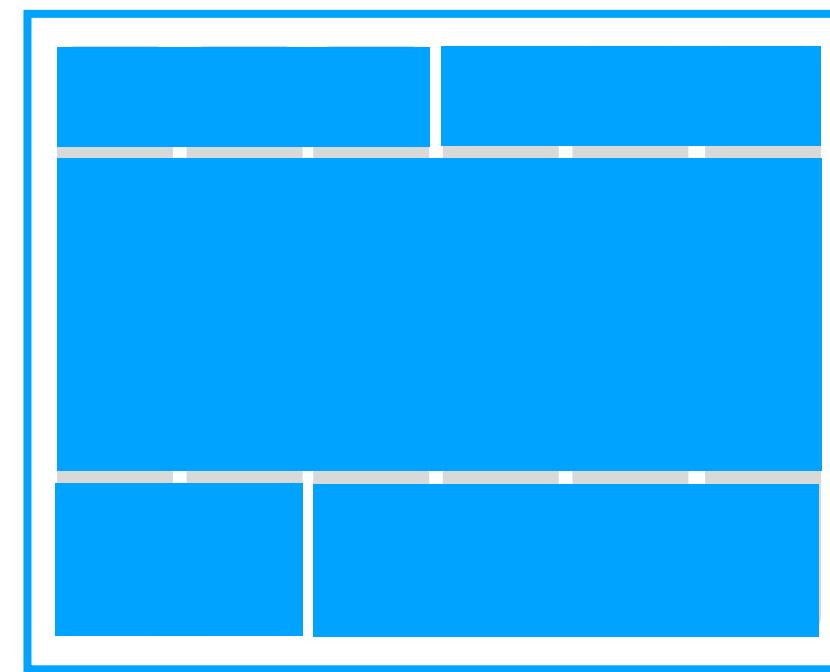
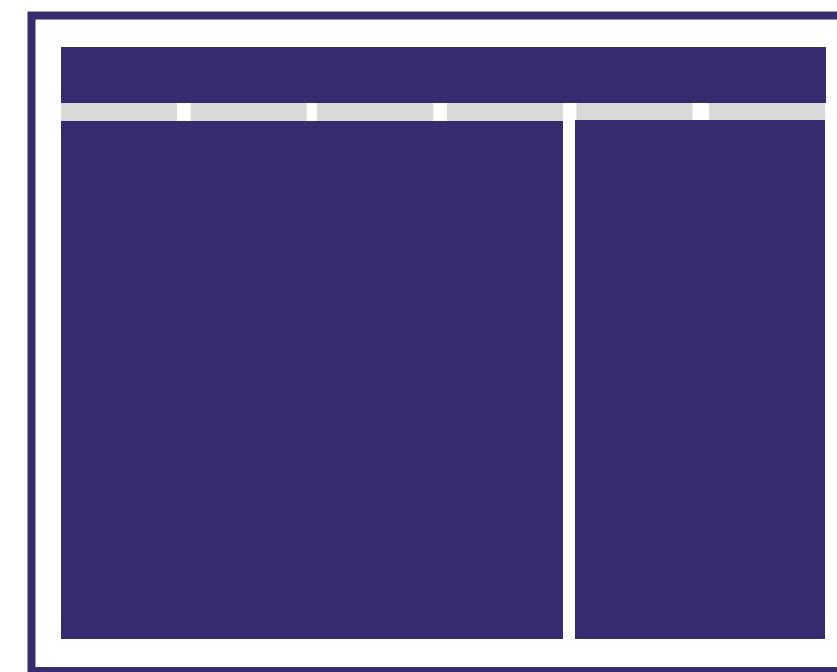
