Day 6

Behold Bootstrap!

July, 2, 2016

© 2016 | Coding Boot Camp - All Rights Reserved

Heeeeeelp Meeeee.....
Hhhhhblub blub blub
quickmeme.com

We've been there…

© 2016 | Coding Boot Camp - All Rights Reserved

take a deep breath.

IT'S ALL GOING
TO BE OKAY.

YOU ARE FREAKING AWESOME

Today's Class

© 2016 | Coding Boot Camp - All Rights Reserved

Objectives

1. Students will use **Twitter Bootstrap** to create layouts

2. Students will learn to use **media queries** for mobile responsive websites

3. Students will learn to use the **viewport** tag to make sure all devices are displaying web pages optimally

© 2016 | Coding Boot Camp - All Rights Reserved

Focus!

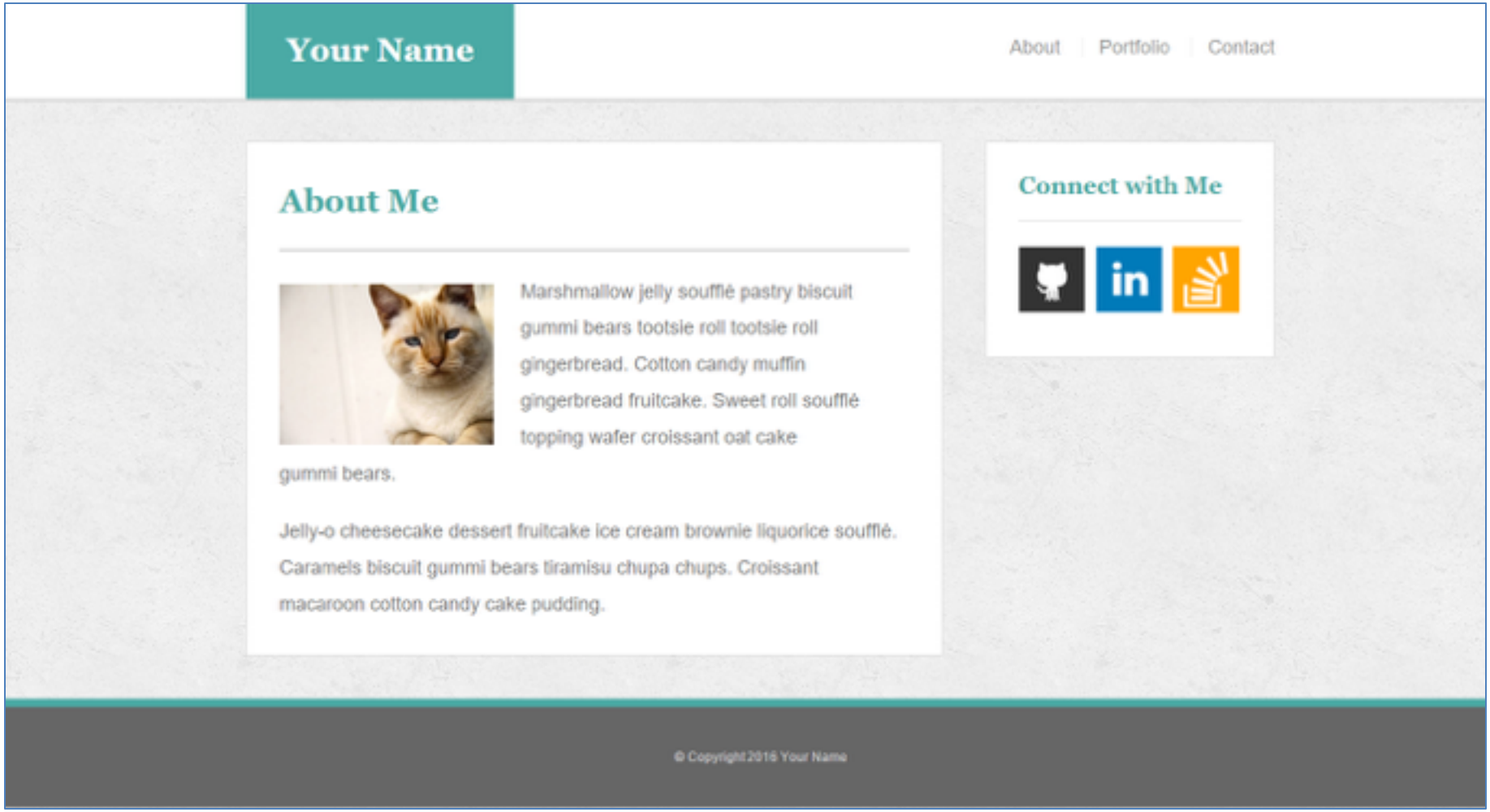
This stuff is important…

© 2016 | Coding Boot Camp - All Rights Reserved

Recap Bootstrap

© 2016 | Coding Boot Camp - All Rights Reserved

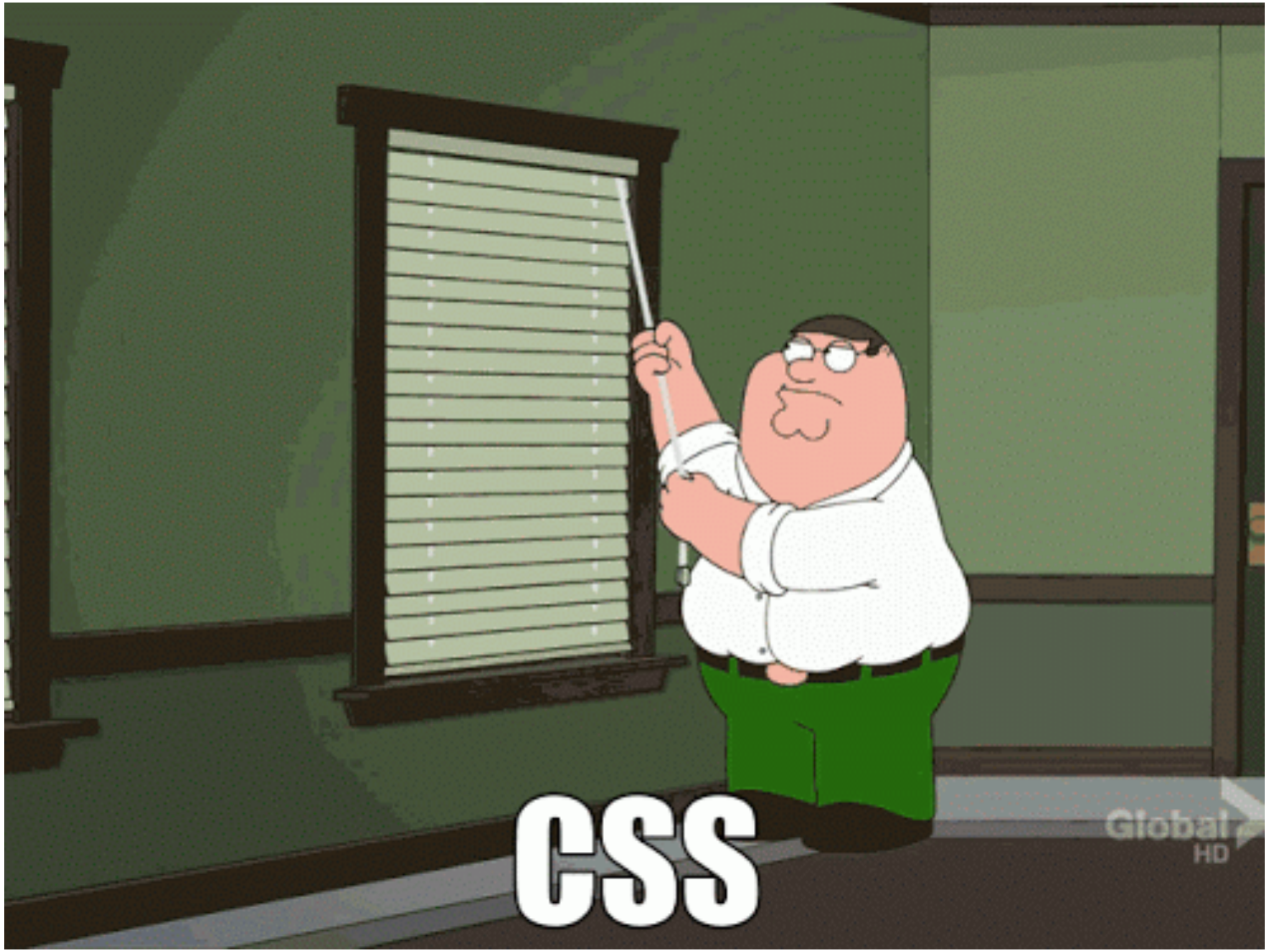
The Pains of HW 1



Plan HTML + CSS makes layout building challenging

© 2016 | Coding Boot Camp - All Rights Reserved

How You (Probably) Feel About CSS



© 2016 | Coding Boot Camp - All Rights Reserved

But Then Came Bootstrap…

The Coding Bootcamp | Home | About | Contact | Dropdown | Default | Static top | Fixed top

Awesome Header

Smaller Awesome Header

Even Smaller Header

Learn more

Lorem ipsum dolor sit amet, consectetur adipisicing elit. Quis, molestiae modi accusantium animi magnam veniam, impedit asperiores sint consequuntur debitis fugit quibusdam dolor, iusto sed porro ab minus voluptatibus amet.

