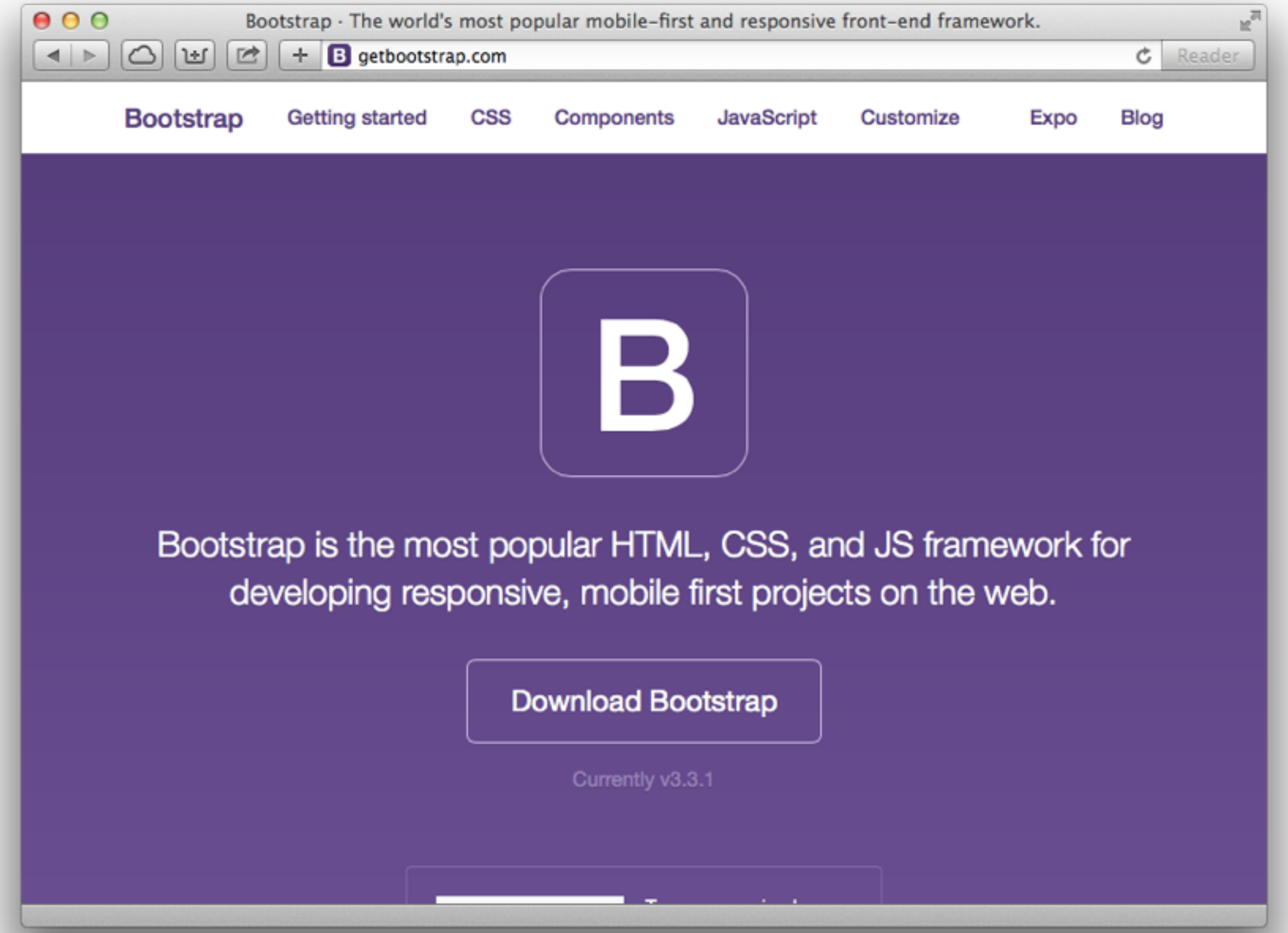
bootstrap

Bootstrap Framework



Couple rules about Bootstrap

- Bootstrap is a **starting point** for developing web project. (The native styles are pretty ugly.)
- Don't hesitate to **override built-in styles**. That's the point!

AQUA-BARRIER A/S

How does Bootstrap work?

Bootstrap is a series of pre-built CSS **classes:**

```
<div class="container"></div>
```

```
<button class="btn btn-default"></button>
```

```
<img class="img-responsive" />
```

img-responsive

```
<img class="img-responsive" />
```

images will conform to the size of their container, but will not become larger than their native maximum size.

Bootstrap Layout

Everything should be in a container

```
<div class="container"></div>
```

```
<div class="container-fluid"></div>
```

Everything should be in a container

```
<div class="container">
```

Website Code Here

```
</div>
```

Everything should be in a container

```
<div class="container-fluid">
```

Website Code Here

```
</div>
```


Search or enter website name

ONLINE NEWS PACKAGES

UC Berkeley Graduate School of Journalism. Spring 2015.

This document available at: http://bit.ly/sp15-onp

In this course, students will design and build online news packages for desktop and mobile web from the ground up. The course will be a mix of concept and practical application of digital news design. Students will learn to develop prototypes, iterate design concepts and code the HTML, CSS and JavaScript to implement their vision.

This course is to be taken concurrently with Advanced Visual Journalism. The visual narratives created in that class will be the basis for much of the design and production work in this course.

This syllabus is fluid and will change. You are responsible for checking for updates regularly.

Professors:

- Jeremy Rue, jrue at Berkeley (Office Hours: Wednesdays from 1-4pm by appointment preferred)
- Josh Williams, sjwilliams at Berkeley (Office Hours: By appointment in downtown SF)

When/Where

Mondays, 6–9 p.m. Lower Newsroom.
(Class will officially begin at 6:15 to allow for time to get some food before we begin. 6:15 is the cutoff, please don't be late.)

Required Software

- Google Chrome
- Sublime Text 2 Editor (not version 3)
- Cyberduck FTP Client (Recommended. Also: Transmit, Fetch, many others)

Required Reading

Search or enter website name

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Required Reading

- HTML & CSS by Jon Duckett (via Amazon)

Suggested Resources

- Designing with Web Standards (Third Edition)
- Don't Make Me Think
- Sitepoint Reference (+ Basic Structure)
- Codecademy
- Data Journalism & Graphics Internships
- News Nerd Jobs

Attendance and Class Policies

You can combine the two

```
<div class="container-fluid">
```

Part of your website here.

```
</div>

<div class="container">
```

Another part of your website

```
</div>
```

Search or enter website name

ONLINE NEWS PACKAGES

UC Berkeley Graduate School of Journalism. Spring 2015.

This document available at: http://bit.ly/sp15-onp

In this course, students will design and build online news packages for desktop and mobile web from the ground up. The course will be a mix of concept and practical application of digital news design. Students will learn to develop prototypes, iterate design concepts and code the HTML, CSS and JavaScript to implement their vision.

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Required Software

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- Cyberduck FTP Client (Recommended. Also: Transmit, Fetch, many others)

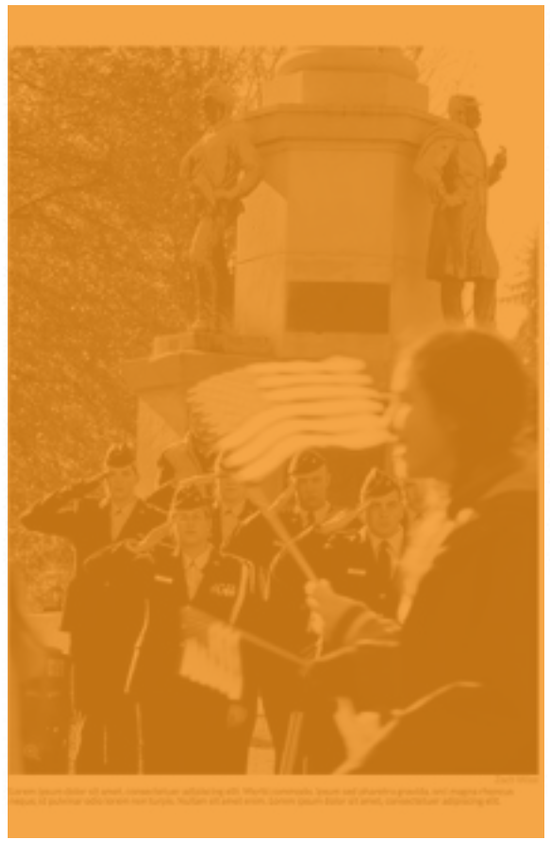
Required Reading

```
<div class="container-fluid">
    <h1>Online News Packages</h1>
    <h2>UC Berkeley Graduate…</h2>
</div>

<div class="container">
    <p>In this course students
    will design and build online
    news packages for desktop and
    mobile…</p>
</div>
```

Exercise 1

Grid System



VETERAN'S DAY

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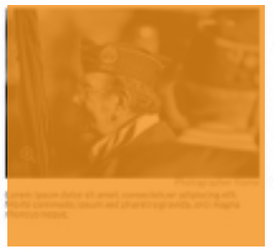

