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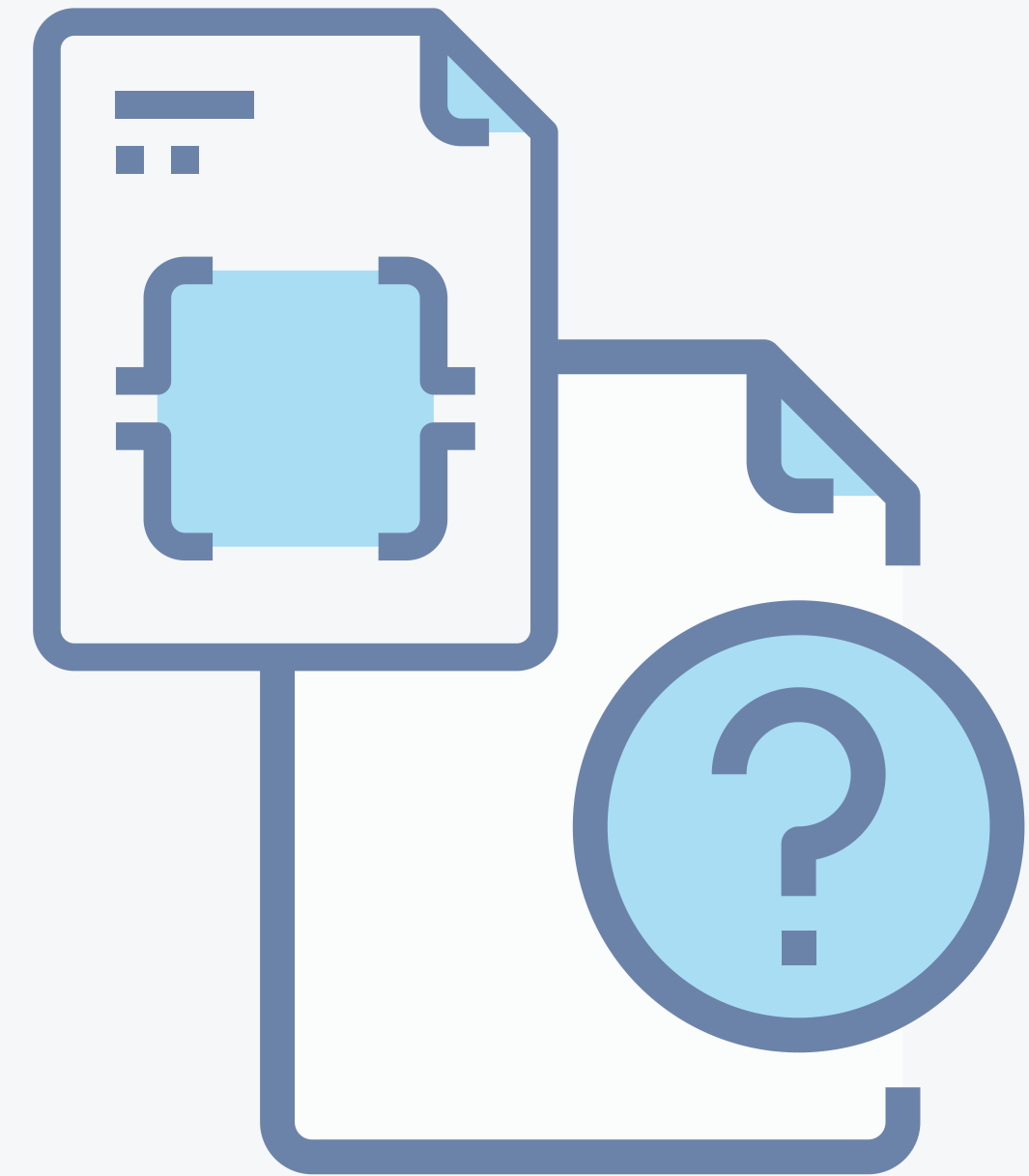
Bootstrap 5

Divisi Web - BTNG 2023 Pertemuan 3

🔍 <https://getbootstrap.com/>

Cakupan Materi

- **Mengenal Bootstrap**
- **Cara Menggunakan Bootstrap**
- **Utilities** dalam Bootstrap
- **Content** dalam Bootstrap
- **Layouts** dalam Bootstrap
- **Components** dalam Bootstrap



Apa itu Bootstrap?