Lorem ipsum dolor sit amet, consectetur adipisicing elit. Accusamus, maiores, quos. At, animi, facilis. Alias itaque ab minima rerum, eaque animi nesciunt harum nemo est cumque voluptas, qui reprehenderit atque.

© 2016 | Coding Boot Camp - All Rights Reserved

Powered by Bootstrap

External CSS Link

```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <title>My First Website</title>
5      <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/
       bootstrap/3.3.6/css/bootstrap.min.css">
6  </head>
7  <body>
```

Pre-Defined CSS Class (ex: “Jumbotron”)

```
<div class="jumbotron">
  <h1 class="text-center"><strong>Awesome Header</strong></h1>
  <h2 class="text-center">Smaller Awesome Header</h2>
  <h3 class="text-center">Even Smaller Header</h3>
  <p class="text-center"><a class="btn btn-danger btn-lg" href="#" role="button">
<span class="glyphicon glyphicon-envelope"></span> Learn more</a></p>
</div>
```

© 2016 | Coding Boot Camp - All Rights Reserved

Powered by Bootstrap

The Coding Bootcamp | Home | About | Contact | Dropdown | Default | Static top | Fixed top

Awesome Header

Smaller Awesome Header

Even Smaller Header

Learn more

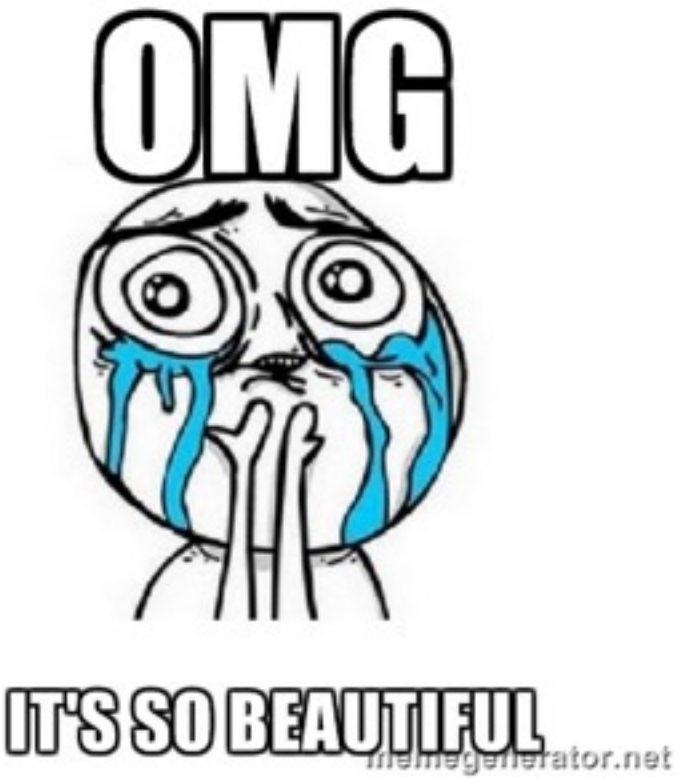
class="jumbotron"

Lorem ipsum dolor sit amet, consectetur adipisicing elit. Quis, molestiae modi accusantium animi magnam veniam, impedit asperiores sint consequuntur debitis fugit quibusdam dolor, iusto sed porro ab minus voluptatibus amet.

Lorem ipsum dolor sit amet, consectetur adipisicing elit. Accusamus, maiores, quos. At, animi, facilis. Alias itaque ab minima rerum, eaque animi nesciunt harum nemo est cumque voluptas, qui reprehenderit atque.

© 2016 | Coding Boot Camp - All Rights Reserved

Big Deal!!!



Using Bootstrap,
we have <u>PRE-DEFINED</u> CSS Styles.

© 2016 | Coding Boot Camp - All Rights Reserved

Why Use Bootstrap?

- **<u>Reason #1: UI Kit</u>**
- Familiarize yourself with the UI features it offers via the documentation.
- Once Bootstrap is active, you can simply copy snippets from the documentation to save yourself major time of creating elements yourself.

© 2016 | Coding Boot Camp - All Rights Reserved

Why Use Bootstrap?

Reason #2: Mobile Responsiveness

- One of the most compelling reasons to use Bootstrap is the default **mobile-responsive** quality it provides.

- This means that your website will look “good” automatically when viewed on screens ranging from monitors to tablets to phones.

© 2016 | Coding Boot Camp - All Rights Reserved

> YOUR TURN!!

Warmup Activity:

As a repeat of last class, quickly create an HTML webpage.

Then add in a Bootstrap component of your choosing.

Hint: Copy the Bootstrap CSS link. Then copy the code from any Bootstrap element or CSS.

© 2016 | Coding Boot Camp - All Rights Reserved

Next Phase Bootstrap

Last class, we focused on Bootstrap Components (like buttons and tables).

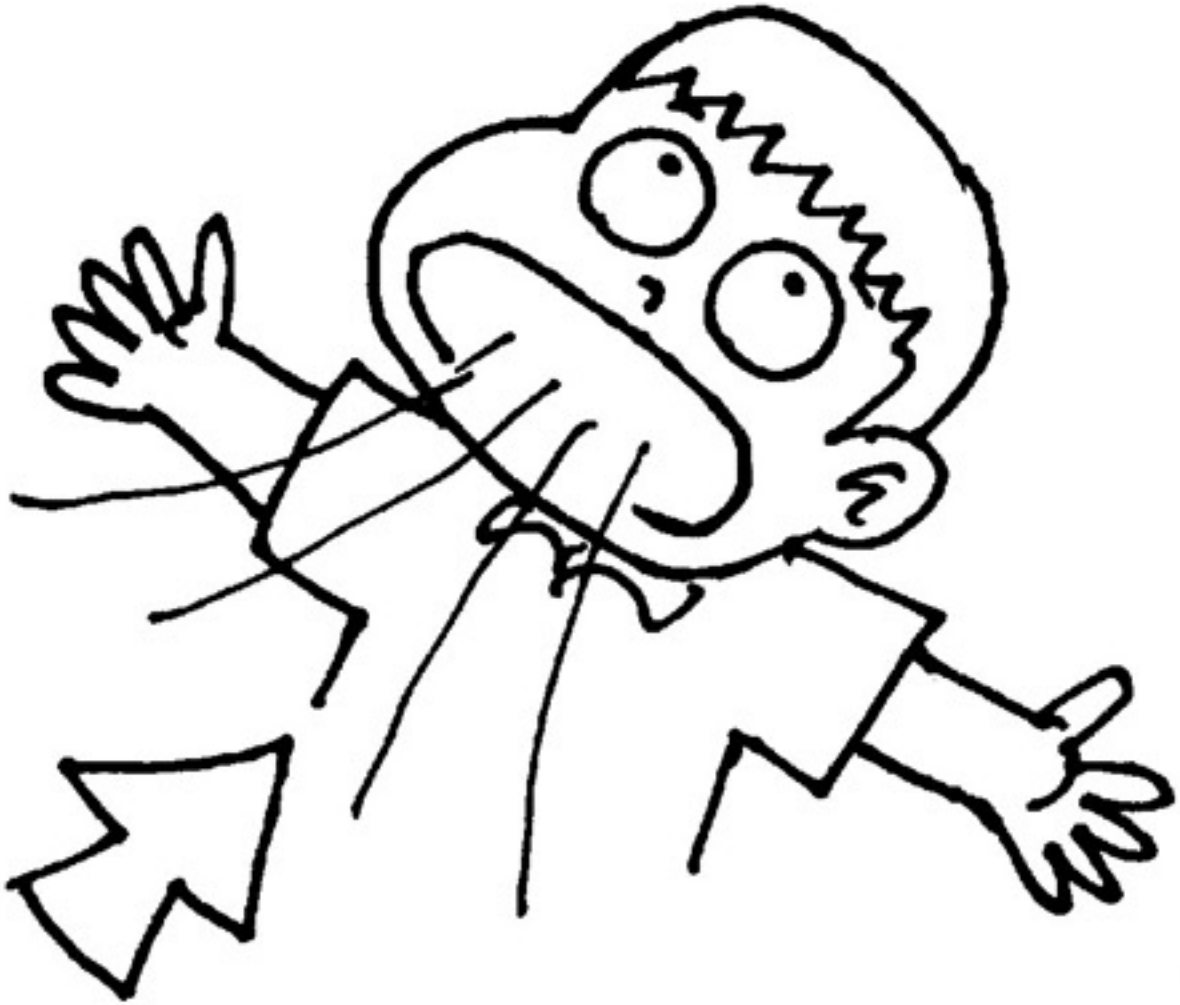
Today we'll be focused on using Bootstrap to build layouts.