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8 col

4 col

4 col

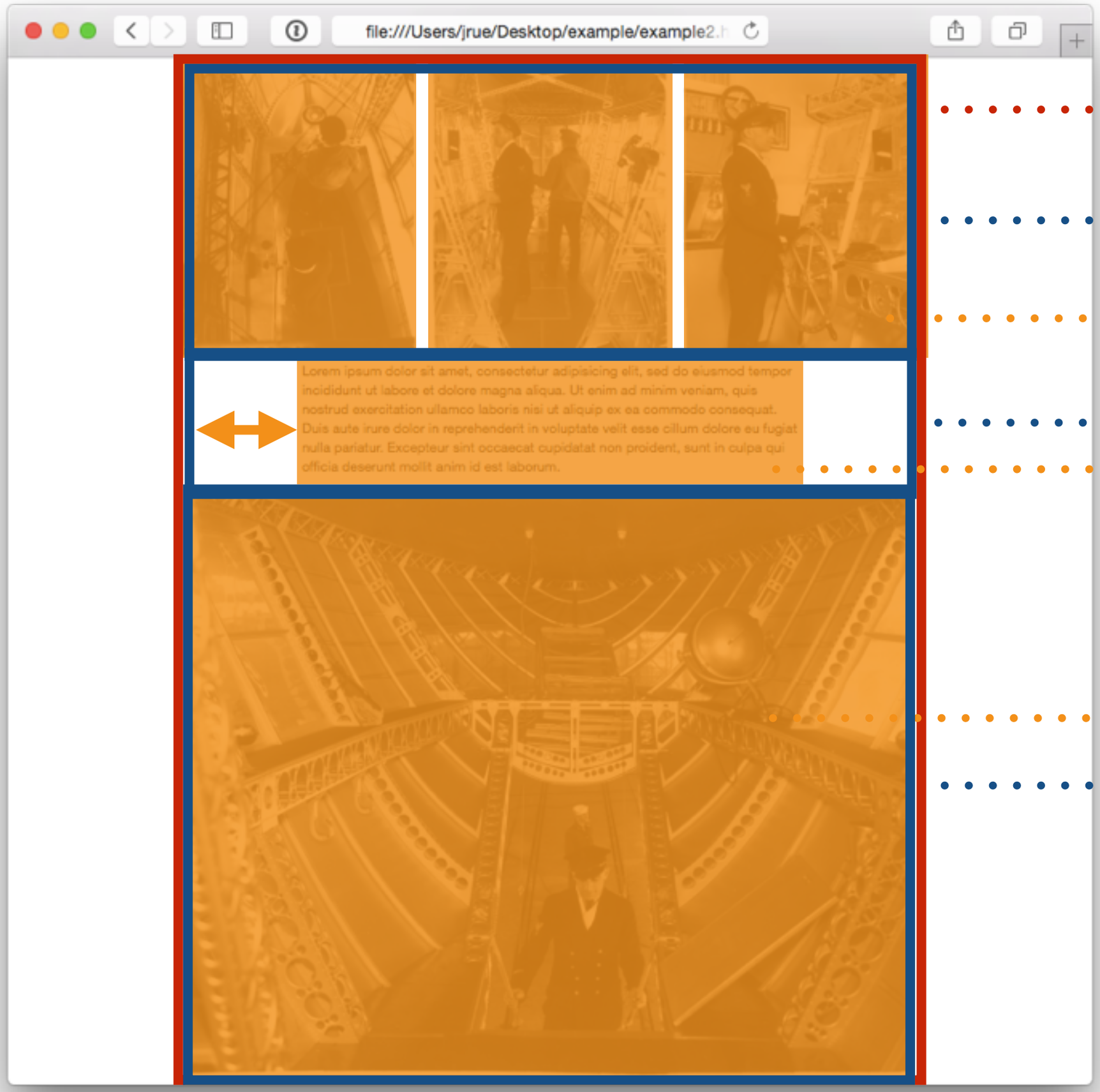
4 col

4 col

offset 2 col

8 col

12 col



container

row

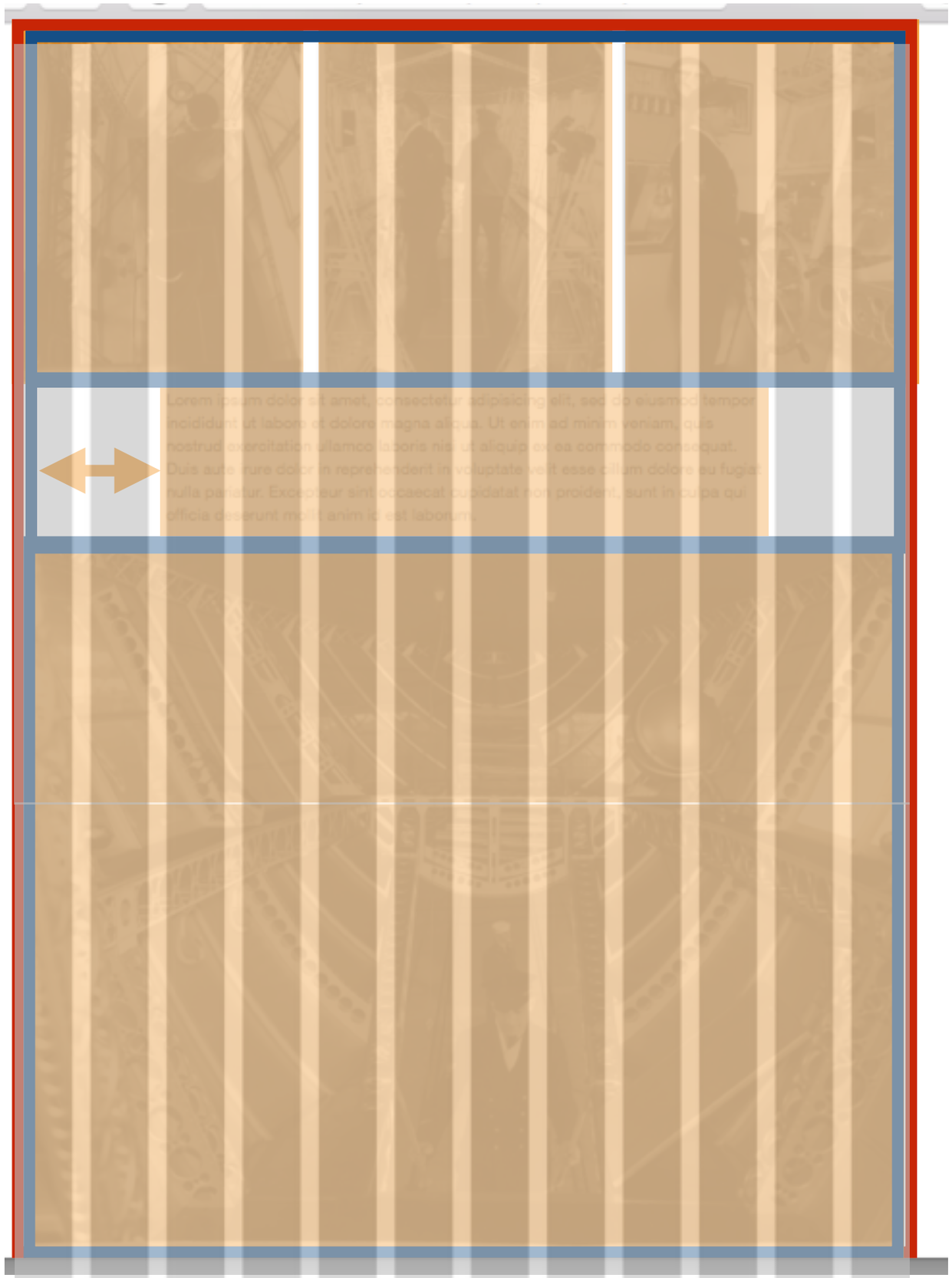
columns

row

columns

columns

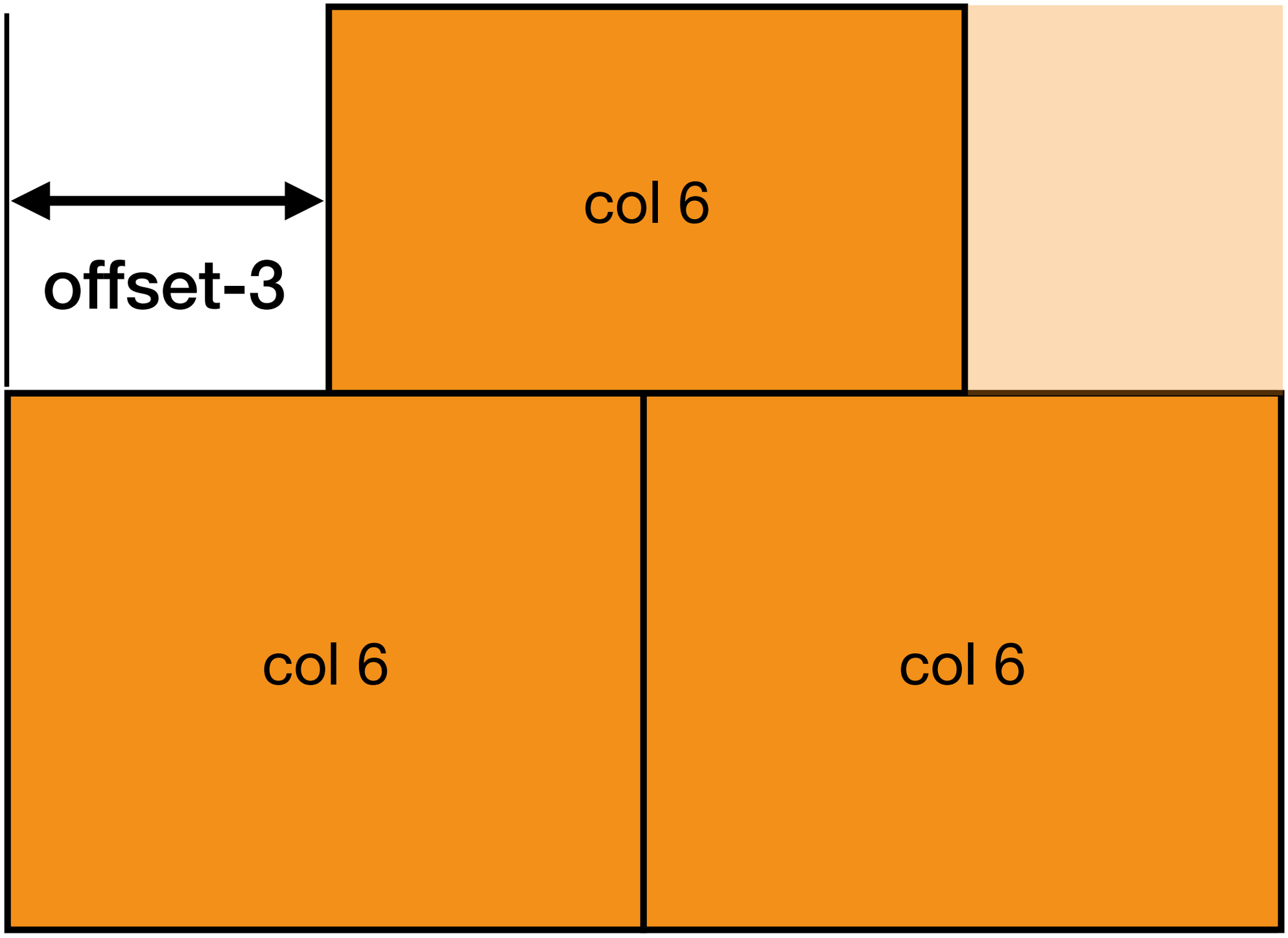
row



```
<div class="container">

    <div class="row">

      <div class="col-sm-4"></div>
      <div class="col-sm-4"></div>
      <div class="col-sm-4"></div>

    </div>

    <div class="row">

      <div class="col-sm-8
                  col-sm-offset-2">
      </div>

    </div>

    <div class="row">

      <div class="col-sm-12">
      </div>

    </div>

</div>
```

