

Responsive Design via Bootstrap

Presented by Steven King



The Boston Globe Steven Amy

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What Boston could learn from Methuen over body cameras

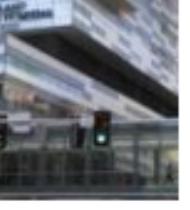


MATTHEW J. LEE/GLOBE STAFF

With little fuss, Methuen Police became the first major law enforcement agency in Mass. to start using body cameras in May.

- Diverse group of Boston officers is chosen to wear body cameras
- Abraham: Resistance to change raises questions about police

Mass. hospitals in decent fiscal health

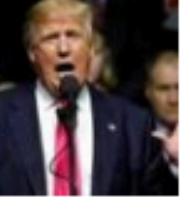


Eighty percent of the state's 65 hospitals ended last year with a profit, according to new report.

Campaign 2016

GROUND GAME

How Donald Trump could come back



There's still a plausible way for Trump to win in November. It is not likely, but it is plausible. 7:00 am

bostonglobe.com/metro/2016/08/24/.../story.html progressive

screencapture-boston....png Show All

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What Boston could learn from Methuen over body cameras



KIERAN KESNER FOR THE BOSTON GLOBE

YVONNE ABRAHAM

State trooper's trial promises to be ugly for many

Did troopers ignore a domestic violence victim's suffering, a victim who was one of their own?

- Bail restrictions sought for trooper
- Abraham: Prisoners in their homes

Fast Forward: David Ortiz makes history, National Park Service turns 100



A new morning report to help you get ready for the day. 7:45 am

LOVE LETTERS

He checked her out



My problem is that I thought I saw him check her out the other day and I'm not sure if I should address it ... or whether he's just being a man?

NICK CAFARDO | ON BASEBALL

Ortiz's storybook final season reaching new heights

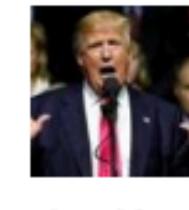


The Red Sox DH recorded his 10th season of at least 30 home runs and 100 RBIs, putting him in all-time elite company.

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 **Periscope DATA**
Type SQL, Get Charts

New Users Per Channel
53.9k

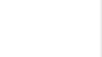
[Try Periscope](#) 

THE GLOBE COVERS THE OLYMPICS



Get up-to-the-minute news from Rio in our new Olympics section. And don't forget to visit our team pages for everything you need to know about the Sox, Patriots, Celtics and Bruins.

 **OLYMPICS**

 **RED SOX**  **PATRIOTS**  **CELTICS**  **BRUINS**

 [Show All](#) 

The Boston Globe Steven Amy

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 OLYMPICS

 RED SOX  PATRIOTS  CELTICS  BRUINS

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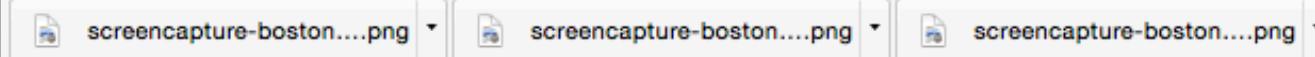
NICK CAFARDO | ON BASEBALL