Bootstrap merupakan framework dengan basis HTML, CSS, Javascript untuk pengembangan aplikasi web dengan lebih cepat dan mudah



Framework

Framework adalah sebuah kerangka kerja yang digunakan untuk mengembangkan website.

Dengan menggunakan framework penulisan kode akan jauh lebih mudah, cepat, dan terstruktur rapi.

Bagaimana Cara Menggunakan Bootstrap?

Compiled CSS and JS

Download ready-to-use compiled code for **Bootstrap v5.2.3** to easily drop into your project, which includes:

- Compiled and minified CSS bundles (see [CSS files comparison](#))
- Compiled and minified JavaScript plugins (see [JS files comparison](#))

This doesn't include documentation, source files, or any optional JavaScript dependencies like Popper.

Download

Bagaimana Cara Menggunakan Bootstrap?

CDN via jsDelivr

Skip the download with [jsDelivr](#) to deliver cached version of Bootstrap's compiled CSS and JS to your project.

```
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist/css/bootstrap.min.css" data-bbox="114 614 848 651" type="text/css" />  
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist/js/bootstrap.bundle." data-bbox="114 651 848 689" />
```


Tambahkan Link CDN Bootstrap



```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Belajar Bootstrap</title>
    <!-- CSS Bootstrap -->
    <link
      href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.css"
      rel="stylesheet"
      integrity="sha384-T3c6CoIi6uLrA9TneNEoa7RxnatzjcDSCmG1MXxSR1GAsXEV/Dwwykc2MPK8M2HN"
      crossorigin="anonymous"
    />
  </head>
  <body>
    <!-- JS Bootstrap -->
    <script
      src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/js/bootstrap.bundle.min.js"
      integrity="sha384-C6RzsynM9kWDrmNeT87bh950GNyZPhcTNXj1NW7RuBCsyN/o0jlpcV8Qyq46cDfL"
      crossorigin="anonymous"
    ></script>
  </body>
</html>
```