Offsets

Offsets



What does it look like in code?

```
<div class="container">
    <div class="row">

      <div class="col-sm-6 col-sm-offset-3">
      </div>

    </div>
    <div class="row">
        <div class="col-sm-6"></div>
        <div class="col-sm-6"></div>
    </div>

</div>
```

Pop Quiz

To use the grid system, what CSS class should *everything* be initially wrapped in?

```
<div class="container"></div>
```

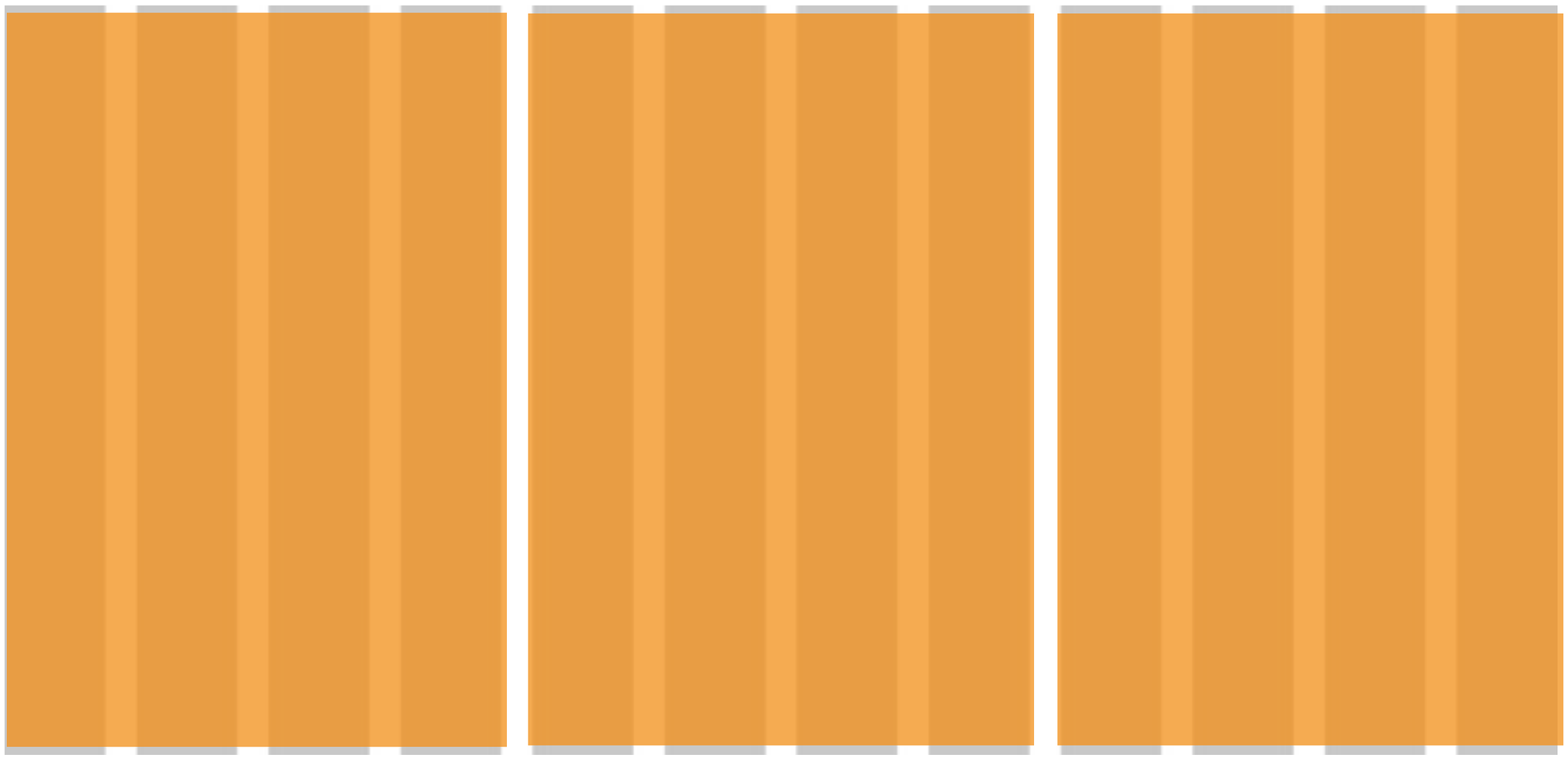
OR

```
<div class="container-fluid"></div>
```

In the grid system, what class should the columns be wrapped in?

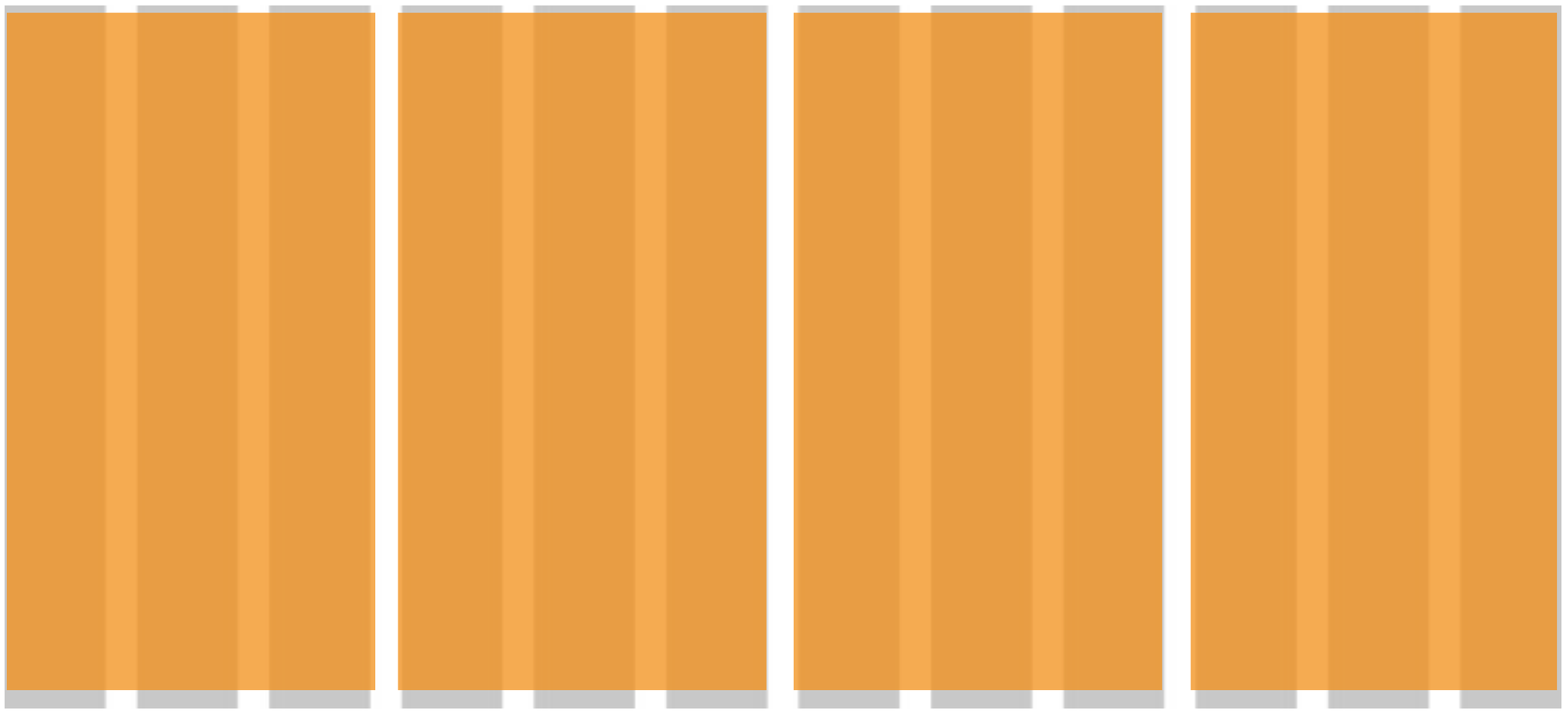
```
<div class="row"></div>
```

Describe the class for these columns. (Gray area for reference)



```
<div class="col-sm-4"></div>
<div class="col-sm-4"></div>
<div class="col-sm-4"></div>
```

Describe the class for these columns. (Gray area for reference)

