Creating a Page Layout with Bootstrap

Gill Cleeren
CTO XPIRIT BELGIUM

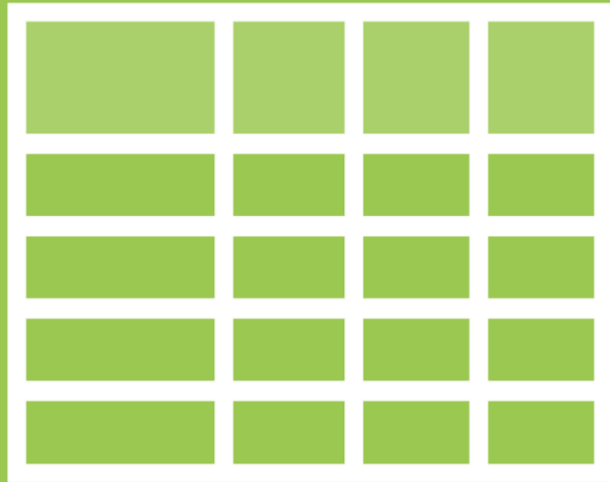@gillcleeren   www.snowball.be

Overview

Understanding the Bootstrap Grid system

Applying the Bootstrap Grid

Understanding the Bootstrap Grid System

It all started with a table...
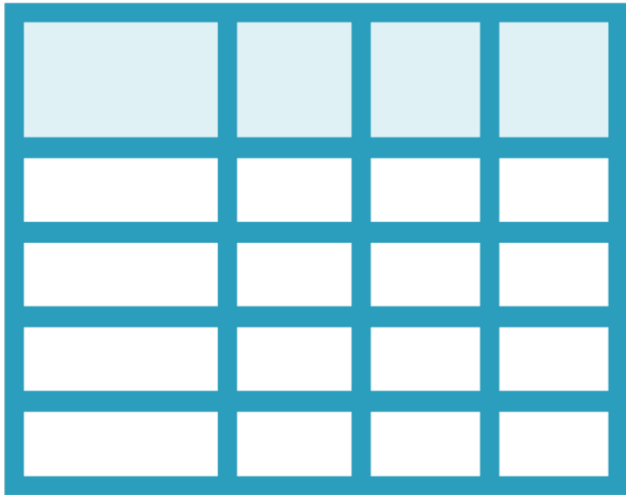
Don't scale well

Most sites use a table-like structure though

Bootstrap uses Grid

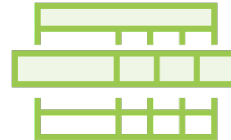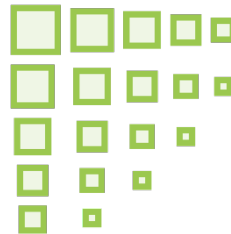# Bootstrap Grid Concepts