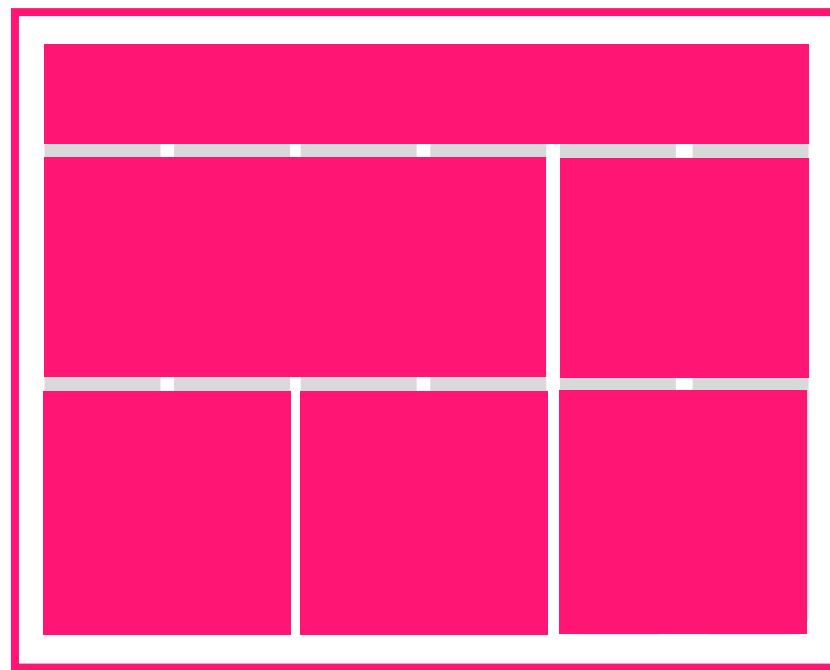
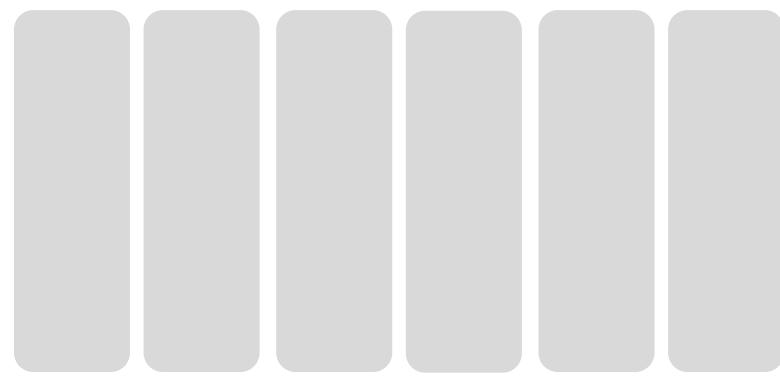