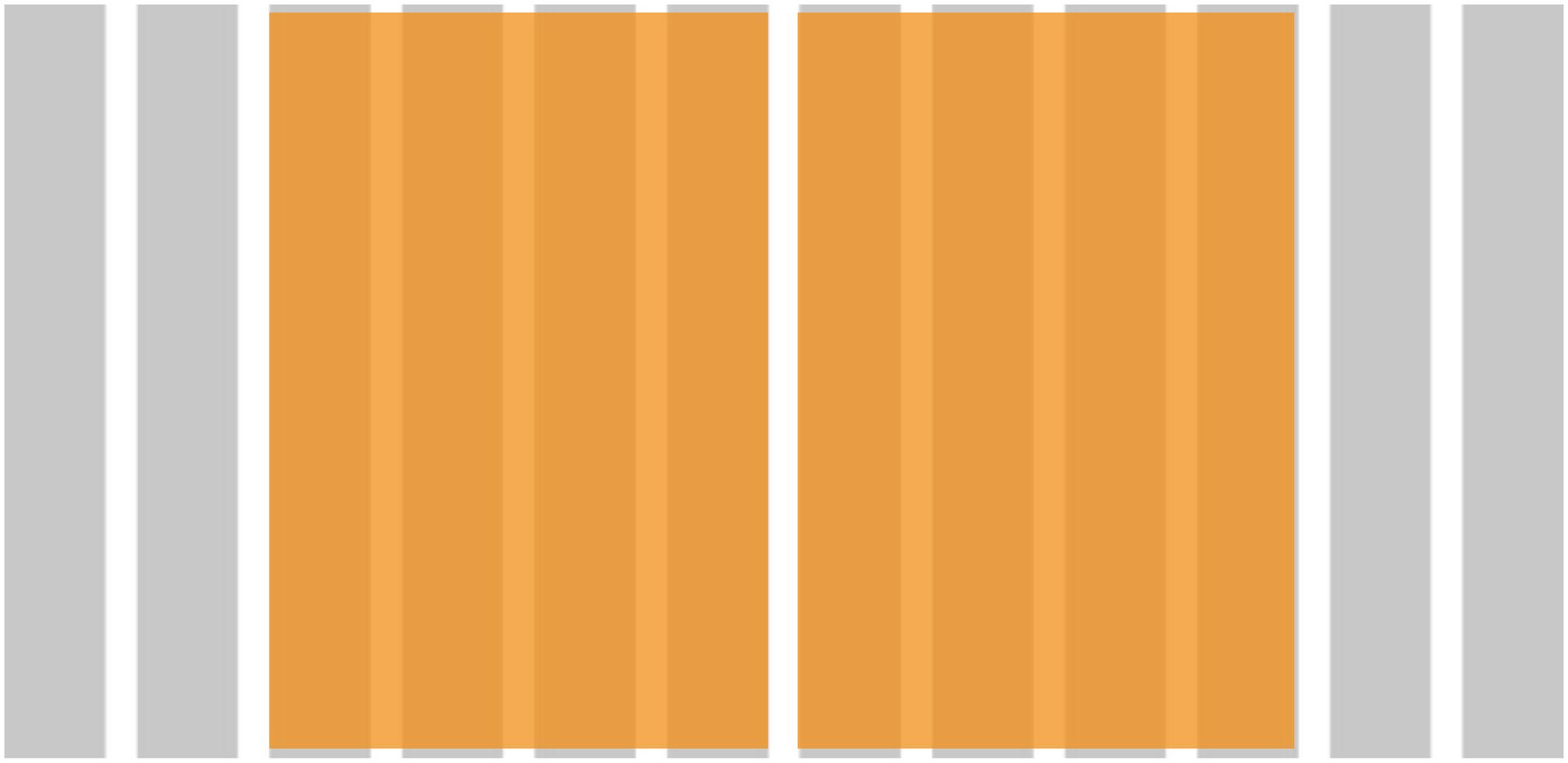


```
<div class="col-sm-3"></div>
<div class="col-sm-3"></div>
<div class="col-sm-3"></div>
<div class="col-sm-3"></div>
```

Describe the class for this one column. (Gray area for reference)

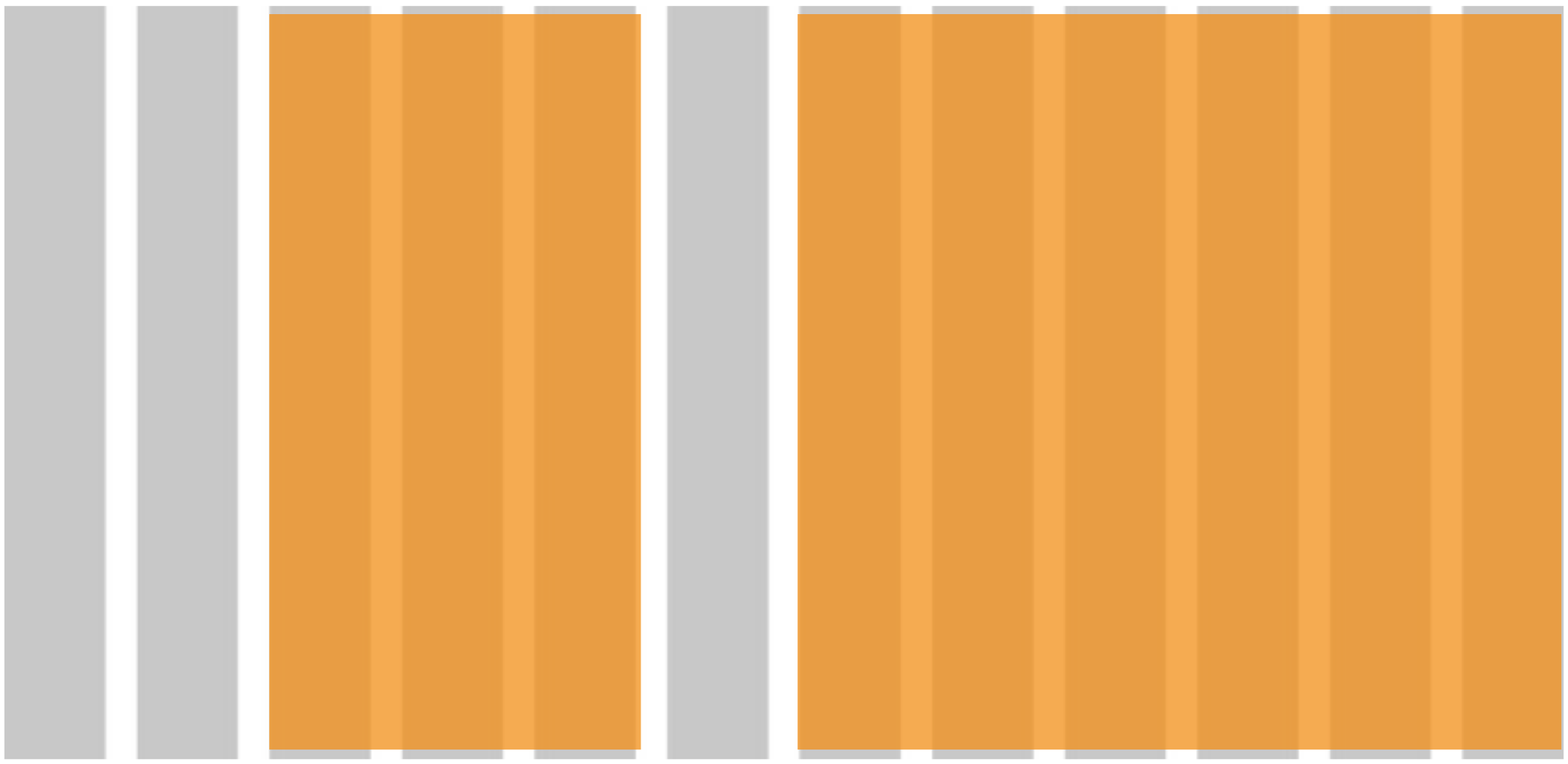
```
<div class="col-sm-6 col-sm-offset-5"></div>
```

Describe the class for these columns. (Gray area for reference)



```
<div class="col-sm-4 col-sm-offset-2"></div>
<div class="col-sm-4"></div>
```

Describe the class for these columns. (Gray area for reference)



```
<div class="col-sm-3 col-sm-offset-2"></div>
<div class="col-sm-6 col-sm-offset-1"></div>
```

Describe the class for these columns. (Gray area for reference)

```
<div class="col-sm-5"></div>
<div class="col-sm-5 col-sm-offset-2"></div>
```

Describe the class for these columns. (Gray area for reference)

```
<div class="col-sm-2 col-sm-offset-1"></div>
<div class="col-sm-6"></div>
<div class="col-sm-2"></div>
```

Nested Grid

row

row

row

row

960gs12.jpg (800×680)

New Tab

Berkeley Journalism
UC BERKELEY / GRADUATE SCHOOL OF JOURNALISM

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member and
Professor Ken Light
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eye on social issues
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This is only the second time that a university-led

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Writing

Is This the End of One of the World's Harshest Abortion Laws? by Erica Hellerstein
class of 2014

The Atlantic

Science and Environment

Berkeley's Graduate School of Journalism is offering eight $10,000 fellowships to early career journalists with ambitious stories to report on food and agriculture.

Nested grids

Row

What does it look like in code?

```
<div class="container">
    <div class="row">
        <div class="col-sm-8">
            <div class="row">
                <div class="col-sm-4"></div>
                <div class="col-sm-4"></div>
                <div class="col-sm-4"></div>

            </div>
        </div>
        <div class="col-sm-4"></div>
    </div>
</div>
```

Rules

- Everything needs to be in **container** or **container-fluid**.
- **ROW** divs must immediately precede **COLUMN** divs.
- Columns can add up **to less than 12.** (As long as it's all in a row, it will know to leave extra space on the right.)
- If nesting inside a column, add a new **ROW**, and the columns reset to 12 within that column.