Utilities pada Bootstrap

Spacing - Margin, Padding

margin : m

padding : p

margin-top : mt

padding-top : pt

margin-bottom : mb

padding-bottom : pb

margin-left/right : ms / me

padding-left/right : ps / pe

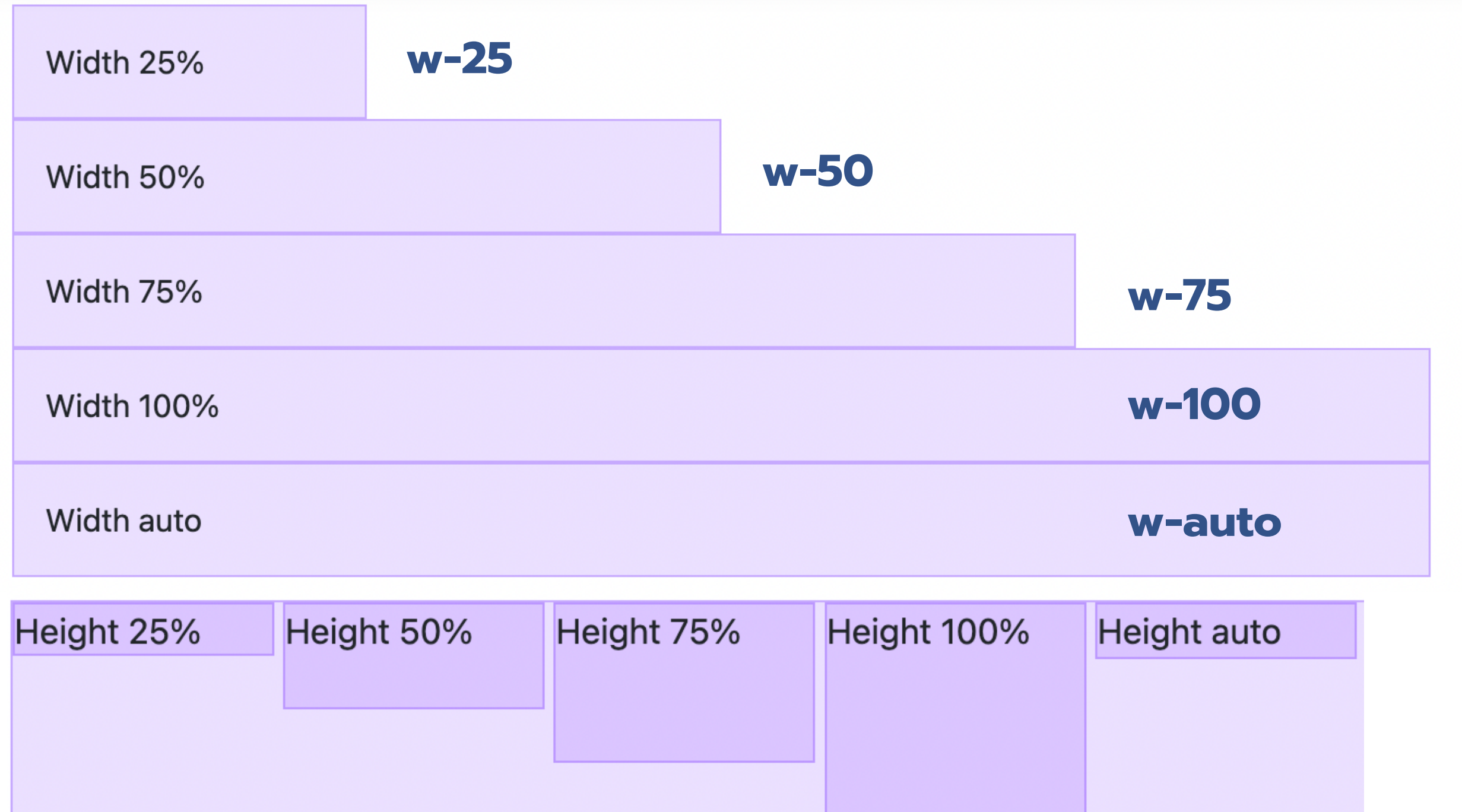
horizontal centering : mx-auto

vertical centering : my-auto

ukuran -> 0-5

contoh: m-1 , m-2

Sizing - Width, Height



Background

.bg-primary

.bg-secondary

.bg-success

.bg-danger

.bg-warning

.bg-info

.bg-light

.bg-dark

Text

text alignment

```
<p class="text-start">  
<p class="text-center">  
<p class="text-end">En
```

text color

text-color, kode
color sama seperti
background

font-size

.fs-1 text

.fs-2 text

.fs-3 text

.fs-4 text

.fs-5 text

.fs-6 text

font-weight

```
<p class="fw-bold">Bold  
<p class="fw-bolder">Bo  
<p class="fw-semibold">  
<p class="fw-normal">No  
<p class="fw-light">Lig  
<p class="fw-lighter">L  
<p class="fst-italic">I  
<p class="fst-normal">T
```

selengkapnya buka dokumentasi saja ya.. 🙌

Flex

I'm a flexbox container!

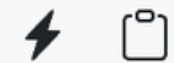
HTML



```
<div class="d-flex p-2">I'm a flexbox container!</div>
```

I'm an inline flexbox container!

HTML



```
<div class="d-inline-flex p-2">I'm an inline flexbox container!</div>
```

selengkapnya buka dokumentasi saja ya.. 🙌

Latihan 1

Buatlah flexbox dengan utilities yang sudah dibahas. Contoh:

flex

Kotak 1

Kotak 2

Kotak 3

flex-row-reverse

Kotak 3

Kotak 2

Kotak 1

justify-content-between

Kotak 1

Kotak 2

Kotak 3

justify-content-around

Kotak 1

Kotak 2

Kotak 3

Isabel Mercado

Phyllis Schwaige

Border

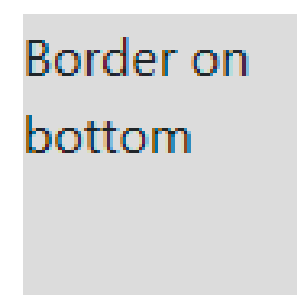
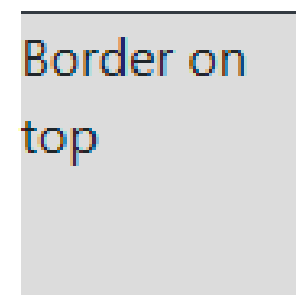
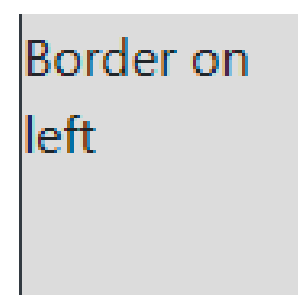
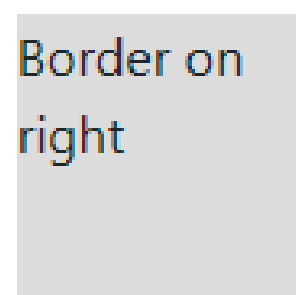
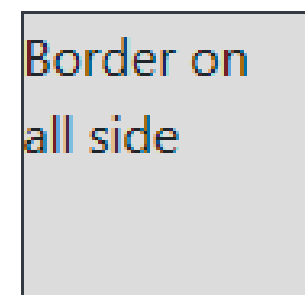
additive

```
<span class="border"></span>
<span class="border-top"></span>
<span class="border-end"></span>
<span class="border-bottom"></span>
<span class="border-start"></span>
```

subtractive

or

```
<span class="border border-0"></span>
<span class="border border-top-0"></span>
<span class="border border-end-0"></span>
<span class="border border-bottom-0"></span>
<span class="border border-start-0"></span>
```