© 2016 | Coding Boot Camp - All Rights Reserved

Sketching / Grid Layouts

© 2016 | Coding Boot Camp - All Rights Reserved

Take 5 Huge Breaths…



© 2016 | Coding Boot Camp - All Rights Reserved

FOCUS!

Because in our opinion, these next two sections are of the

MOST IMPORTANT ONES

in the **ENTIRE** program.

Facebook surf at your own peril (and to the peril of the galaxy)

© 2016 | Coding Boot Camp - All Rights Reserved

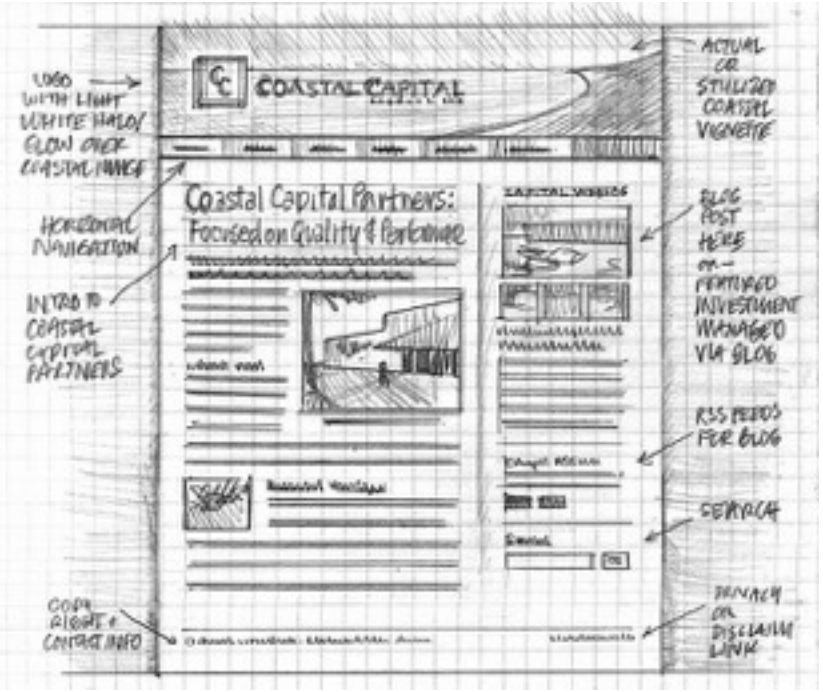
FOCUS!

Relax. That doesn’t mean its hard.

© 2016 | Coding Boot Camp - All Rights Reserved

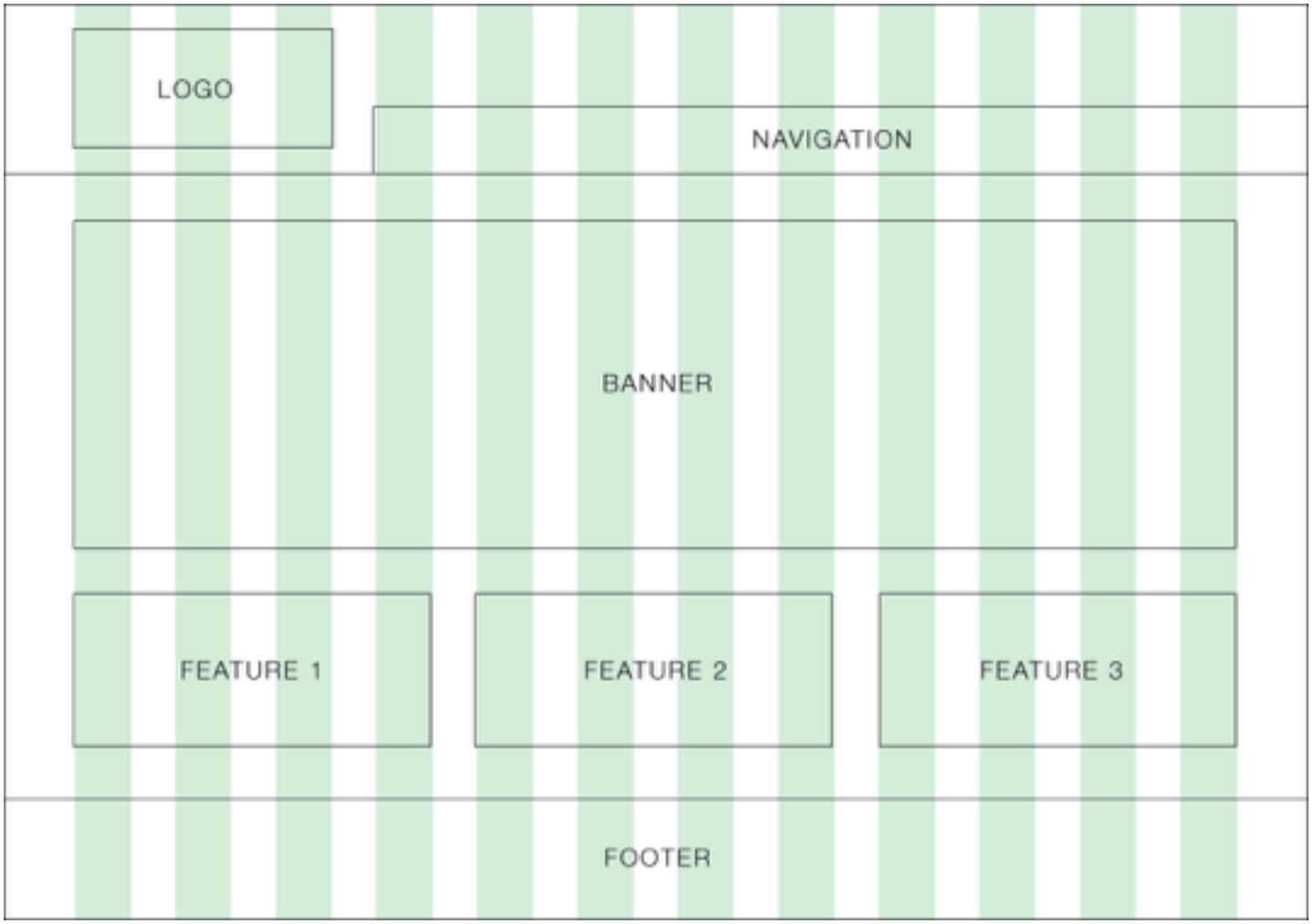
Importance of Sketches

- Because every aspect of a site's "look" is defined by HTML/CSS – it is crucial to have a detailed sketch going in.
- Pay particular attention to the location of navigation bars, titles, headers, content, images, footers etc.
- When imagining alignments, in particular, be mindful of the ***grid***