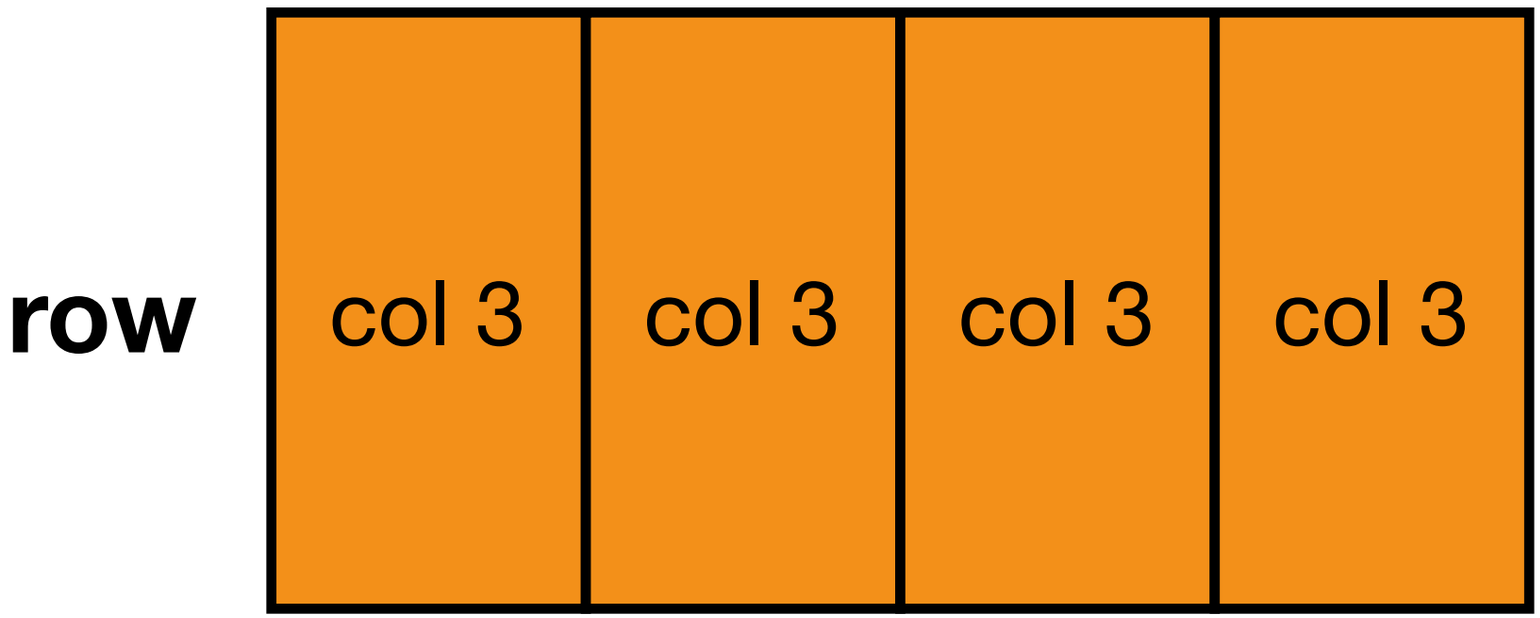
Responsiveness

Responsiveness

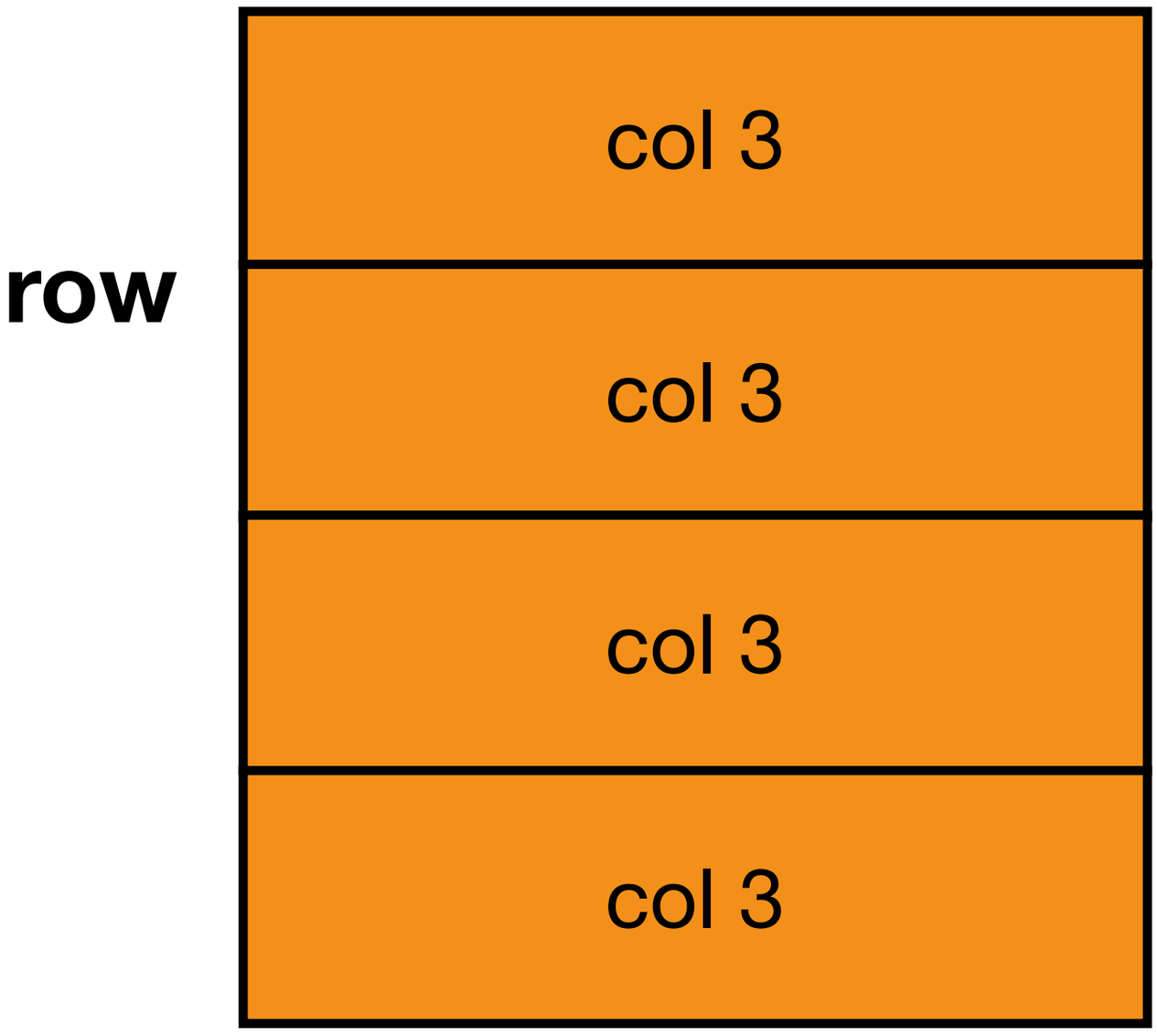
row

col 3	col 3	col 3	col 3

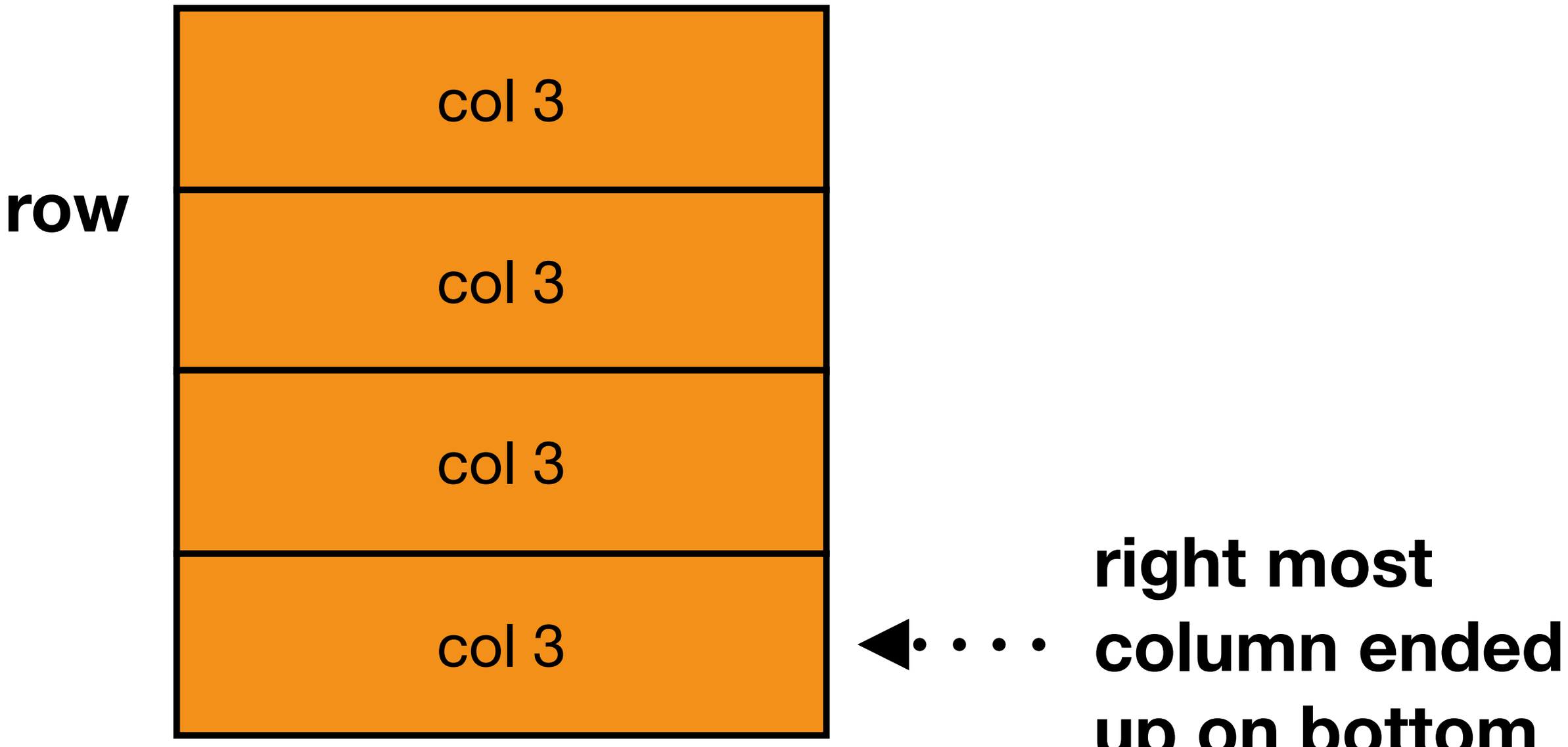
Responsiveness

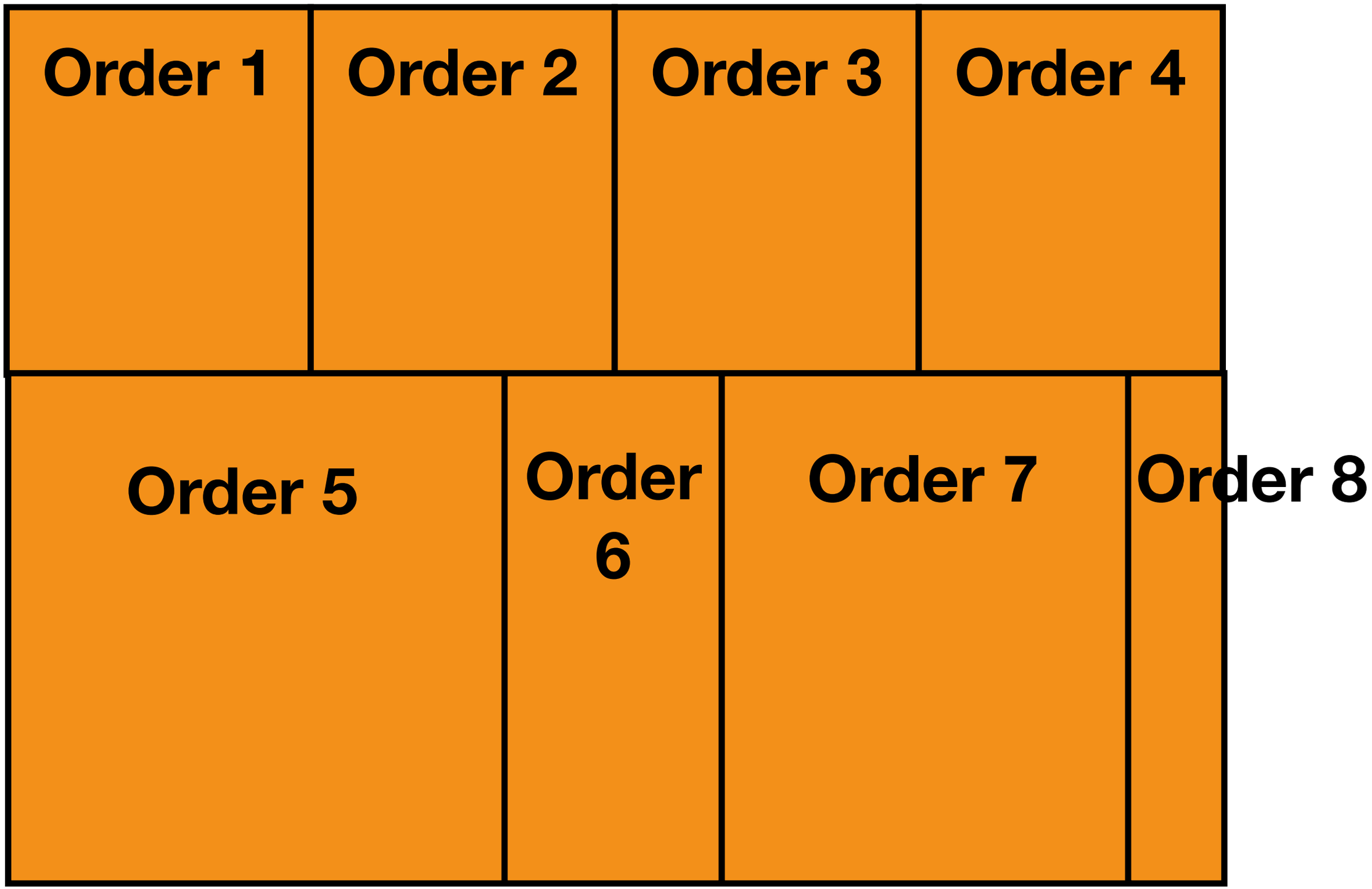


Responsiveness



Responsiveness