Border

.border-1

.border-2

.border-3

.border-4

.border-5

ukuran border

.border-
primary

.border-
secondary

.border-
success

.border-
danger

.border-
warning

.border-
info

warna border

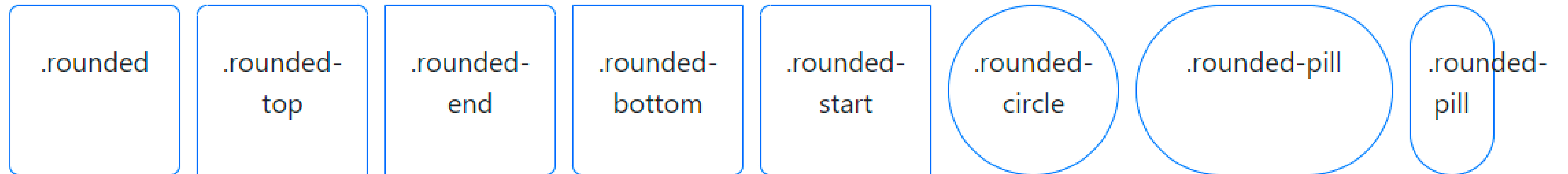
.border-
light

.border-
dark

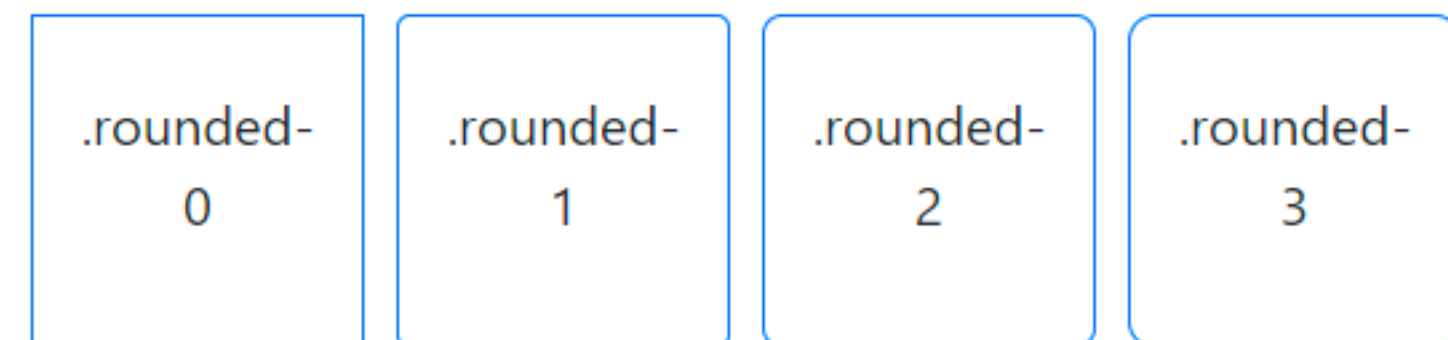
.border-
white

Border Radius

rounded corner



besar radius



Shadow

```
<div class="shadow-none p-3 mb-5 bg-light rounded">No shadow</div>  
<div class="shadow-sm p-3 mb-5 bg-body rounded">Small shadow</div>  
<div class="shadow p-3 mb-5 bg-body rounded">Regular shadow</div>  
<div class="shadow-lg p-3 mb-5 bg-body rounded">Larger shadow</div>
```

Small shadow

Regular shadow

Larger shadow

Layouts pada Bootstrap

Grid System

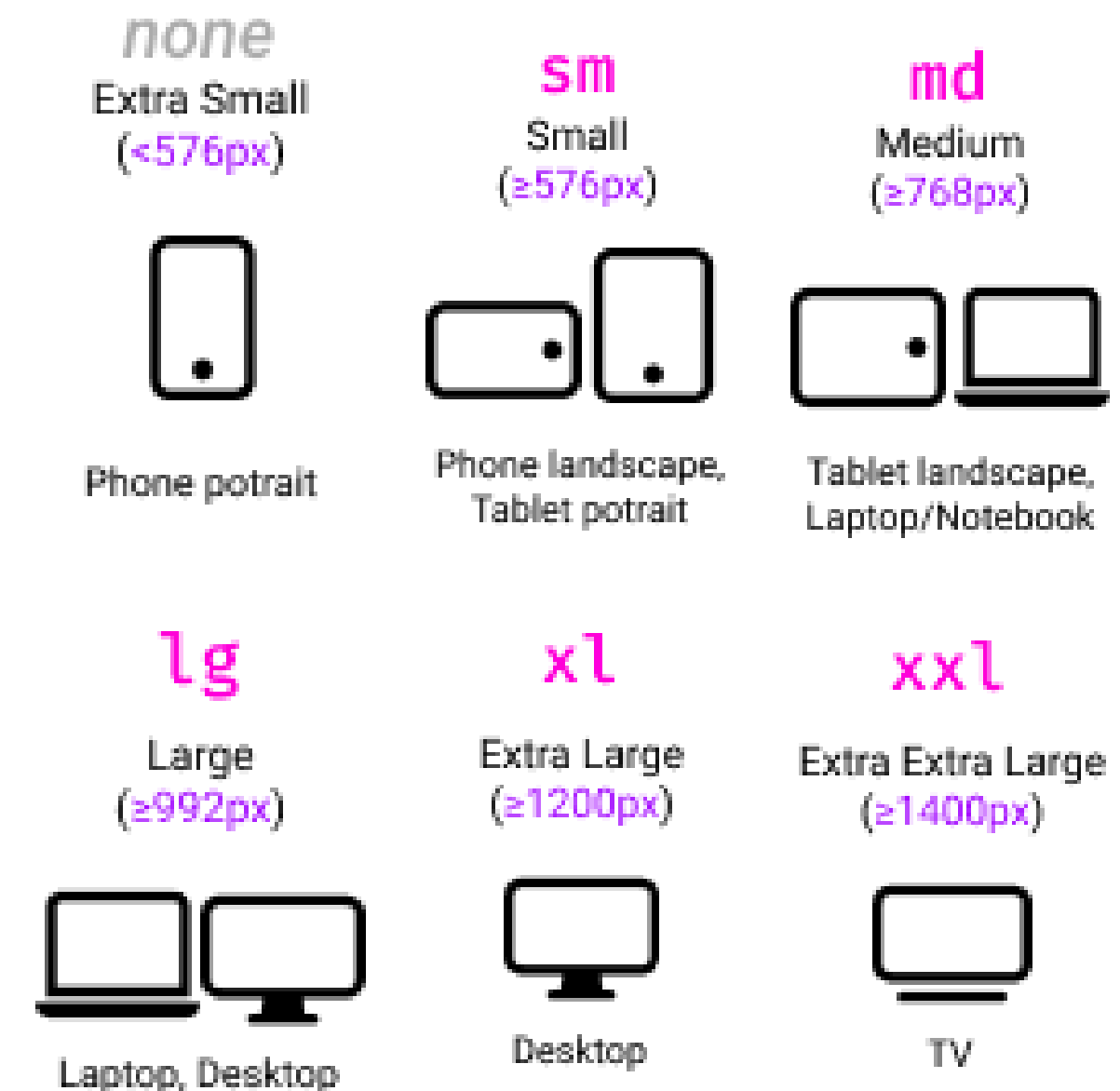
Sistem Grid adalah sistem yang digunakan Bootstrap untuk mengatur tata letak (layout). Sistem ini terdiri dari 12 kolom dan 6 breakpoint.