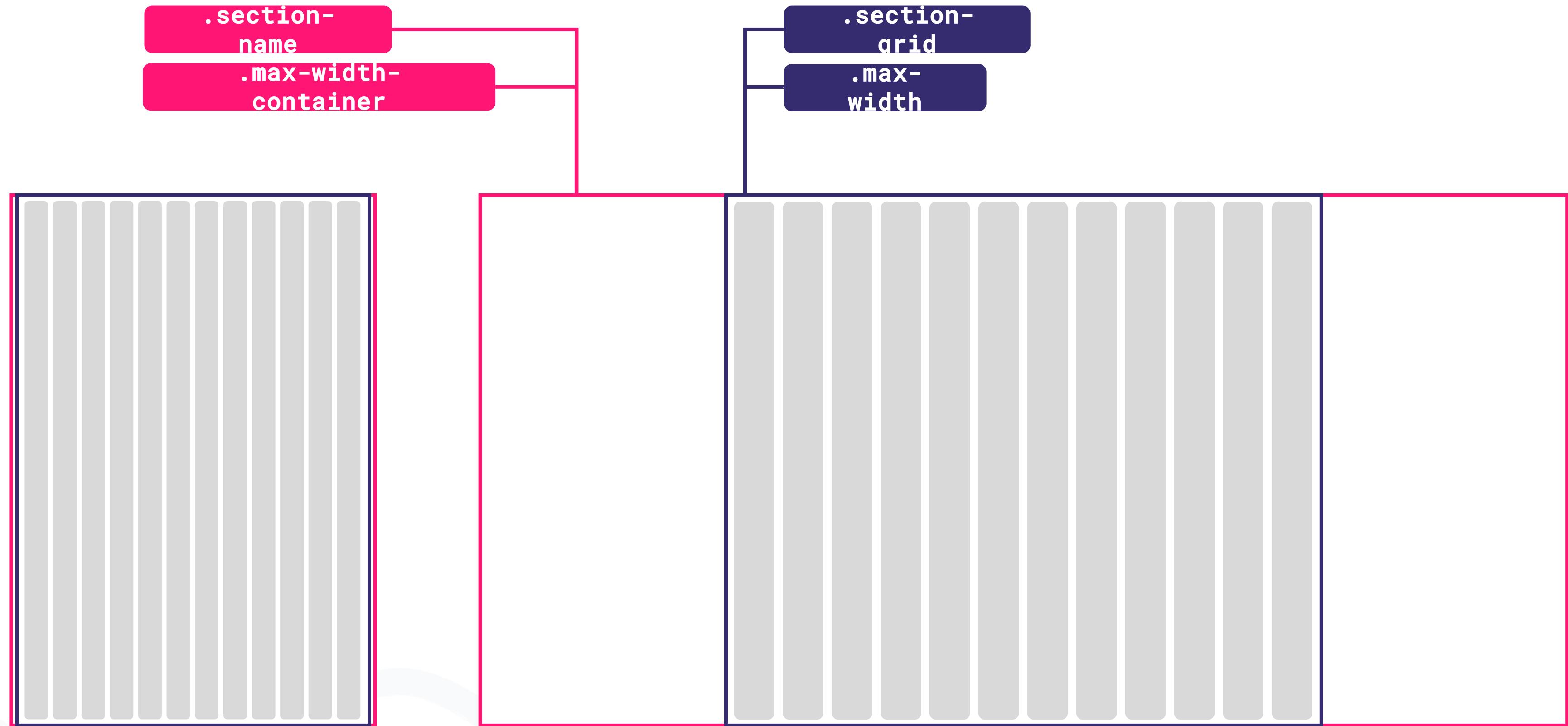
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**Up Next:**