© 2016 | Coding Boot Camp - All Rights Reserved

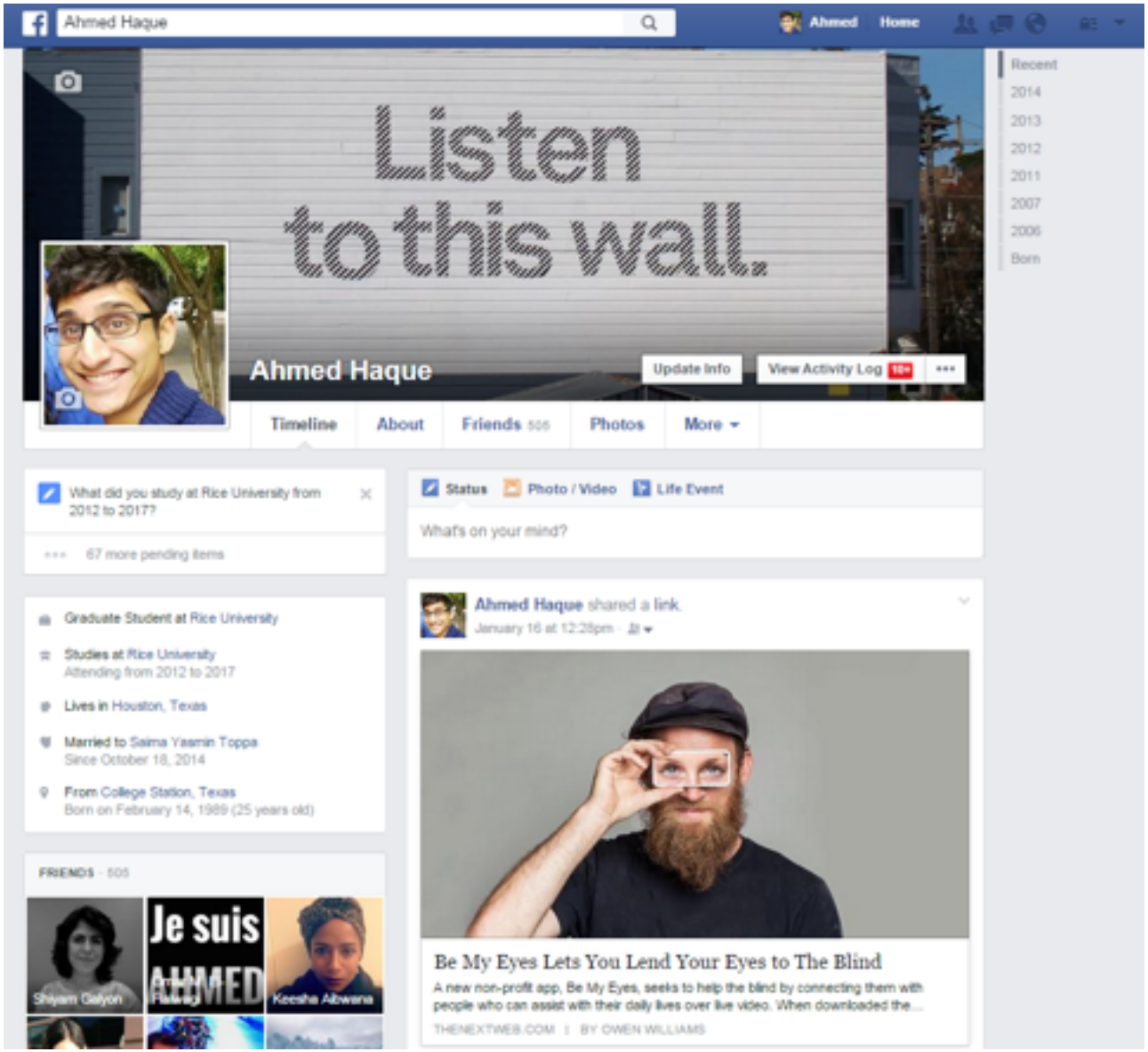
Designing with a Grid in Mind



- Grids serve to align elements aesthetically.

© 2016 | Coding Boot Camp - All Rights Reserved

Facebook's Grid

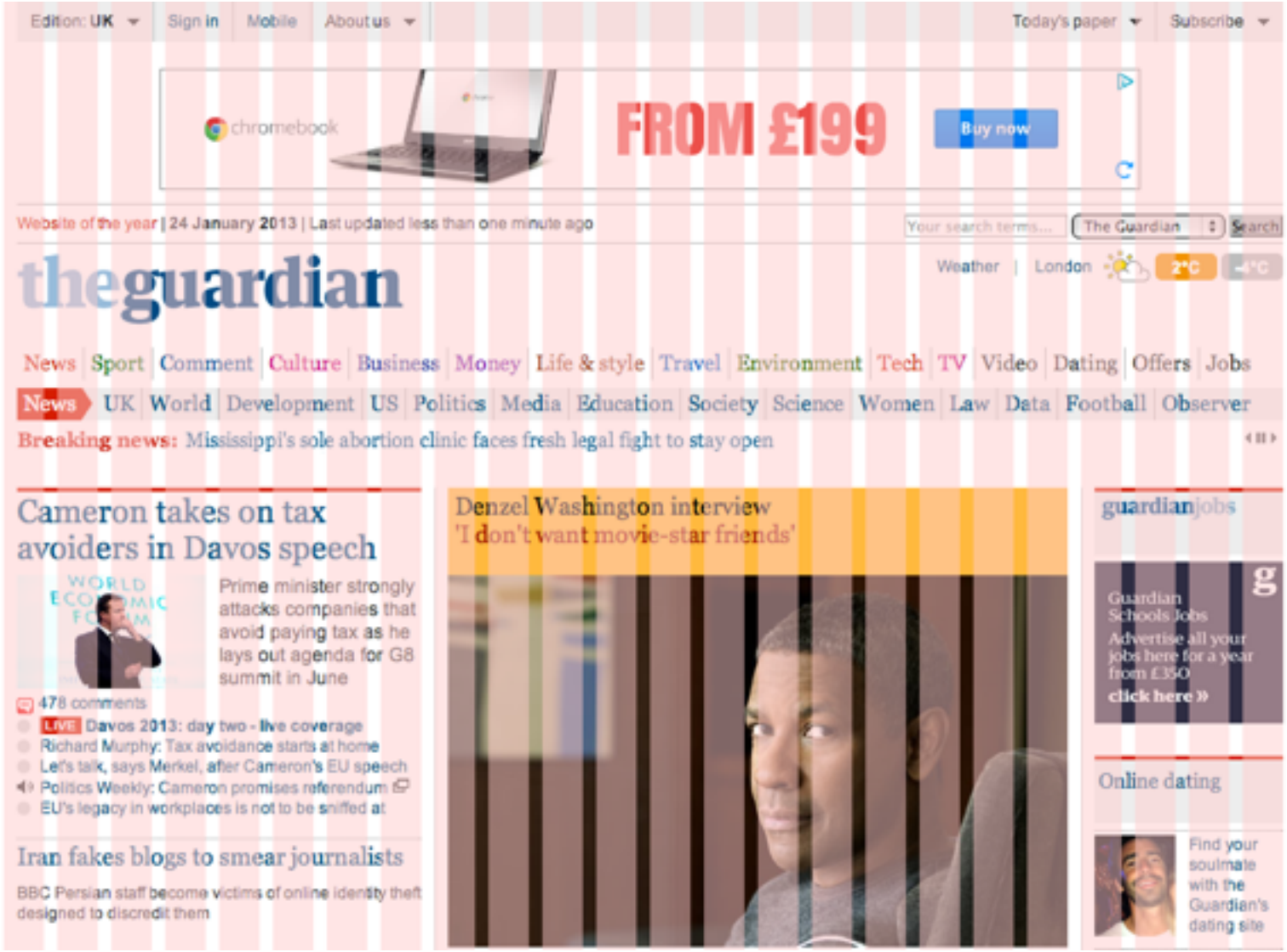


Facebook is a perfect example of a website where the "grid-layout" is obvious.

Grids make it easy to have content (text, images, and regions) align aesthetically.