Container

Rows and columns

Breakpoints

The Container

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

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

Adding Rows

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

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

Adding Columns to Rows

```html
<div class="container">
    <div class="row">
            <div class="col">
                    1 of 2
            </div>
            <div class="col">
                    2 of 2
            </div>
    </div>
    <div class="row">
    </div>
</div>
```
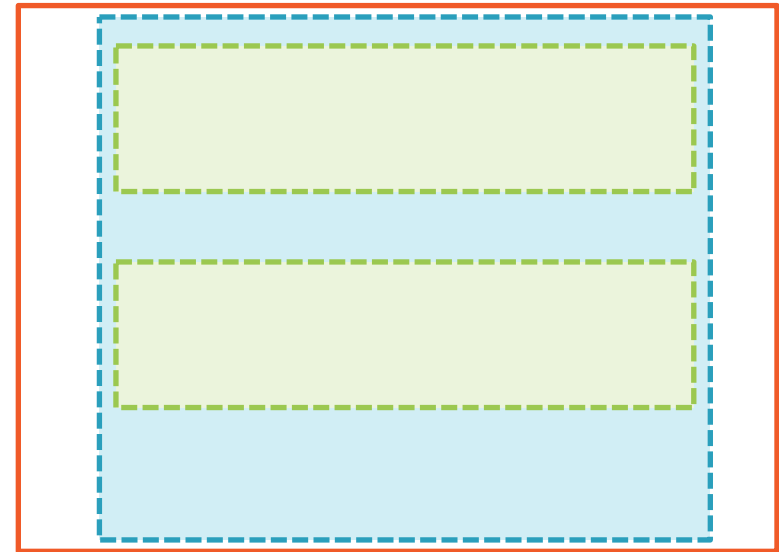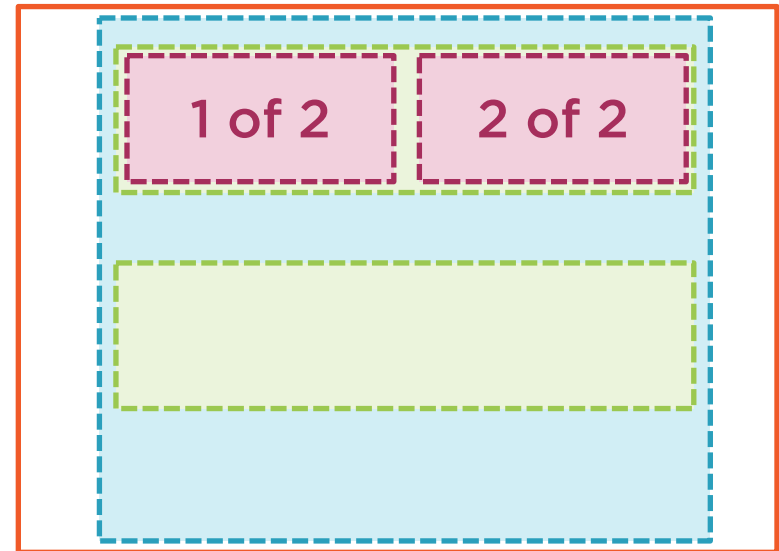
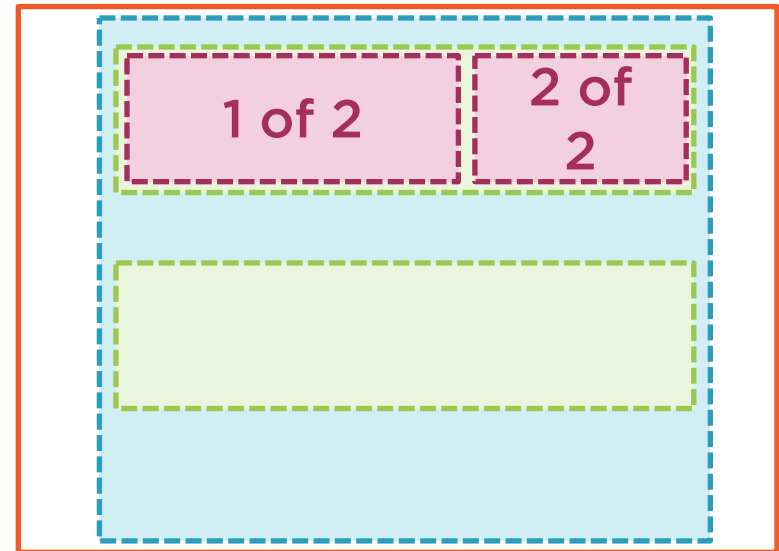# Each row has 12 columns

col-xx

Will stack if more are added

Responsiveness Using Breakpoints

Name	Prefix	Width
Extra small	col-	< 576px
Small	col-sm-	>= 576px
Medium	col-md-	>= 768px
Large	col-lg-	>= 992px
Extra large	col-xl-	>= 1200px