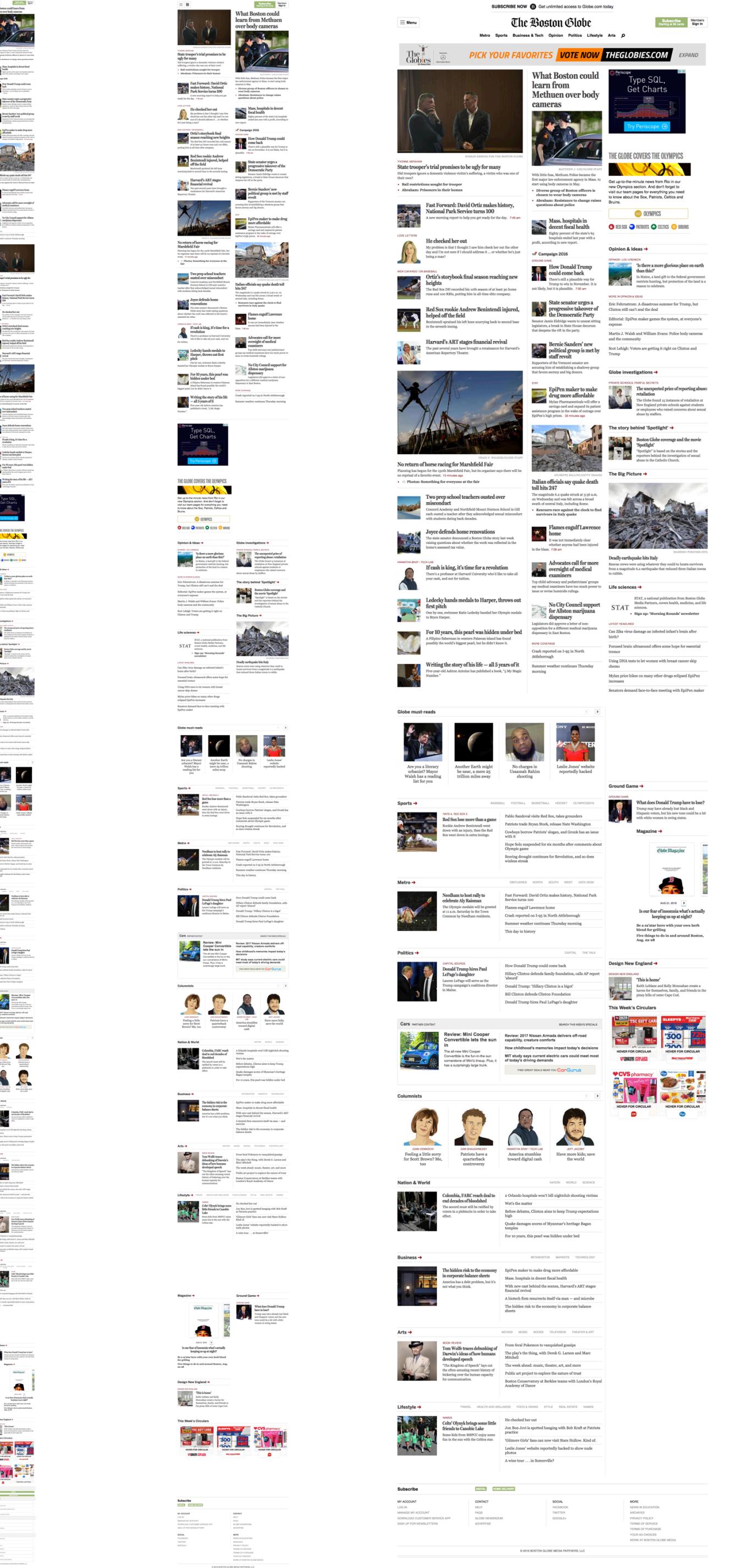

Fast Forward: David Ortiz makes history, National Park Service turns 100
A new morning report to help you get ready for the day. 7:45 am

OPINION | LOU URENECK
'Is there a more glorious place on earth than this?'
In Maine, a land gift to the federal government restricts hunting, but protection of the land is a reason to celebrate.

GROUND GAME
Campaign 2016

How Donald Trump could come back
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Get Bootstrap