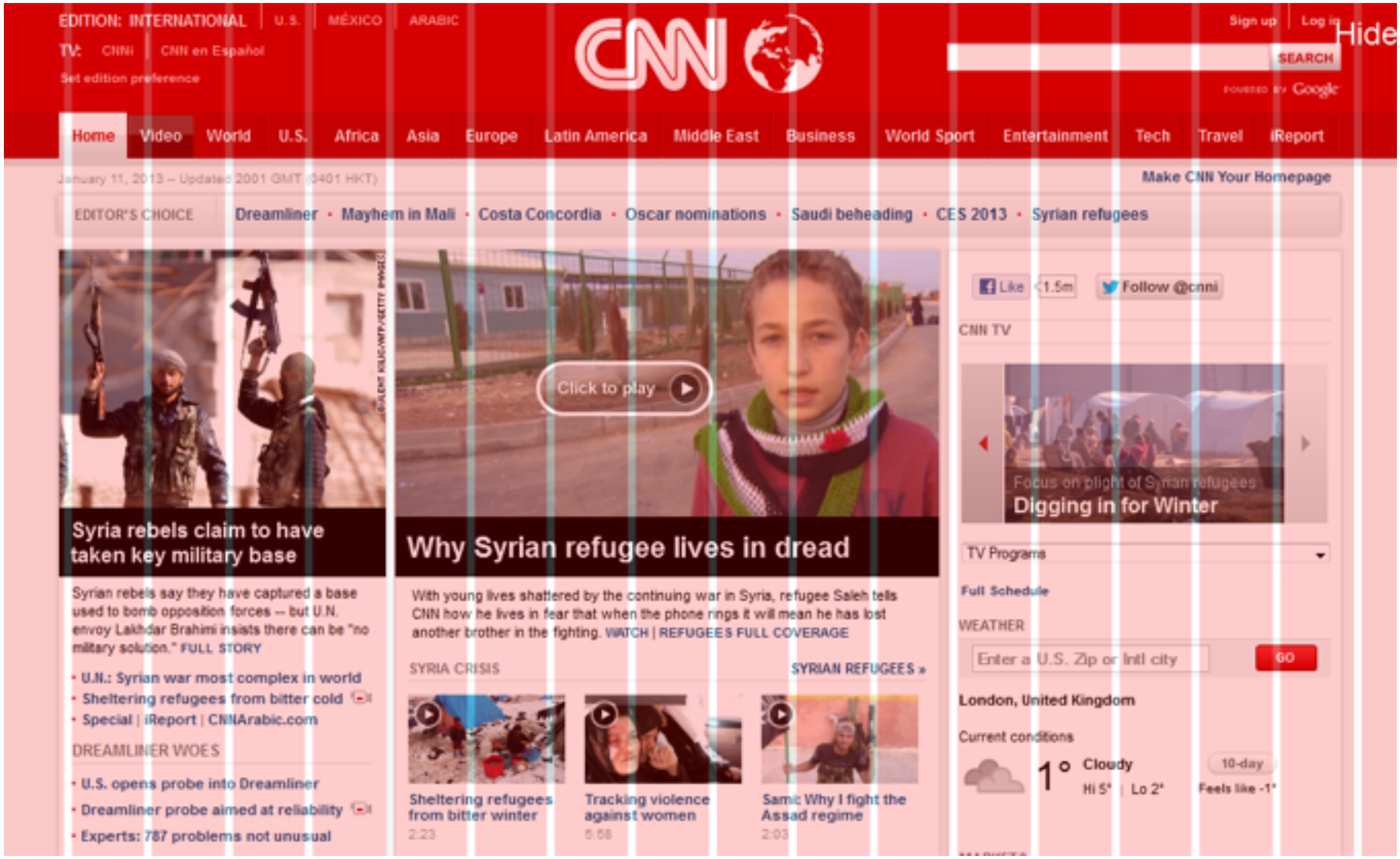
© 2016 | Coding Boot Camp - All Rights Reserved

A More Complex Grid…



© 2016 | Coding Boot Camp - All Rights Reserved

A More Complex Grid…



© 2016 | Coding Boot Camp - All Rights Reserved

Tools for Sketch / Grid Creation

Wireframing Tools:

- Balsamiq***: https://balsamiq.com/
- Framebox: http://framebox.org/
- Pen and Paper: Your notebook

Grids for Photoshop / Illustrator:

- 960 GS: http://960.gs/
- GuideGuide: http://framebox.org/

Designing with Grids Guides:

- 960 Grid System Made Easy: http://bit.ly/1sjYaFC
- Design by Grid: http://www.designbygrid.com/
- Designing with Grid-Based Approach: http://bit.ly/1CM4Hzo