# **Markup for Layout**

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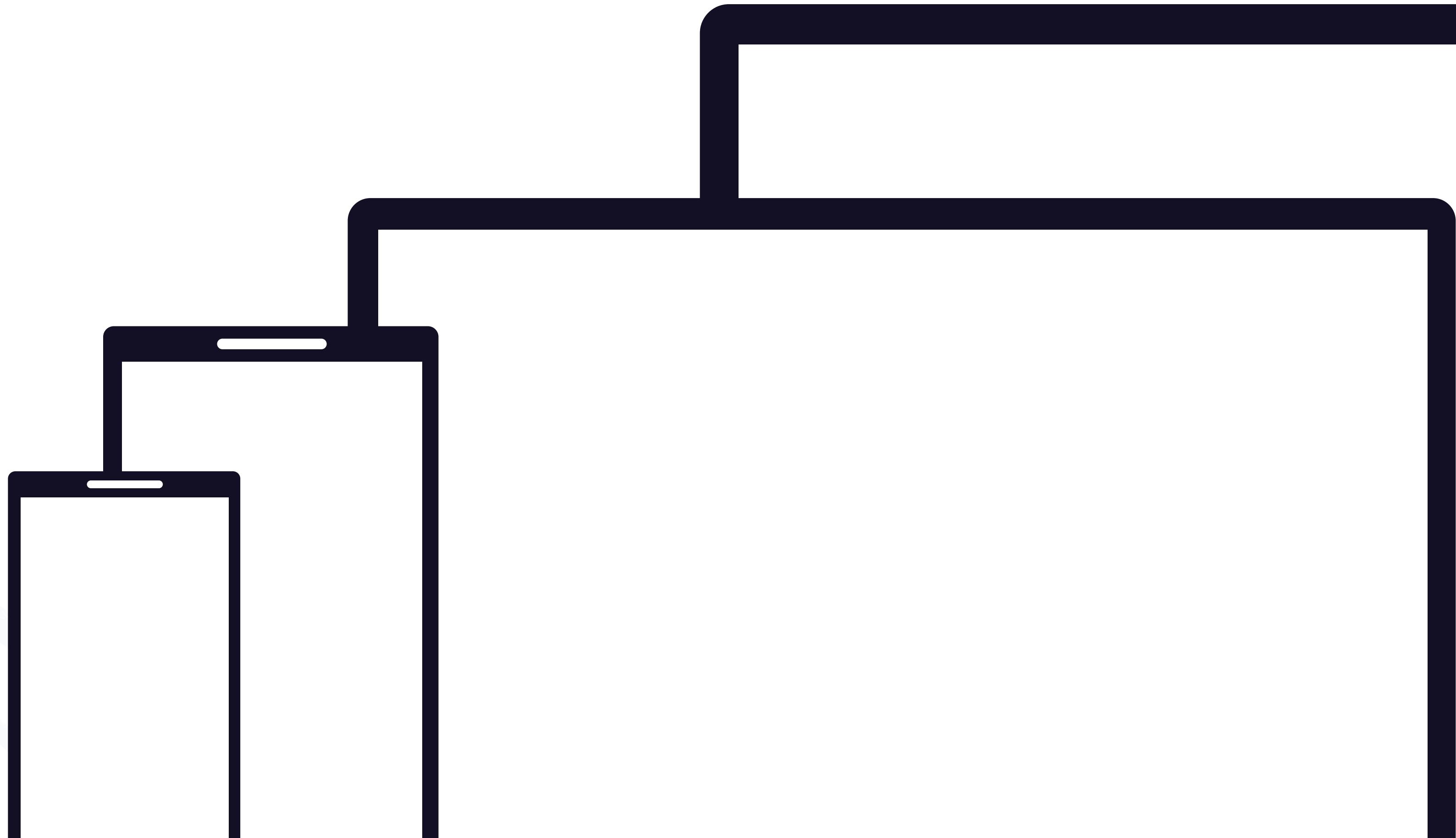
**Up Next:**

# **Media