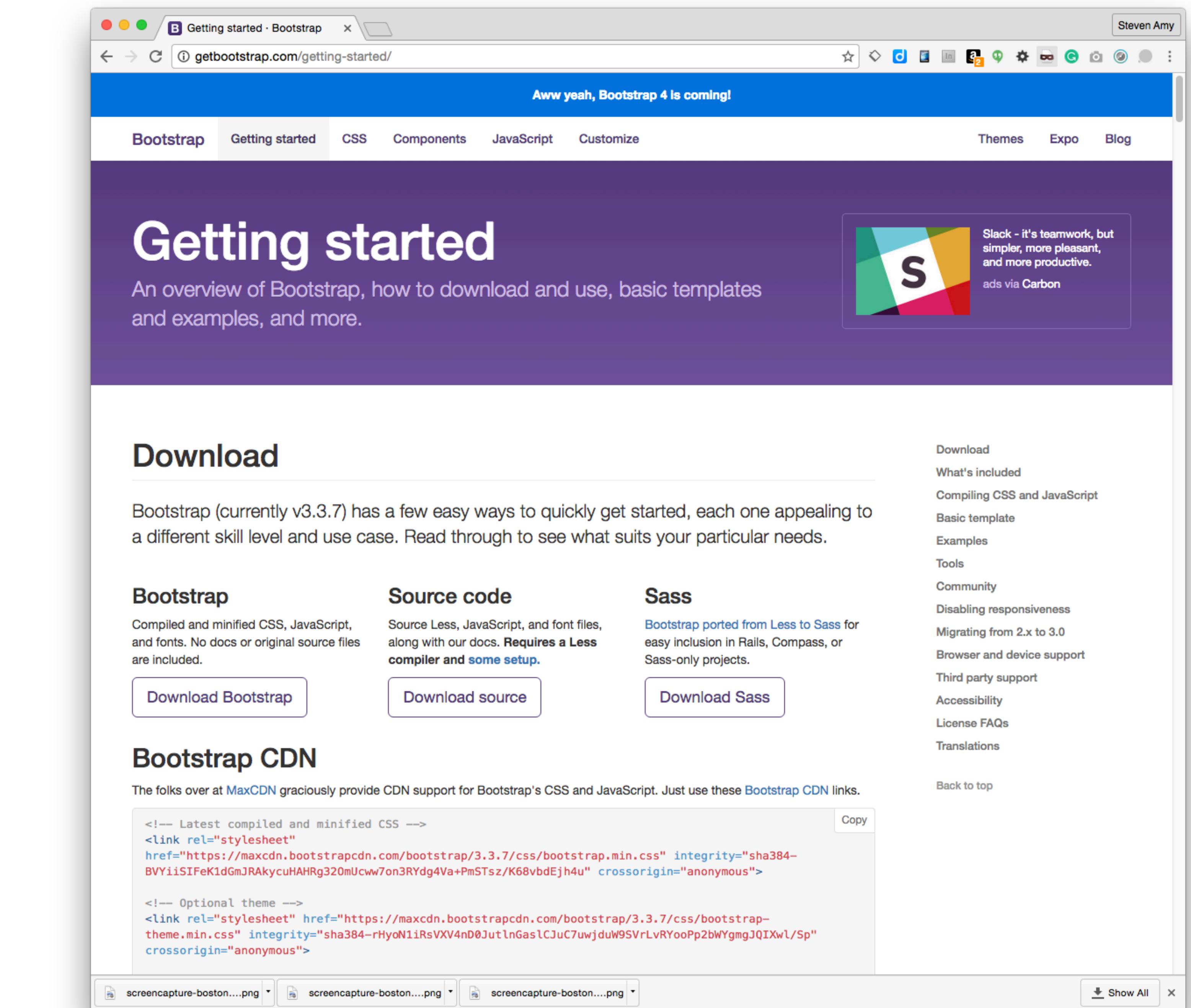
getbootstrap.com

The screenshot shows the homepage of the Bootstrap website (getbootstrap.com) in a web browser. The page has a blue header with the text "Bootstrap - The world's most popular front-end framework" and the URL "getbootstrap.com". A message "Aww yeah, Bootstrap 4 is coming!" is displayed above the navigation menu. The menu includes links for "Bootstrap", "Getting started", "CSS", "Components", "JavaScript", "Customize", "Themes", "Expo", and "Blog". The main content area features a large purple background with a white "B" logo in the center. Below the logo, the text reads: "Bootstrap is the most popular HTML, CSS, and JS framework for developing responsive, mobile first projects on the web." A "Download Bootstrap" button is visible, along with a note indicating the current version is v3.3.7. A Braintree advertisement is present, featuring the text "Less code. More coin." and "ads via Carbon". At the bottom, the slogan "Designed for everyone, everywhere." is displayed, followed by a note about Bootstrap being suitable for all skill levels. The browser's address bar shows "getbootstrap.com/javascript/" and the status bar indicates "Bootstran makes front-end web development faster and easier. It's made for folks of all skill levels,".