© 2016 | Coding Boot Camp - All Rights Reserved

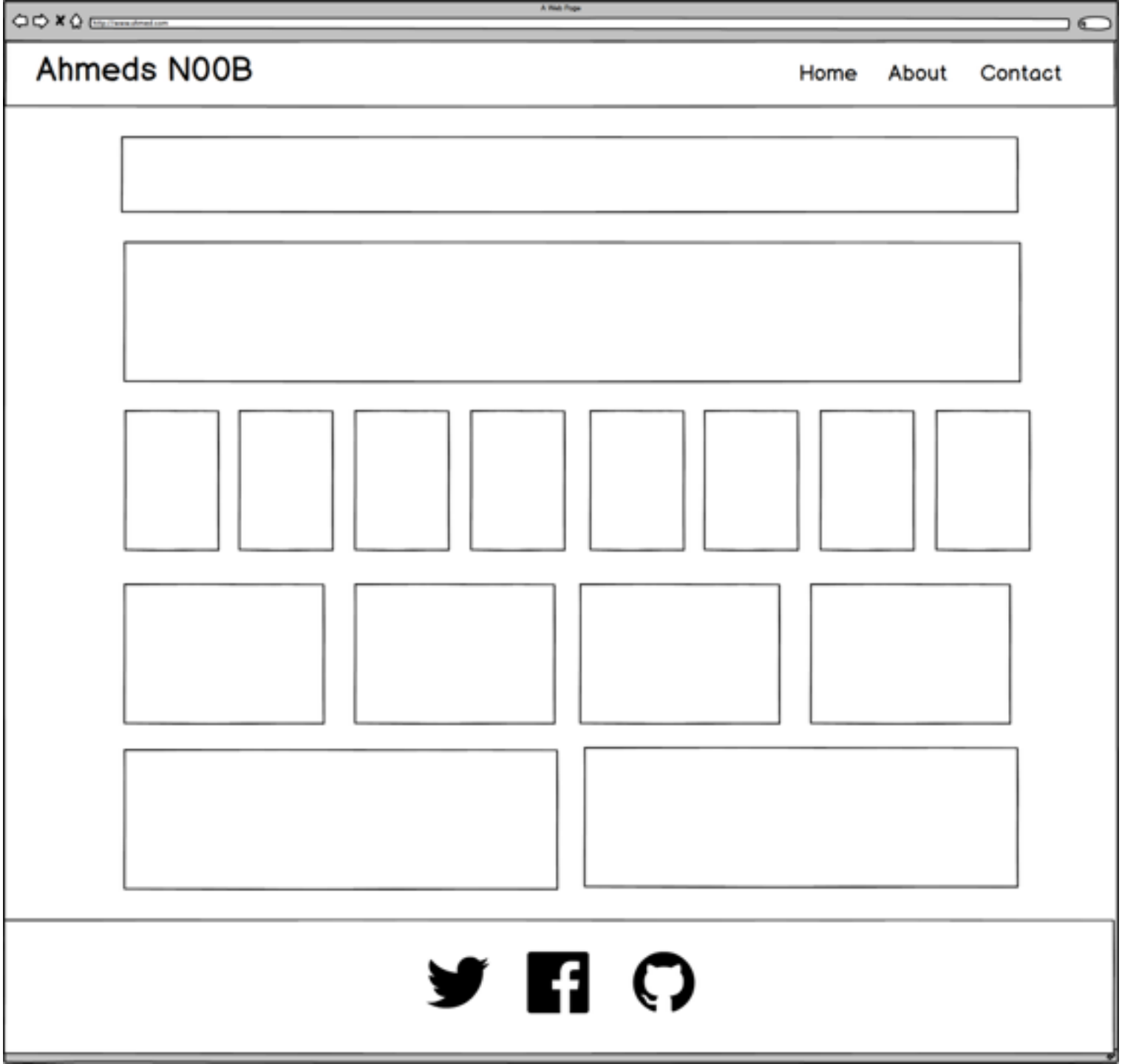
Rows and Columns

Workshop

© 2016 | Coding Boot Camp - All Rights Reserved

Web Design Fundamentally = Wireframes

© 2016 | Coding Boot Camp - All Rights Reserved


Ahmeds N00B
Home
About
Contact

ROWS

1

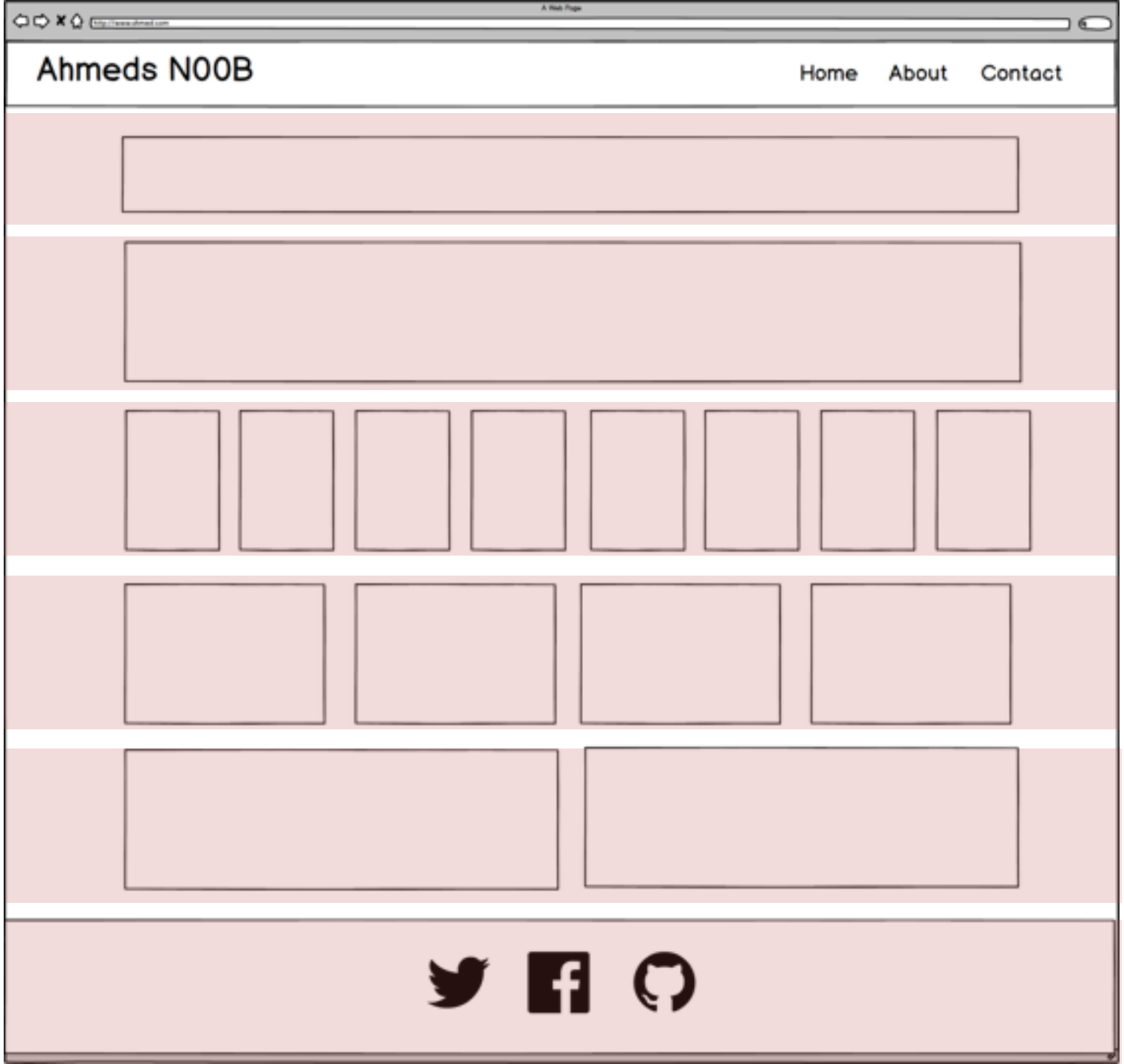
1

1

1

1

1



6
Total

COLUMNS

1

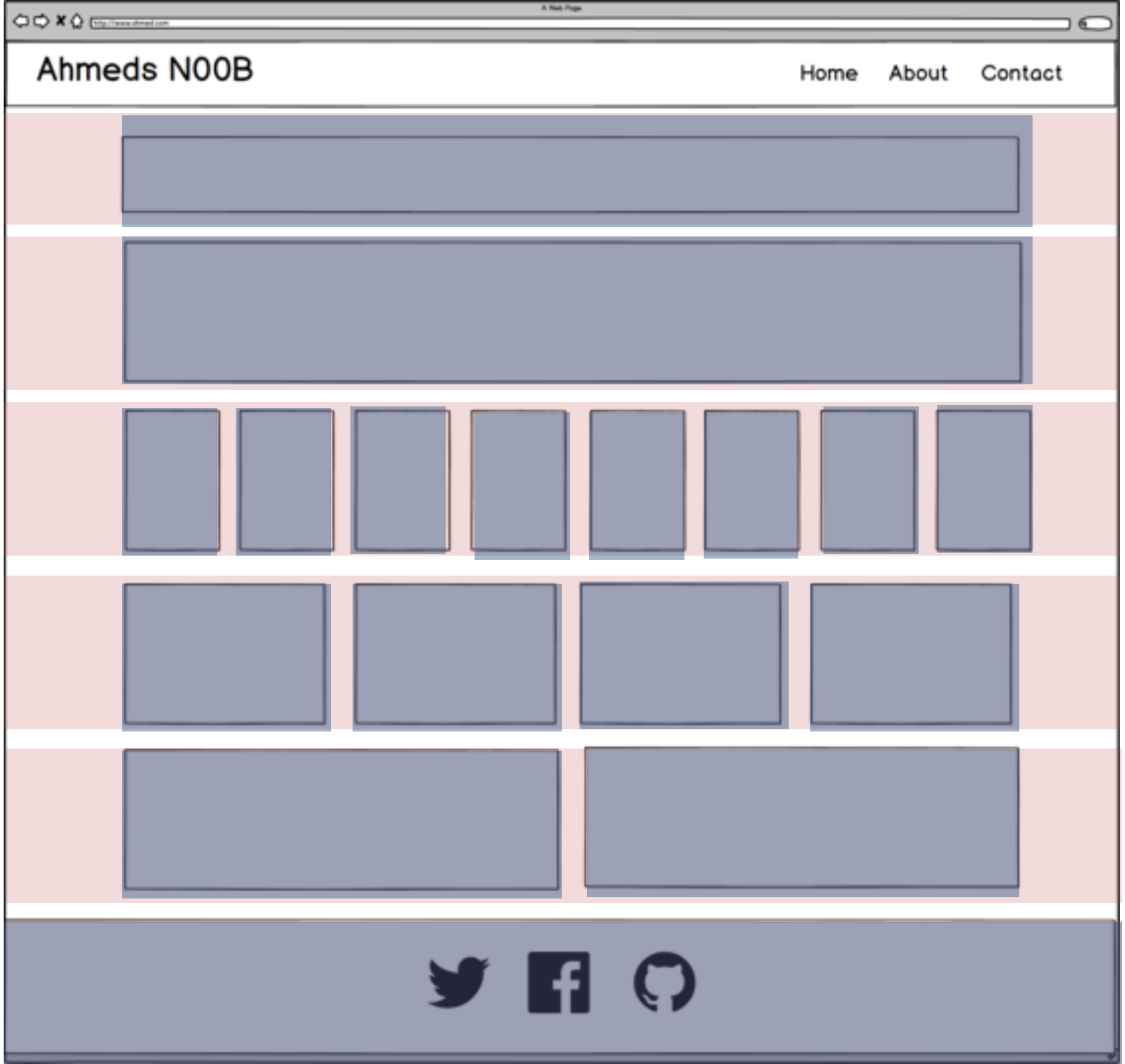
1

8

4

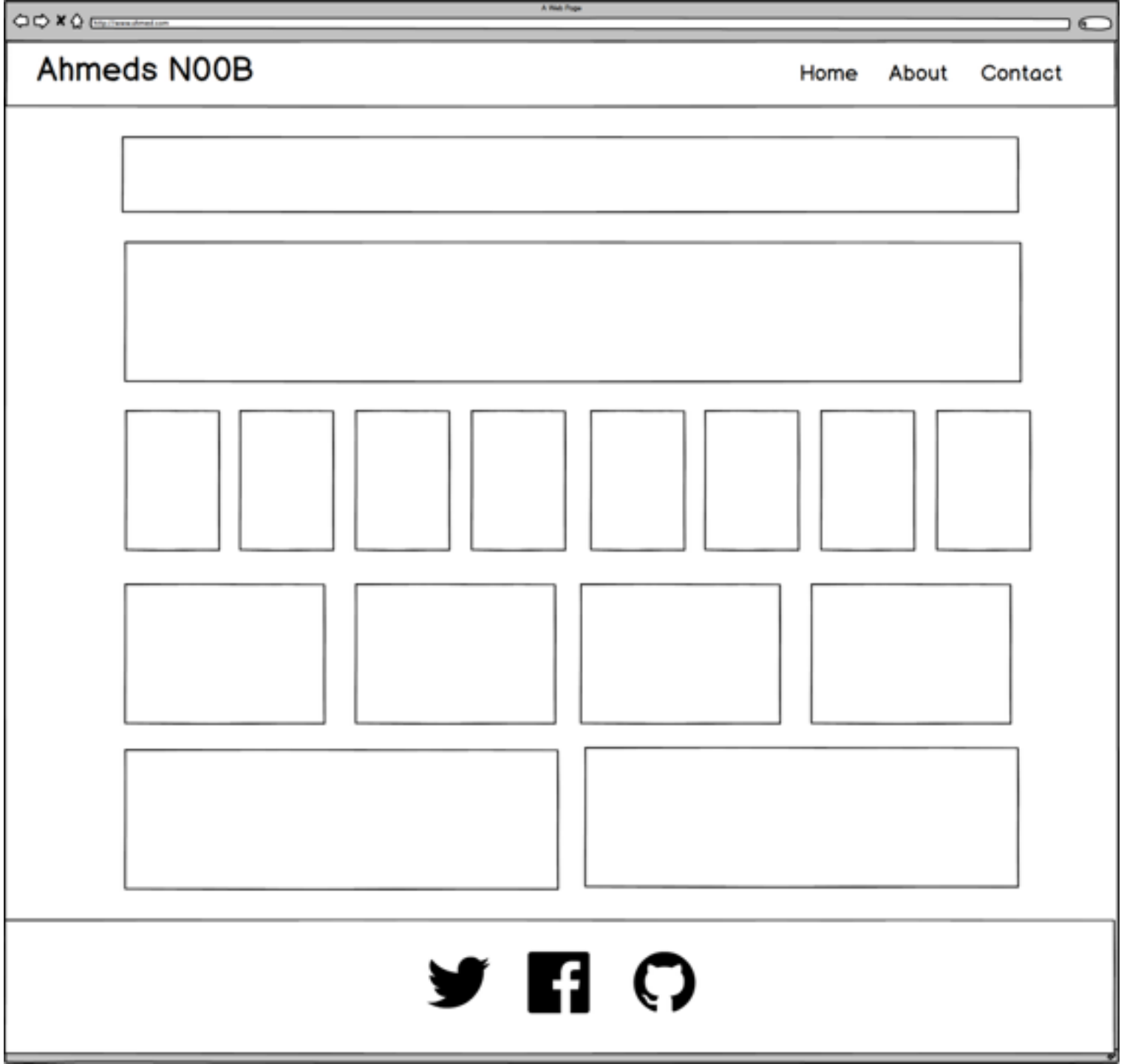
2

1



Total
Not
relevant

You Try!



Level Up!

Now, let’s make it more challenging…

© 2016 | Coding Boot Camp - All Rights Reserved

Ahmeds News

Home About Contact

Awesome Stories

The Greatest Website Ever Made

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed nec volutpat mauris. Integer est purus, vestibulum non felis ut, vehicula suscipit tellus. Donec dictum vel metus efficitur egestas. Donec fringilla in ante nec viverra. Suspendisse dapibus nibh eget lectus malesuada, non commodo orci sollicitudin. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam erat volutpat. Etiam pharetra odio vel ornare porttitor. Nulla facilisi. Sed posuere varius vulputate. Mauris at ex lectus. Nam luctus augue tellus, at dignissim sapien gravida ac.

The Greatest Website Ever Made

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed nec volutpat mauris. Integer est purus, vestibulum non felis ut, vehicula suscipit tellus. Donec dictum vel metus efficitur egestas. Donec fringilla in ante nec viverra. Suspendisse dapibus nibh eget lectus malesuada, non commodo orci sollicitudin. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam erat volutpat. Etiam pharetra odio vel ornare porttitor. Nulla facilisi. Sed posuere varius vulputate. Mauris at ex lectus. Nam luctus augue tellus, at dignissim sapien gravida ac.

ROWS

1

1

1

1

4

Total

COLUMNS

1

2

2

1

Ahmeds News

Home About Contact

Awesome Stories

The Greatest Website Ever Made

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed nec volutpat mauris. Integer est purus, vestibulum non felis ut, vehicula suscipit tellus. Donec dictum vel metus efficitur egestas. Donec fringilla in ante nec viverra. Suspendisse dapibus nibh eget lectus malesuada, non commodo orci sollicitudin. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam erat volutpat. Etiam pharetra odio vel ornare porttitor. Nulla facilisi. Sed posuere varius vulputate. Mauris at ex lectus. Nam luctus augue tellus, at dignissim sapien gravida ac.

The Greatest Website Ever Made

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed nec volutpat mauris. Integer est purus, vestibulum non felis ut, vehicula suscipit tellus. Donec dictum vel metus efficitur egestas. Donec fringilla in ante nec viverra. Suspendisse dapibus nibh eget lectus malesuada, non commodo orci sollicitudin. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam erat volutpat. Etiam pharetra odio vel ornare porttitor. Nulla facilisi. Sed posuere varius vulputate. Mauris at ex lectus. Nam luctus augue tellus, at dignissim sapien gravida ac.