Order 1
Order 2
Order 3
Order 4
Order 5
Order 6
Order 7
Order 8

Order 1

Order 2

Order 3

Order 4

Order 5

Order 6

Order 7

Order 8

WHEN should columns stack?

col-xs-	never
col-sm-	750px
col-md-	970px
col-lg-	1170px

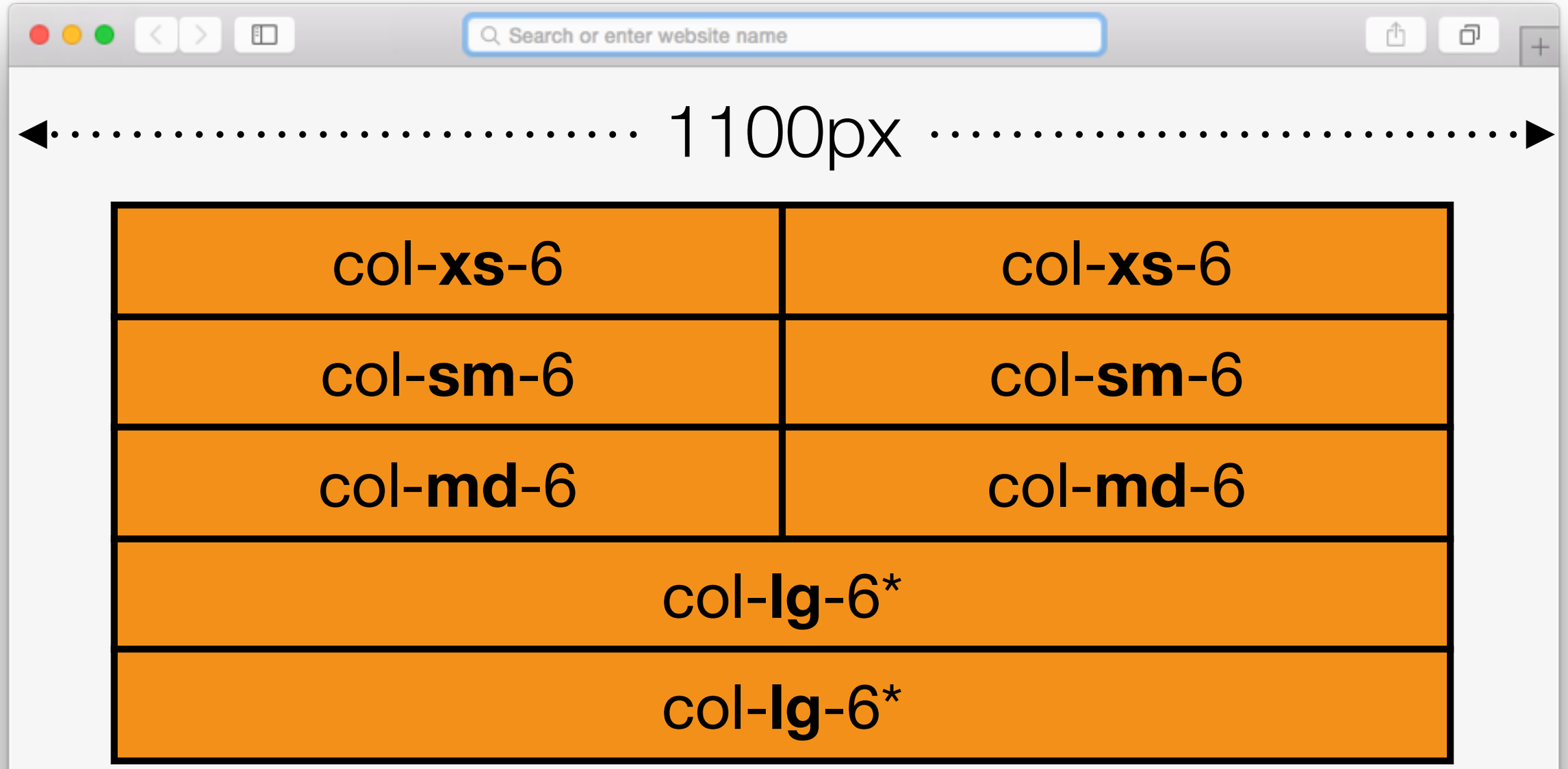
WHEN should they stack?