Download Bootstrap

getbootstrap.com/getting-started

UNC MJ School



The screenshot shows a web browser window displaying the Bootstrap Getting Started page at getbootstrap.com/getting-started/. The page has a blue header with the text "Aww yeah, Bootstrap 4 is coming!" and navigation links for Bootstrap, Getting started, CSS, Components, JavaScript, Customize, Themes, Expo, and Blog. A Slack advertisement is visible on the right. The main content area features a large "Getting started" heading and a sub-section titled "Download". It describes three ways to get started: "Bootstrap" (compiled and minified CSS, JavaScript, and fonts), "Source code" (source Less, JavaScript, and font files), and "Sass" (Bootstrap ported from Less to Sass). Each method has a corresponding "Download" button. Below this is a section for "Bootstrap CDN" with CDN links provided by MaxCDN.

B Getting started - Bootstrap Steven Amy

getbootstrap.com/getting-started/ Aww yeah, Bootstrap 4 is coming!

Bootstrap Getting started CSS Components JavaScript Customize Themes Expo Blog

Slack - it's teamwork, but simpler, more pleasant, and more productive. ads via Carbon

Getting started

An overview of Bootstrap, how to download and use, basic templates and examples, and more.

Download

Bootstrap (currently v3.3.7) has a few easy ways to quickly get started, each one appealing to a different skill level and use case. Read through to see what suits your particular needs.

Bootstrap
Compiled and minified CSS, JavaScript, and fonts. No docs or original source files are included.
[Download Bootstrap](#)

Source code
Source Less, JavaScript, and font files, along with our docs. [Requires a Less compiler and some setup.](#)
[Download source](#)

Sass
Bootstrap ported from Less to Sass for easy inclusion in Rails, Compass, or Sass-only projects.
[Download Sass](#)

Bootstrap CDN

The folks over at [MaxCDN](#) graciously provide CDN support for Bootstrap's CSS and JavaScript. Just use these [Bootstrap CDN](#) links.

```
<!-- Latest compiled and minified CSS -->
<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css" integrity="sha384-BVYiiSIFeK1dGmJRAkycuHAHRg320mUcw7on3RYdg4Va+PmSTsz/K68vbDEjh4u" crossorigin="anonymous">

<!-- Optional theme -->
<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap-theme.min.css" integrity="sha384-rHyON1iRsVXV4nD0JutlnGaslCJuC7uwjduW9SVrLvRYooPp2bWYgmgJQIXwl/Sp" crossorigin="anonymous">
```

Copy

Back to top

Setup Template

getbootstrap.com/getting-started/#template

The screenshot shows a Mac OS X desktop with a web browser window open to the Bootstrap 'Getting started' page at getbootstrap.com/getting-started/#template. The browser's title bar says 'Getting started - Bootstrap'. The main content area displays the 'Basic template' section, which includes a block of HTML code for a Bootstrap 101 Template. A 'Copy' button is visible in the top right corner of this code block. Below the code, there's a heading 'Examples' and a paragraph encouraging customization. On the right side of the browser window, a vertical sidebar lists various Bootstrap-related topics: Download, What's included, Compiling CSS and JavaScript, Basic template (which is currently selected), Examples, Tools, Community, Disabling responsiveness, Migrating from 2.x to 3.0, Browser and device support, Third party support, Accessibility, License FAQs, and Translations. At the bottom of the sidebar, there's a 'Back to top' link. The status bar at the bottom of the screen shows three file icons and a 'Show All' button.

Basic template

Start with this basic HTML template, or modify [these examples](#). We hope you'll customize our templates and examples, adapting them to suit your needs.

Copy the HTML below to begin working with a minimal Bootstrap document.

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <!-- The above 3 meta tags *must* come first in the head; any other head content must come
        *after* these tags -->
    <title>Bootstrap 101 Template</title>

    <!-- Bootstrap -->
    <link href="css/bootstrap.min.css" rel="stylesheet">

    <!-- HTML5 shim and Respond.js for IE8 support of HTML5 elements and media queries -->
    <!-- WARNING: Respond.js doesn't work if you view the page via file:// -->
    <!--[if lt IE 9]>
      <script src="https://oss.maxcdn.com/html5shiv/3.7.3/html5shiv.min.js"></script>
      <script src="https://oss.maxcdn.com/respond/1.4.2/respond.min.js"></script>
    <![endif]-->
  </head>
  <body>
    <h1>Hello, world!</h1>