Queries**

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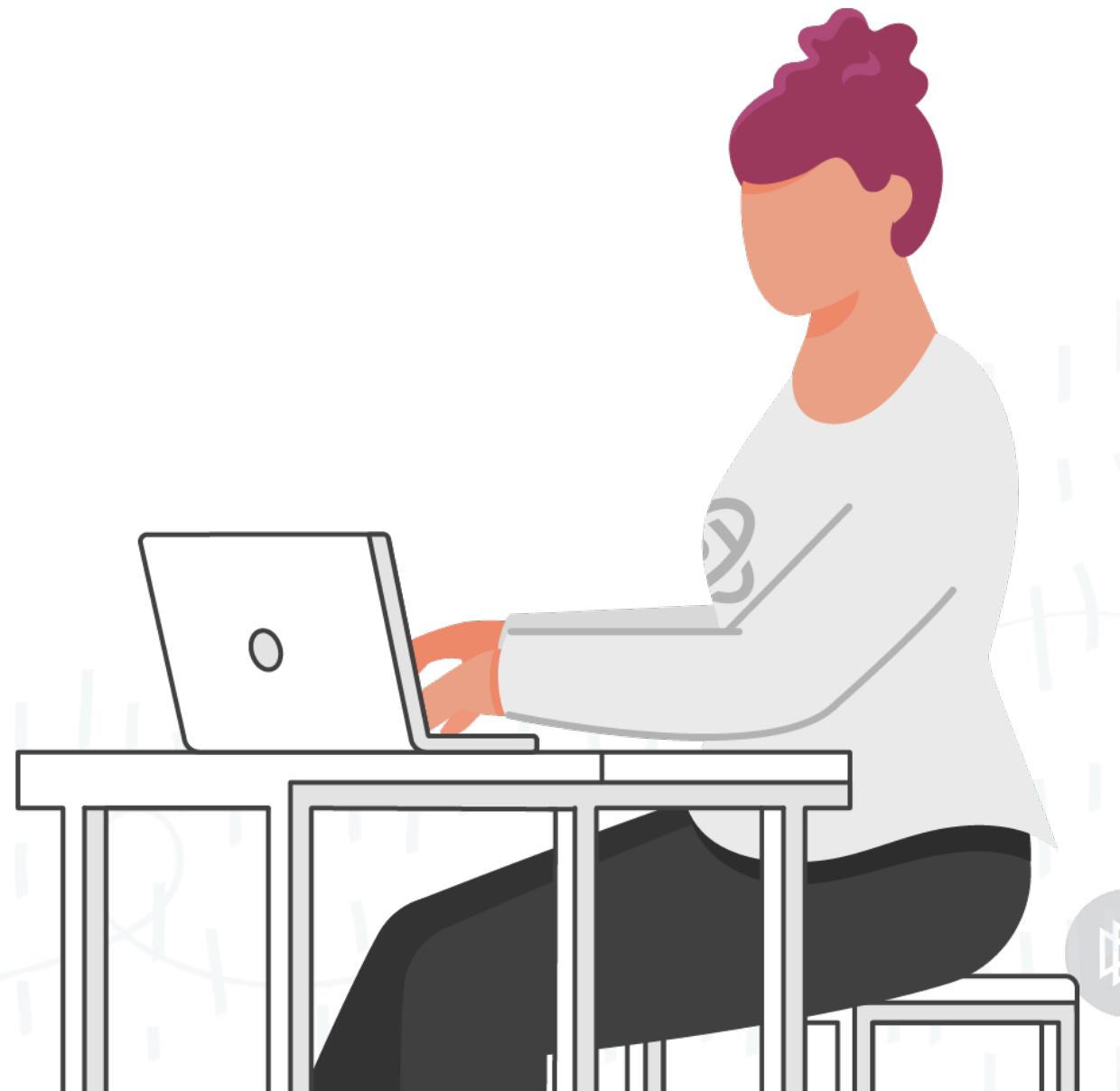
# There are Lots of Screen Sizes