Total
Not
relevant

Level Up!

Now for another…

© 2016 | Coding Boot Camp - All Rights Reserved

AhmedsHouse

Home About Contact

The Greatest Website Ever Made

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo

The Greatest Website Ever Made

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed nec volutpat mauris. Integer est purus, vestibulum non felis ut, vehicula suscipit tellus. Donec dictum vel metus efficitur egestas. Donec fringilla in ante nec viverra. Suspendisse dapibus nibh eget lectus malesuada, non commodo orci sollicitudin. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam erat volutpat. Etiam pharetra odio vel ornare porttitor. Nulla facilisi. Sed posuere varius vulputate. Mauris at ex lectus. Nam luctus augue tellus, at dignissim sapien gravida ac.

ROWS

1

1***

1

1

4
Total

AhmedsHouse

Home About Contact

The Greatest Website Ever Made

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo

The Greatest Website Ever Made

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed nec volutpat mauris. Integer est purus, vestibulum non felis ut, vehicula suscipit tellus. Donec dictum vel metus efficitur egestas. Donec fringilla in ante nec viverra. Suspendisse dapibus nibh eget lectus malesuada, non commodo orci sollicitudin. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam erat volutpat. Etiam pharetra odio vel ornare porttitor. Nulla facilisi. Sed posuere varius vulputate. Mauris at ex lectus. Nam luctus augue tellus, at dignissim sapien gravida ac.

COLUMNS

1

3

1

1

AhmedsHouse

Home About Contact

The Greatest Website Ever Made

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo

The Greatest Website Ever Made

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed nec volutpat mauris. Integer est purus, vestibulum non felis ut, vehicula suscipit tellus. Donec dictum vel metus efficitur egestas. Donec fringilla in ante nec viverra. Suspendisse dapibus nibh eget lectus malesuada, non commodo orci sollicitudin. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam erat volutpat. Etiam pharetra odio vel ornare porttitor. Nulla facilisi. Sed posuere varius vulputate. Mauris at ex lectus. Nam luctus augue tellus, at dignissim sapien gravida ac.

Total
Not
relevant

You Try!

AhmedsHouse

Home About Contact

The Greatest Website Ever Made

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo

The Greatest Website Ever Made

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed nec volutpat mauris. Integer est purus, vestibulum non felis ut, vehicula suscipit tellus. Donec dictum vel metus efficitur egestas. Donec fringilla in ante nec viverra. Suspendisse dapibus nibh eget lectus malesuada, non commodo orci sollicitudin. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam erat volutpat. Etiam pharetra odio vel ornare porttitor. Nulla facilisi. Sed posuere varius vulputate. Mauris at ex lectus. Nam luctus augue tellus, at dignissim sapien gravida ac.

Level Up!