    <!-- jQuery (necessary for Bootstrap's JavaScript plugins) -->
    <script src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.4/jquery.min.js"></script>
    <!-- Include all compiled plugins (below), or include individual files as needed -->
    <script src="js/bootstrap.min.js"></script>
  </body>
</html>
```

Examples

Build on the basic template above with Bootstrap's many components. We encourage you to customize and adapt Bootstrap to suit your individual project's needs.

Get the source code for every example below by [downloading the Bootstrap repository](#). Examples can be found in the `docs/examples/` directory.

Understand The Grid

[getbootstrap.com/
examples/grid](http://getbootstrap.com/examples/grid)

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Grid Template for Bootstrap Steven Amy

getbootstrap.com/examples/grid/

Bootstrap grid examples

Basic grid layouts to get you familiar with building within the Bootstrap grid system.

Three equal columns

Get three equal-width columns **starting at desktops and scaling to large desktops**. On mobile devices, tablets and below, the columns will automatically stack.

.col-md-4	.col-md-4	.col-md-4
-----------	-----------	-----------

Three unequal columns

Get three columns **starting at desktops and scaling to large desktops** of various widths. Remember, grid columns should add up to twelve for a single horizontal block. More than that, and columns start stacking no matter the viewport.

.col-md-3	.col-md-6	.col-md-3
-----------	-----------	-----------

Two columns

Get two columns **starting at desktops and scaling to large desktops**.

.col-md-8	.col-md-4
-----------	-----------

Full width, single column

No grid classes are necessary for full-width elements.

Two columns with two nested columns

Per the documentation, nesting is easy—just put a row of columns within an existing column. This gives you two columns **starting at desktops and scaling to large desktops**, with another two (equal widths) within the larger column.

At mobile device sizes, tablets and down, these columns and their nested columns will stack.

.col-md-8	.col-md-4
.col-md-6	.col-md-6

screencapture-boston....png screencapture-boston....png screencapture-boston....png Show All

Understand The Grid

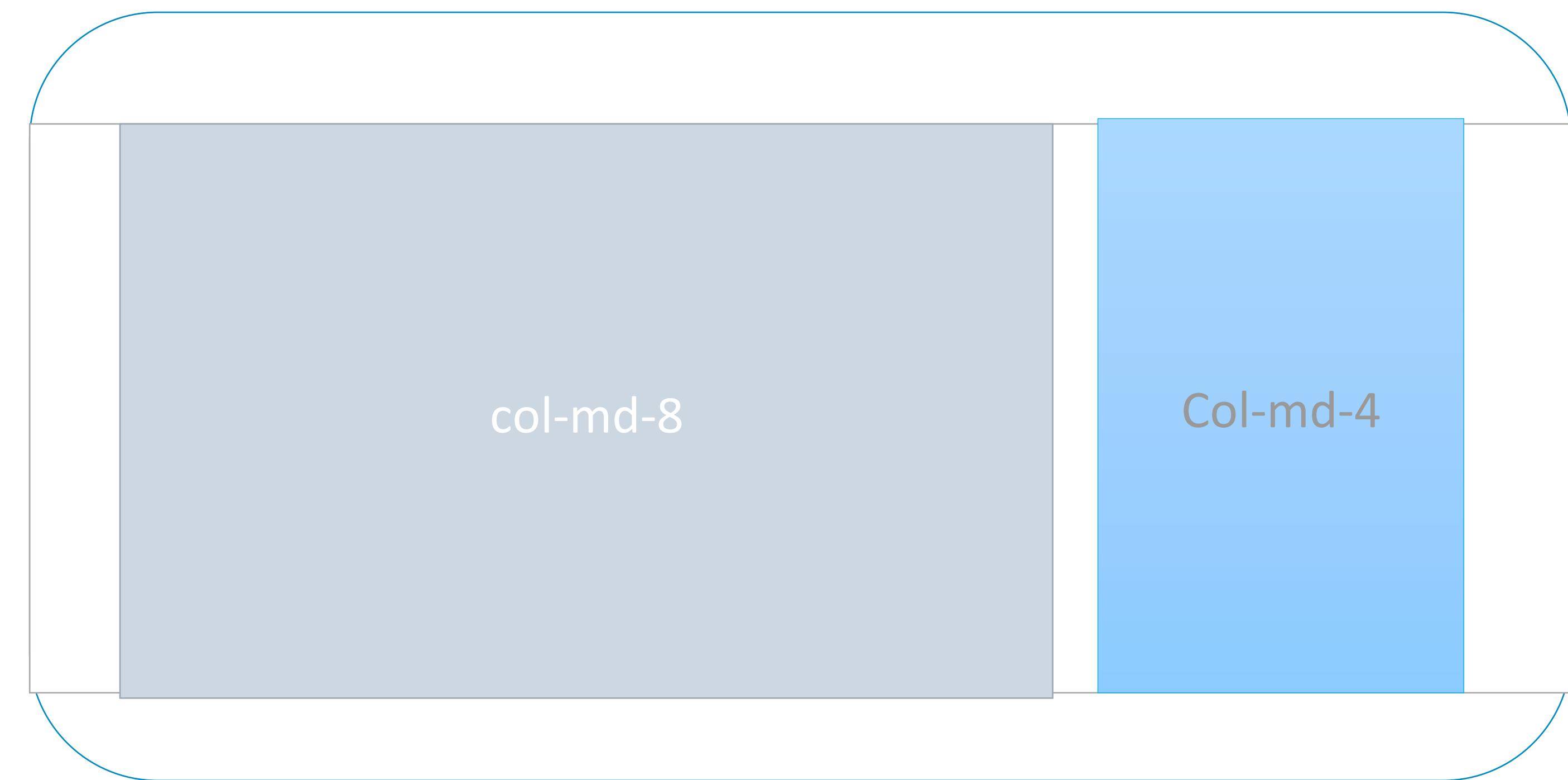
[getbootstrap.com/
examples/grid](http://getbootstrap.com/examples/grid)

How it works:

There is a container.

The container has rows.

There are up to 12 columns in a row.



Understand The Grid

[getbootstrap.com/
examples/grid](http://getbootstrap.com/examples/grid)

How it works:

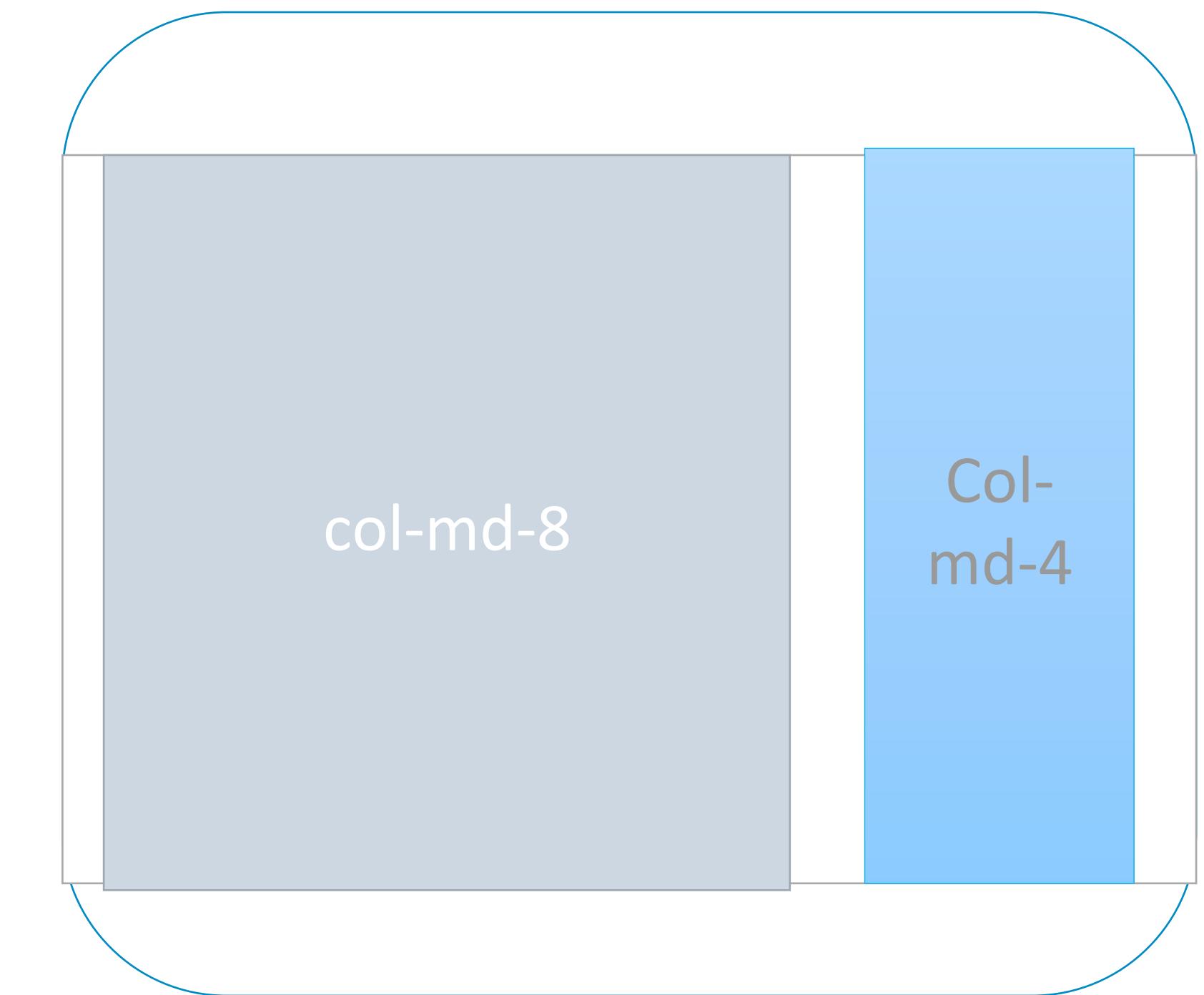
There are break points for each screen size

XS, Small, Med, Large, XL,

Small



Med



Understand The Grid

[getbootstrap.com/