Column Naming

```html
<div class="container">
    <div class="row">
        <div class="col-md-8">
            1 of 2
        </div>
        <div class="col-md-4">
            2 of 2
        </div>
    </div>
    <div class="row">
    </div>
</div>
```
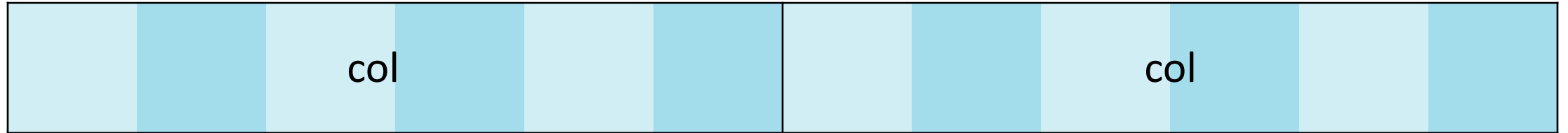
Column Sizing

Column Sizing

col	col

col-4	col-4	col-4

Column Sizing

Column Sizing

col		col	
col-4	col-4	col-4	
col-xx-3	col-xx-3	col-xx-6	
col-xx-2	col-xx-2	col-xx-2	col-xx-2	col-xx-2	col-xx-2

Column Sizing

Combining Column Sizes

```
<div class="row">
    <div class="col-md-8 col-sm-4">
        1 of 2
    </div>
    <div class="col-md-4 col-sm-8">
        2 of 2
    </div>
</div>
```

Medium and up
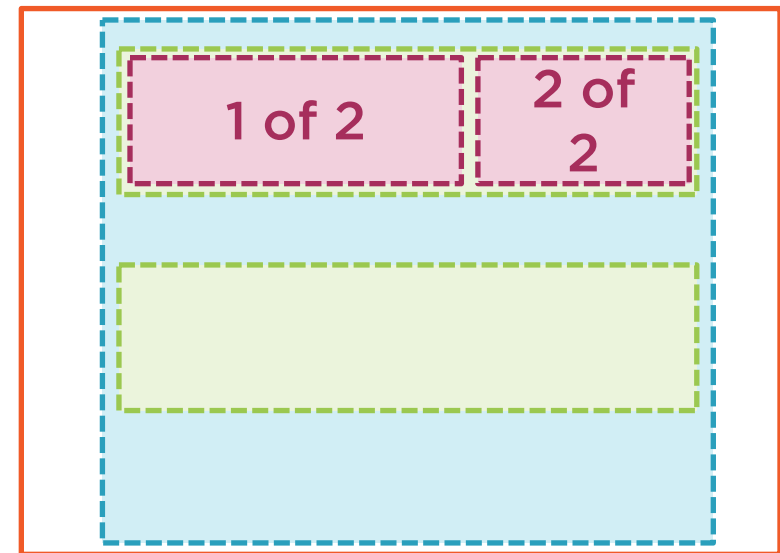
Combining Column Sizes

```
<div class="row">
    <div class="col-md-8 col-sm-4">
        1 of 2
    </div>
    <div class="col-md-4 col-sm-8">
        2 of 2
    </div>
</div>
```