span 1	span 1	span 1	span 1	span 1	span 1	span 1	span 1	span 1	span 1	span 1	span 1
span 4				span 4				span 4			
span 4				span 8							
span 6						span 6					
span 12											

Breakpoint

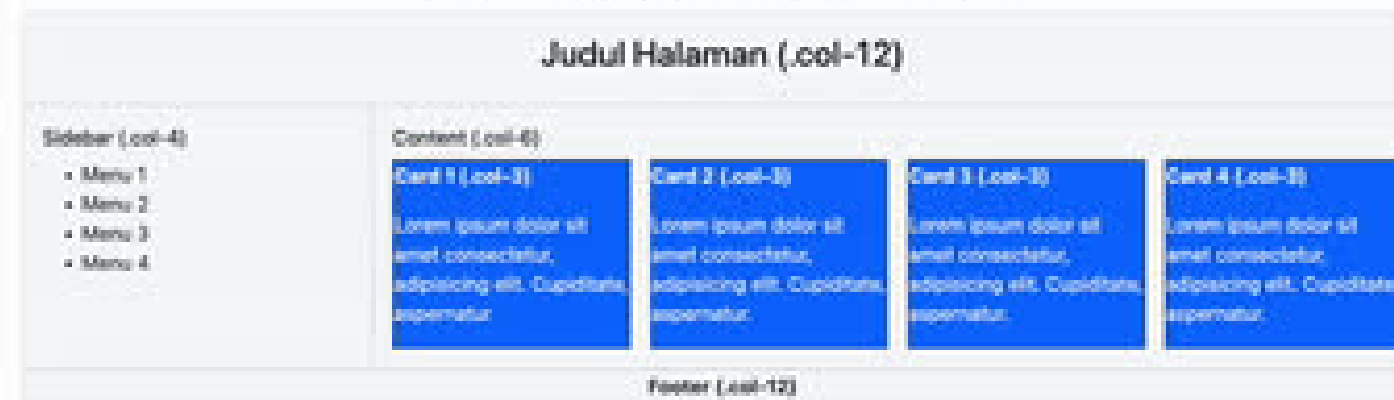
Breakpoint adalah ukuran lebar yang menentukan tampilan responsif terhadap ukuran viewport perangkat tertentu.

Breakpoint	Class infix	Dimensions
Extra small	<i>None</i>	<576px
Small	sm	≥576px
Medium	md	≥768px
Large	lg	≥992px
Extra large	xl	≥1200px
Extra extra large	xxl	≥1400px