examples/grid](http://getbootstrap.com/examples/grid)

How it works:

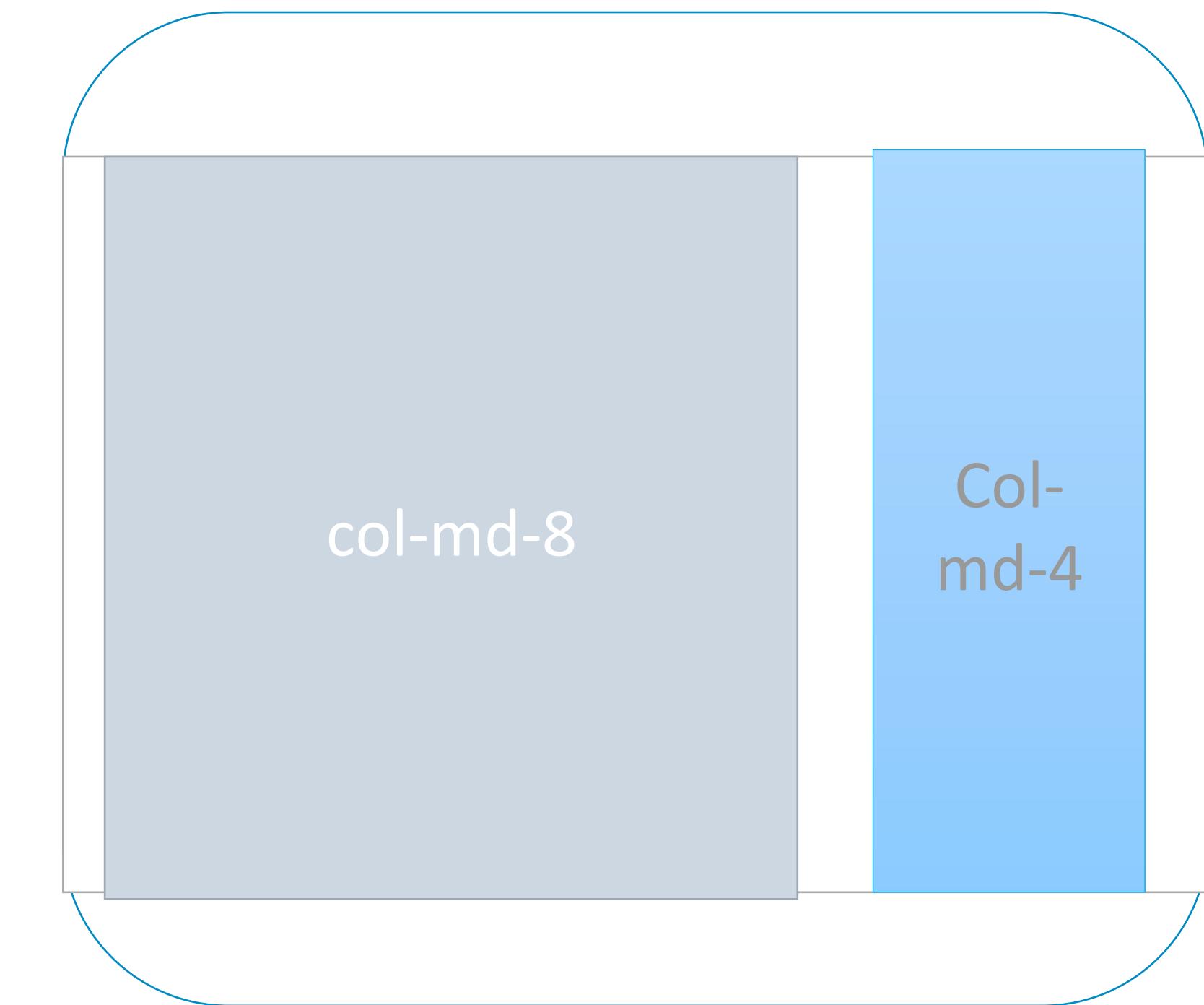
There are break points for each screen size

XS, Small, Med, Large, XL,

Small



Med



The Extras

[getbootstrap.com/
examples/theme/](http://getbootstrap.com/examples/theme/)

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Bootstrap theme Home About Contact Dropdown +

Theme example
This is a template showing the optional theme stylesheet included in Bootstrap. Use it as a starting point to create something more unique by building on or modifying it.

Buttons

Default Primary Success Info Warning Danger

Tables

#	First Name	Last Name	Username
1	Mark	Otto	@mdo
2	Jacob	Thornton	@fat
3	Larry	the Bird	@twitter

#	First Name	Last Name	Username
1	Mark	Otto	@mdo
2	Jacob	Thornton	@fat
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Thumbnails

Labels

Default Primary Success Info Warning Danger

Default Primary Success Info Warning Danger

Default Primary Success Info Warning Danger

Badges

Inbox 42

Home 42 Profile Messages 3

Dropdown menus

Action

Another action

Something else here

Separated link

Default Primary Success Info Warning Danger Link

Navs

Home Profile Messages

Home Profile Messages

Alerts

Well done! You successfully read this important alert message.

Heads up! This alert needs your attention, but it's not super important.