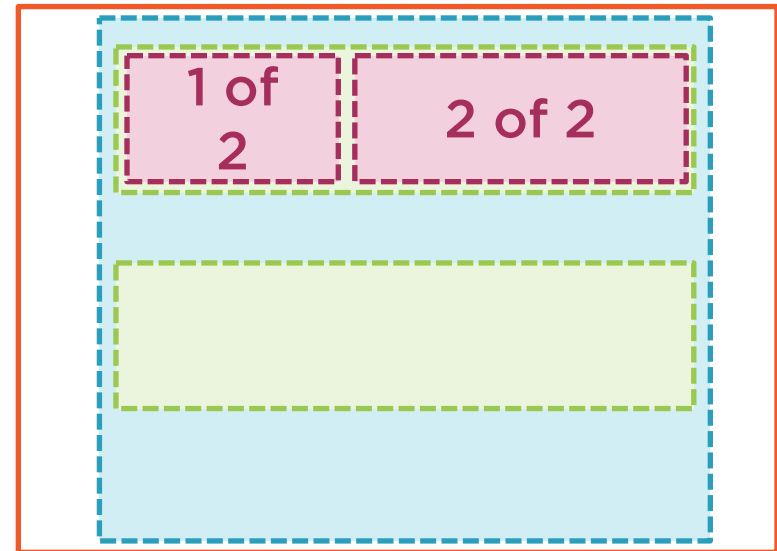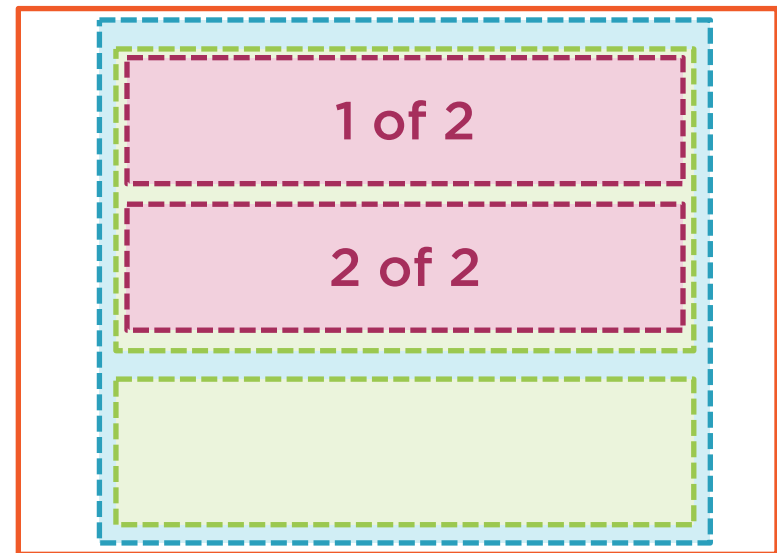**Between small and medium**

Combining Column Sizes

```
<div class="row">
    <div class="col-md-8 col-sm-4">
        1 of 2
    </div>
    <div class="col-md-4 col-sm-8">
        2 of 2
    </div>
</div>
```

Under small

1 of 2

2 of 2

Changing the Order of Columns
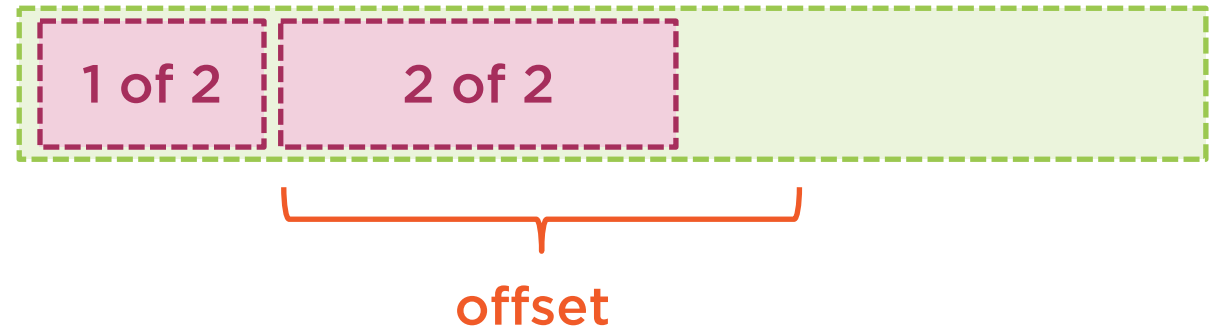
```
<div class="row">
    <div class="col-md-2">
        1 of 3
    </div>
    <div class="col-md-4 order-12">
        2 of 3
    </div>
    <div class="col-md-6 order-1">
        3 of 3
    </div>
</div>
```

| 1 of 3 | 2 of 3 | 3 of 3 |

Leaving Some Space

```html
<div class="row">
    <div class="col-md-2">
        1 of 2
    </div>
    <div class="col-md-4 offset-md-6">
        2 of 2
    </div>
</div>
```


1 of 2 | 2 of 2

offset

Demo

Understanding the grid layout system

- Container
- Rows
- Columns

Demo

Adding responsive layout to the detail page using the grid

Summary

Creating responsive page layouts becomes easy

Based on concept of media queries

Although "limited" to 12 columns, very flexible

Up next:
Adding style
with Bootstrap