Search or enter website name

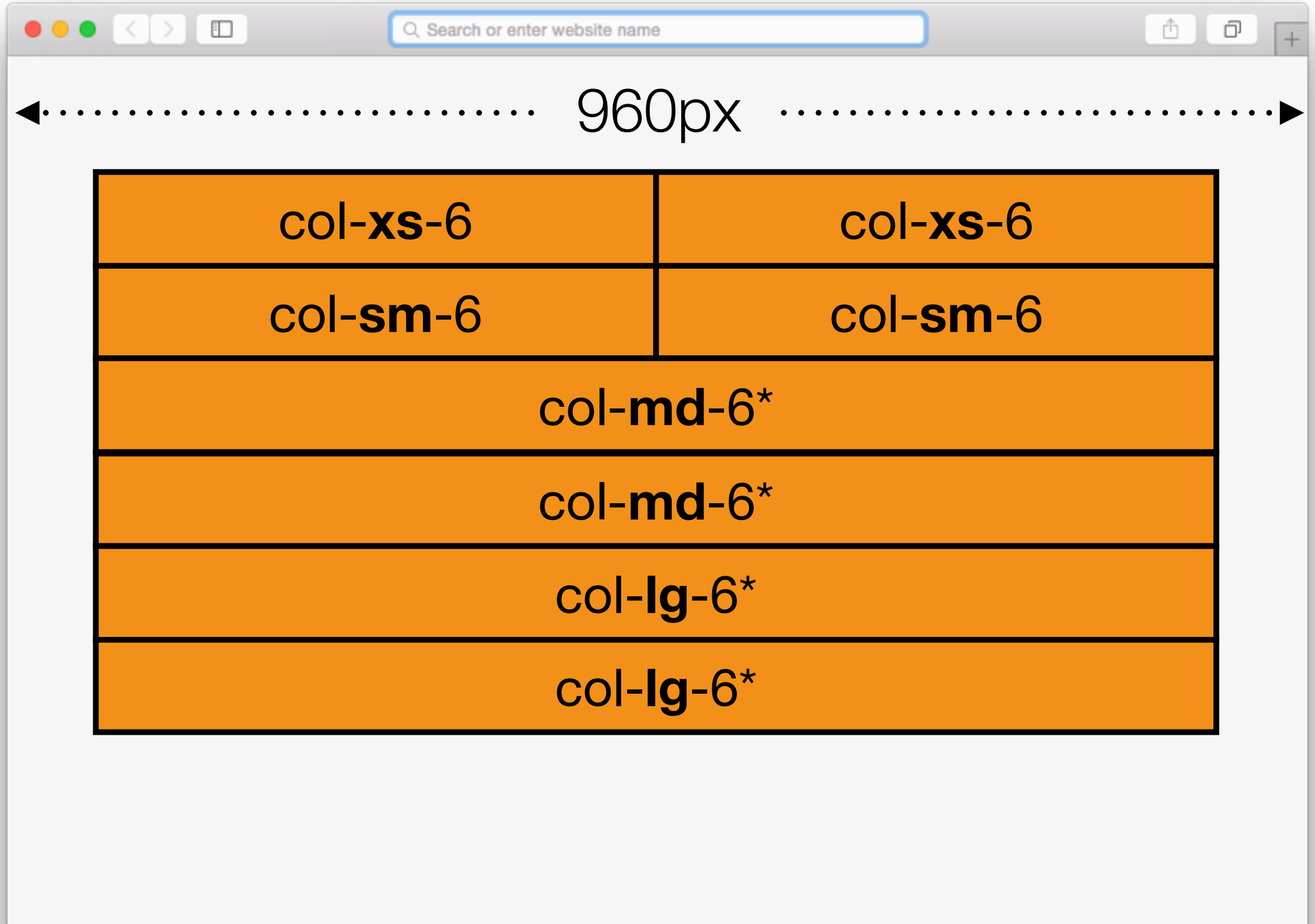
1200px

col-**xs**-6	col-**xs**-6
col-**sm**-6	col-**sm**-6
col-**md**-6	col-**md**-6
col-**lg**-6	col-**lg**-6

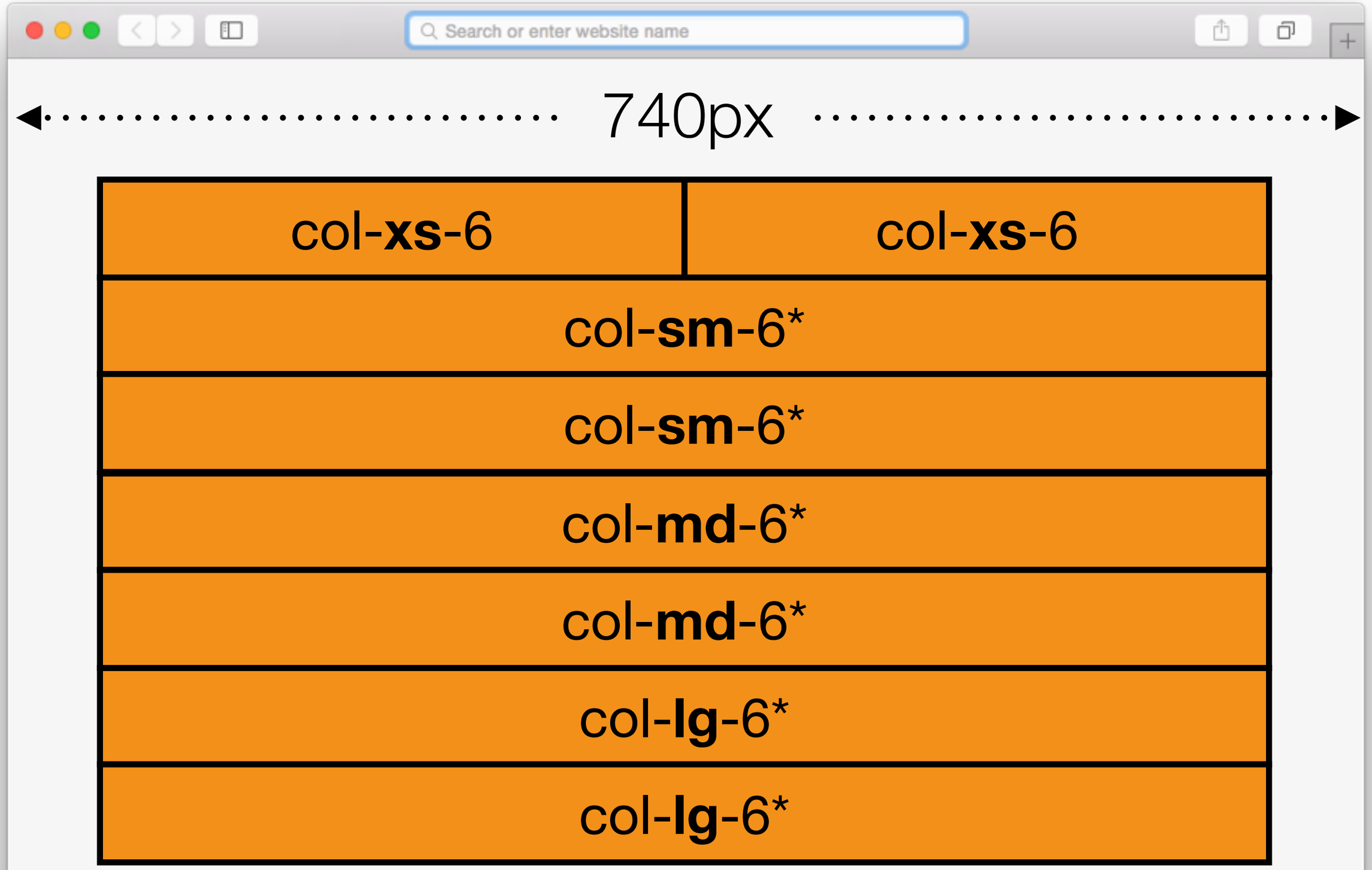
WHEN should they stack?



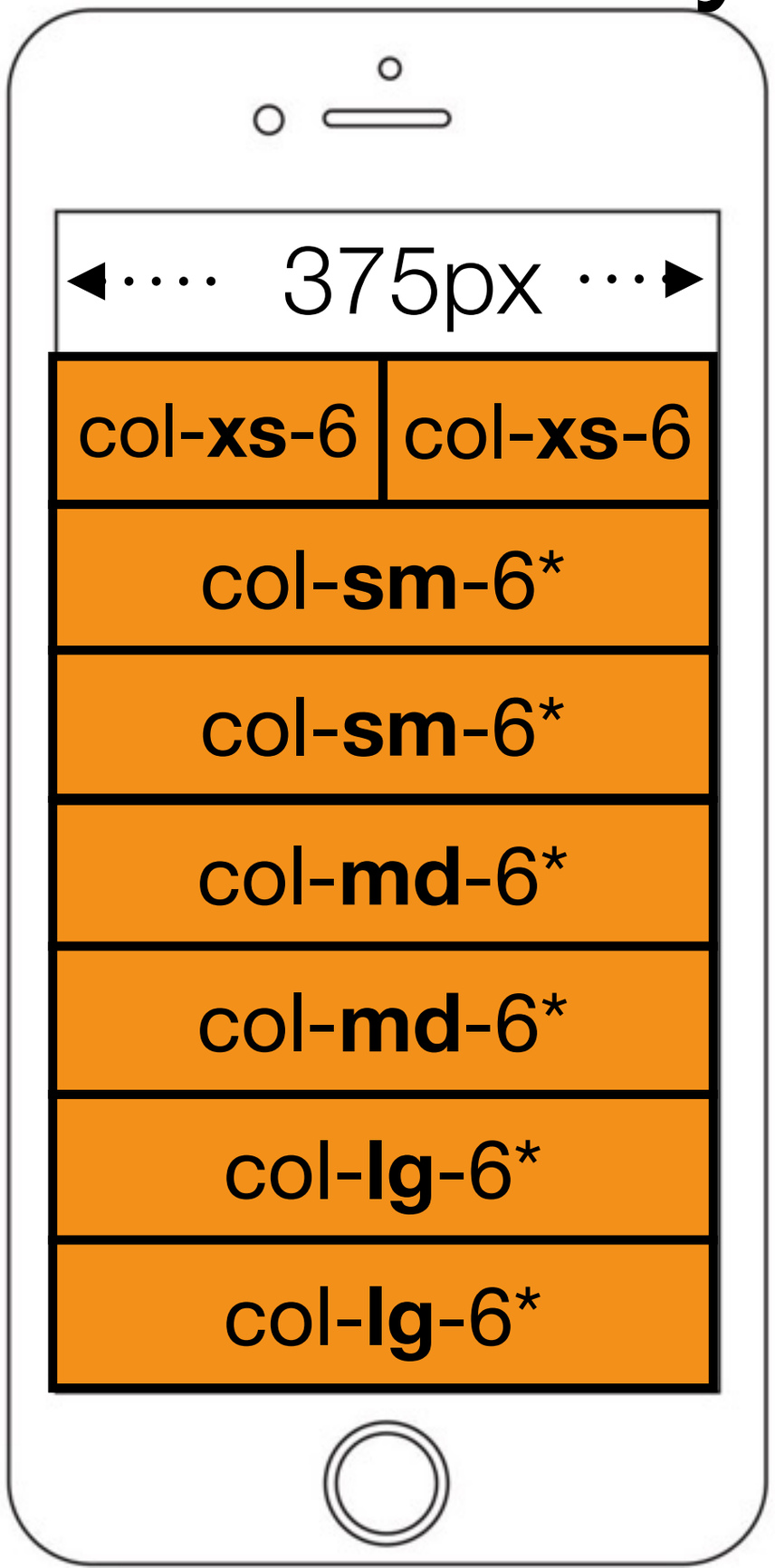
WHEN should they stack?