Warning! Best check yourself, you're not looking too good.

On alert! Change a few things up and try submitting again.

Progress bars

List groups

Cras justo odio	Dapibus ac facilisis in	List group item heading
Morbi leo risus	Morbi leo risus	Donec id elit non mi porta gravida at eget metus.
Porta ac consectetur ac	Porta ac consectetur ac	Morbi leo risus, porta ac consectetur ac, vestibulum at eros.
Vestibulum at eros	Vestibulum at eros	Donec id elit non mi porta gravida at eget metus.

Panels

Panel title	Panel content	Panel title
Panel title	Panel content	Panel title

Wells

Lowem ipsum dolor sit amet, consectetur adipiscing elit. Maecenas sed diam eget risus varius blandit sit amet non magna. Lowem ipsum dolor sit amet, consectetur adipiscing elit. Masset commodo curva magna, vel scelerisque nisl consectetur et. Cras mattis consectetur purus sit amet fermentum. Duis mollis, est non commodo luctus, nisi erat portor sapien eget lacina odio sem nec tellus. Ante semper lobortis nulla et consetetur.

Carousel



Let's
Try it!

For Real

Assignment

Putting into practice

Build a single page travel site about a specific location using the standard Bootstrap template.

Use Creative Commons Images and Wikipedia text with credits

Nav bar should link to other students projects (requires talking, planning, coordination)

Upload to your own server and link to friends.

Post link as an issue in Github.