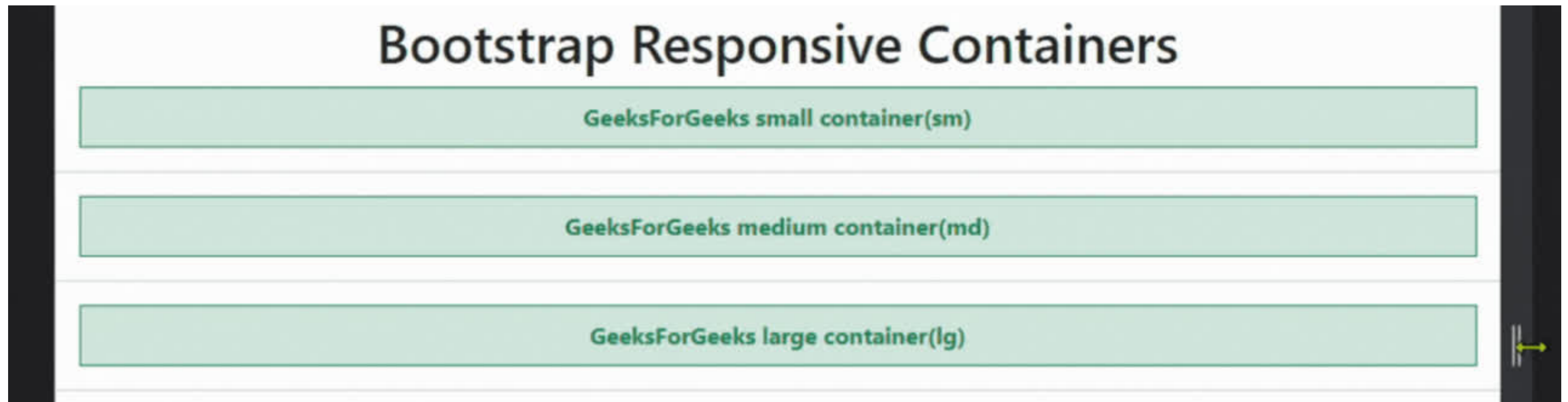
Breakpoint

Breakpoint pada Bootstrap



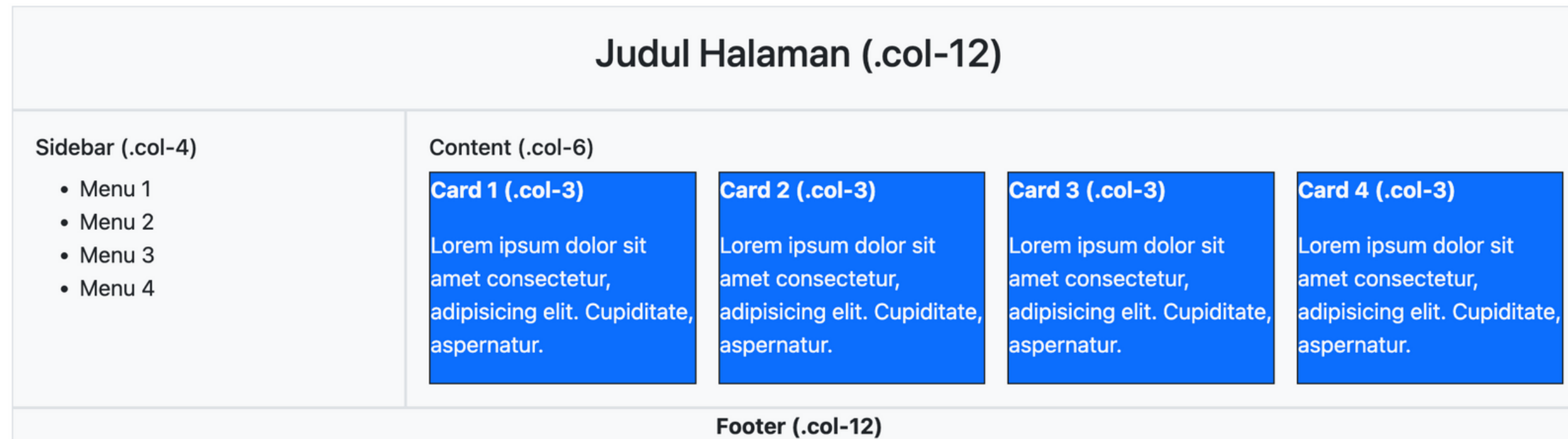
Container pada Bootstrap

Container berfungsi untuk membungkus blok di dalamnya, sehingga terlihat rapi terhadap ukuran layar.



Latihan 2

Buatlah layout responsive seperti pada contoh di bawah ini



Components pada Bootstrap

Components pada Bootstrap

<https://www.figma.com/file/0jkGl7bNbuqK444l7r5P7a/Landing-Page---BTNG-2023?type=design&node-id=0%3A1&mode=design&t=Svlo6Z9vgyDpAKgz-1>

<https://fonts.google.com/>

<https://cdnjs.com/libraries/font-awesome>

Thank You!