WHEN should they stack?



WHEN should they stack?

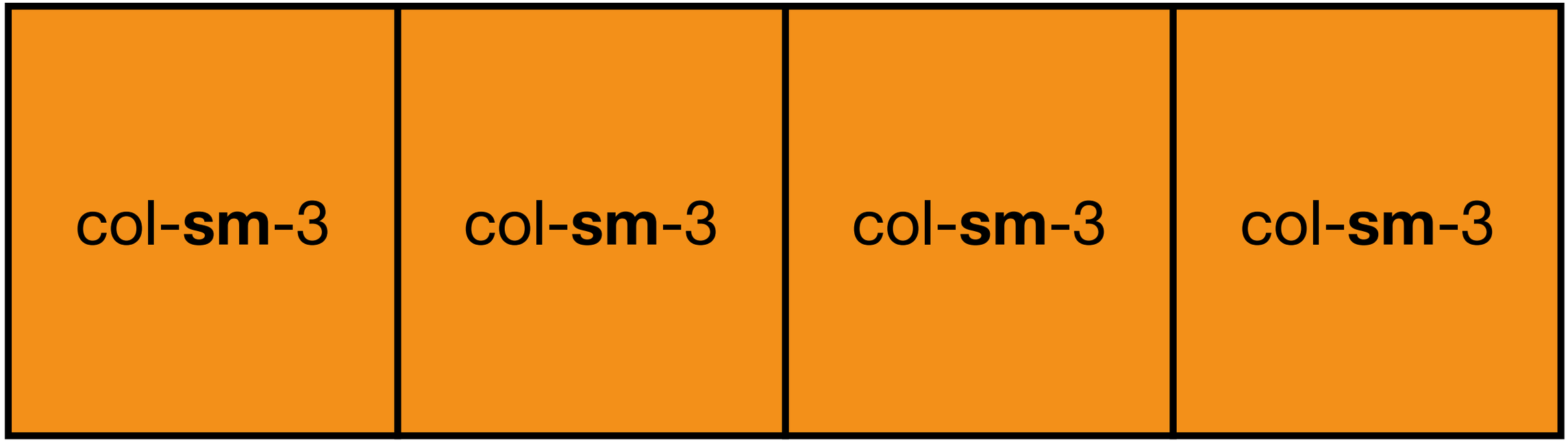


WHEN should columns stack?

col-xs-	never
col-sm-	750px
col-md-	970px
col-lg-	1170px

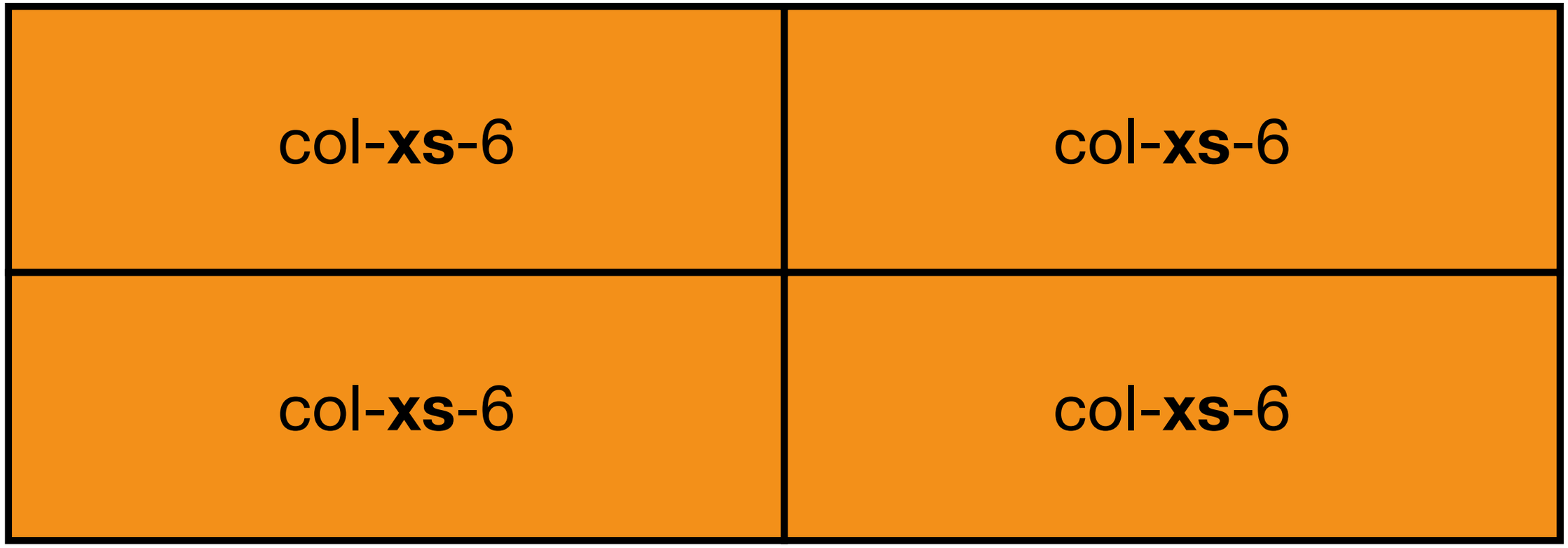
```
<div class="col-sm-3 col-xs-6"></div>
<div class="col-sm-3 col-xs-6"></div>
<div class="col-sm-3 col-xs-6"></div>
<div class="col-sm-3 col-xs-6"></div>
```

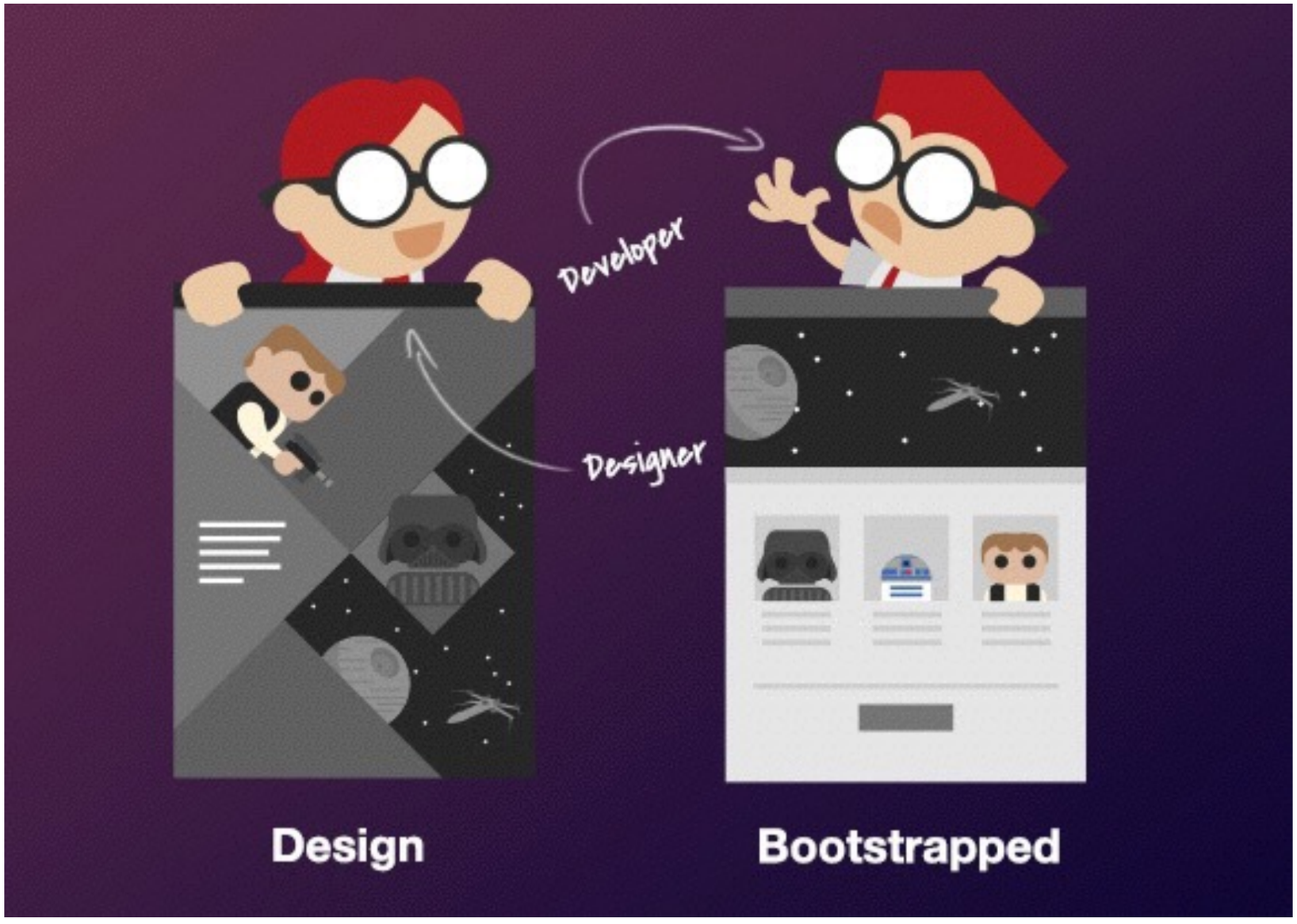
◀····· 760px ·····▶



```
<div class="col-sm-3 col-xs-6"></div>
<div class="col-sm-3 col-xs-6"></div>
<div class="col-sm-3 col-xs-6"></div>
<div class="col-sm-3 col-xs-6"></div>
```

◄····· 740px ·····►




Developer
Designer
Design
Bootstrapped