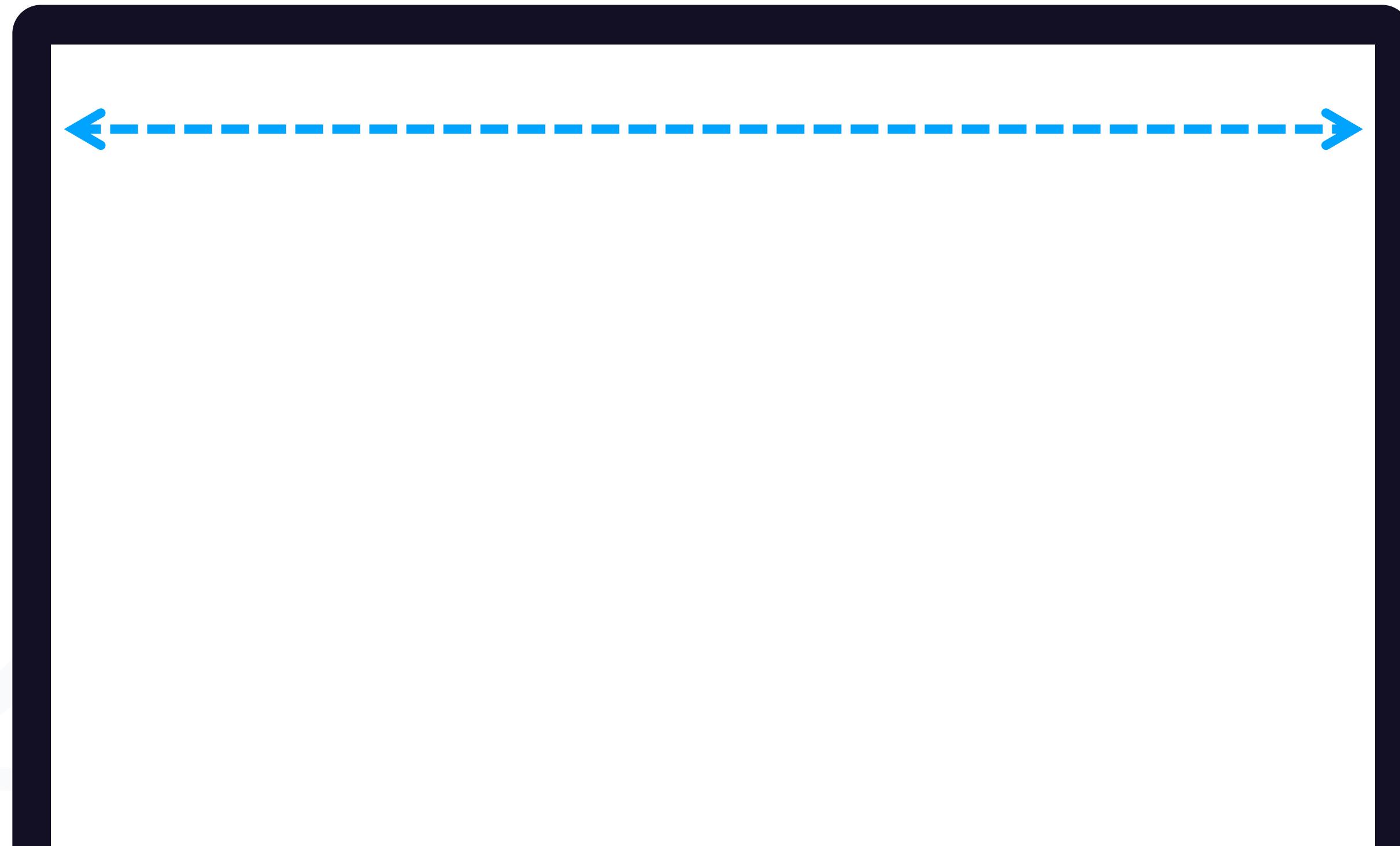
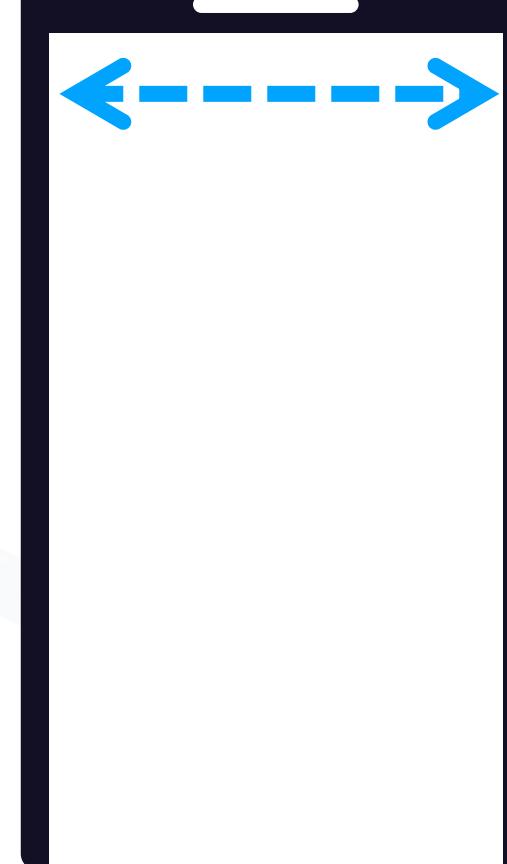


# UX Researcher and UI Designer Collaborate on Designs



# Frontend Developer Implements Designs





**Up Next:**

# **Implementing About Page Layouts**

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# Implementing Responsive Layouts

About Page



**Up Next:**

# **Implementing Header and Footer Layouts**

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# Implementing Responsive Layouts

Global Header and Footer



**Up Next:**

# **Implementing Visit Us Page Layout**

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# Implementing Responsive Layouts

Visit Us



**Up Next:**

# **Implementing Home Page Layout**

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# Implementing Responsive Layouts

Home Page



**Up Next:**

# **Implementing Pies Page Layout**

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# Implementing Responsive Layouts

Pies Page



**Up Next:**

# **Implementing Responsive Layouts Summary**

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# **Implementing Responsive Components**

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