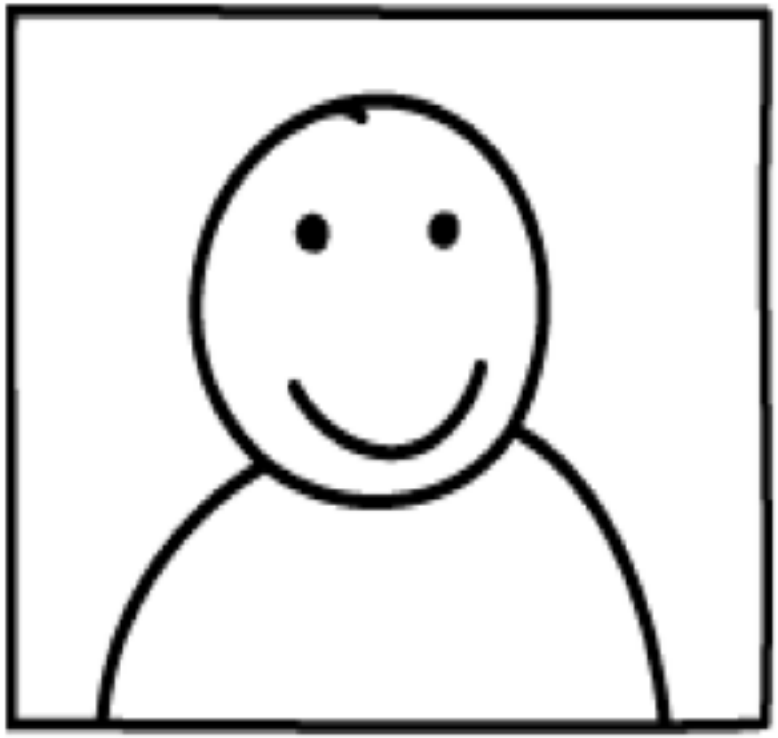
This final one is tricky…

© 2016 | Coding Boot Camp - All Rights Reserved

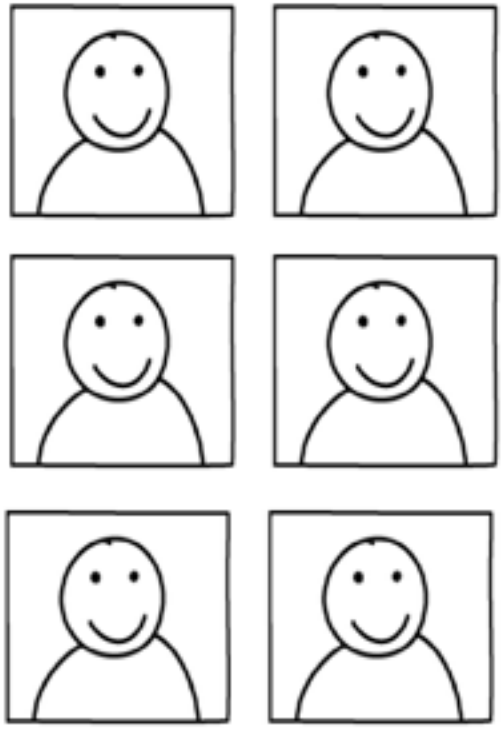
Ahmeds Photos

Home About Contact

Awesome Photos



Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed nec volutpat mauris. Integer est purus, vestibulum non felis ut, vehicula suscipit tellus. Donec dictum vel metus efficitur egestas. Donec fringilla in ante nec viverra. Suspendisse dapibus nibh eget lectus malesuada, non commodo orci sollicitudin. Cum sociis natoque penatibus et magnis dis



Click Photo to View

Level Up!

Didn’t quite work right?

For this one we need sub-rows and sub-columns

© 2016 | Coding Boot Camp - All Rights Reserved

ROWS

1

1***

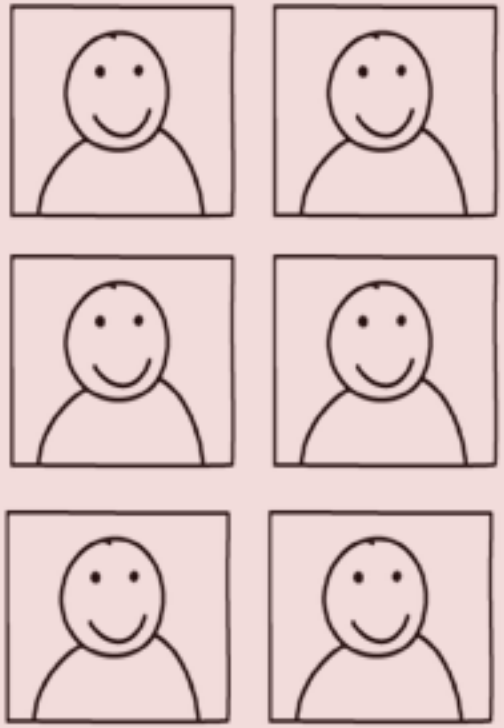
1***

1

Ahmeds Photos

Home About Contact

Awesome Photos



Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed nec volutpat mauris. Integer est purus, vestibulum non felis ut, vehicula suscipit tellus. Donec dictum vel metus efficitur egestas. Donec fringilla in ante nec viverra. Suspendisse dapibus nibh eget lectus malesuada, non commodo orci sollicitudin. Cum sociis natoque penatibus et magnis dis

Click Photo to View

4

Total

COLUMNS

1

2

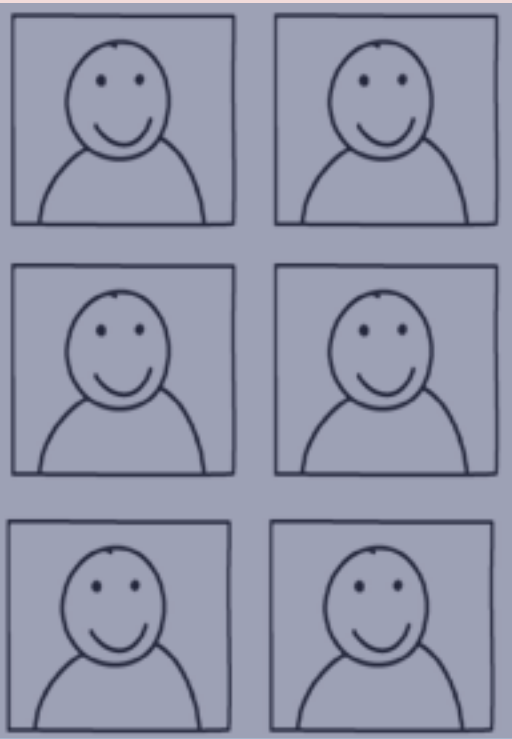
1

Ahmeds Photos

Home About Contact

Awesome Photos

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed nec volutpat mauris. Integer est purus, vestibulum non felis ut, vehicula suscipit tellus. Donec dictum vel metus efficitur egestas. Donec fringilla in ante nec viverra. Suspendisse dapibus nibh eget lectus malesuada, non commodo orci sollicitudin. Cum sociis natoque penatibus et magnis dis



Click Photo to View

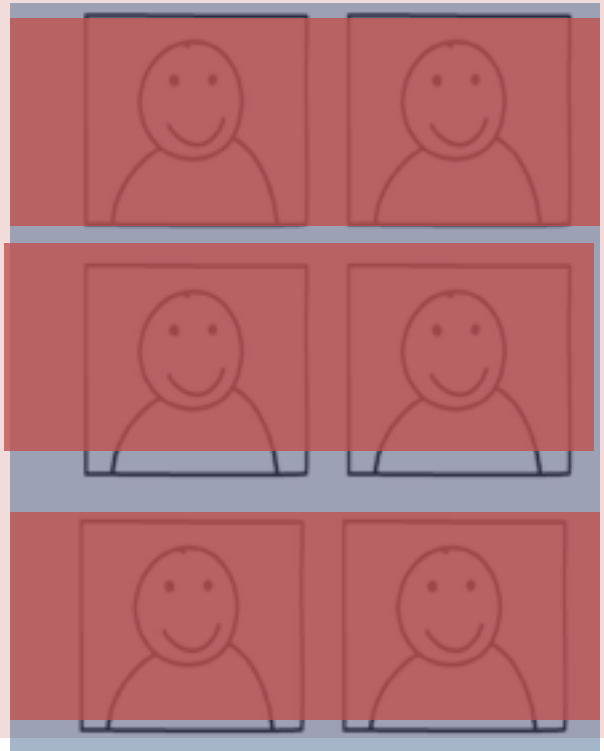
Total
Not
relevant

Ahmeds Photos

Home About Contact

Awesome Photos

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed nec volutpat mauris. Integer est purus, vestibulum non felis ut, vehicula suscipit tellus. Donec dictum vel metus efficitur egestas. Donec fringilla in ante nec viverra. Suspendisse dapibus nibh eget lectus malesuada, non commodo orci sollicitudin. Cum sociis natoque penatibus et magnis dis



Click Photo to View

SUB-ROWS

1

1

1

1

4

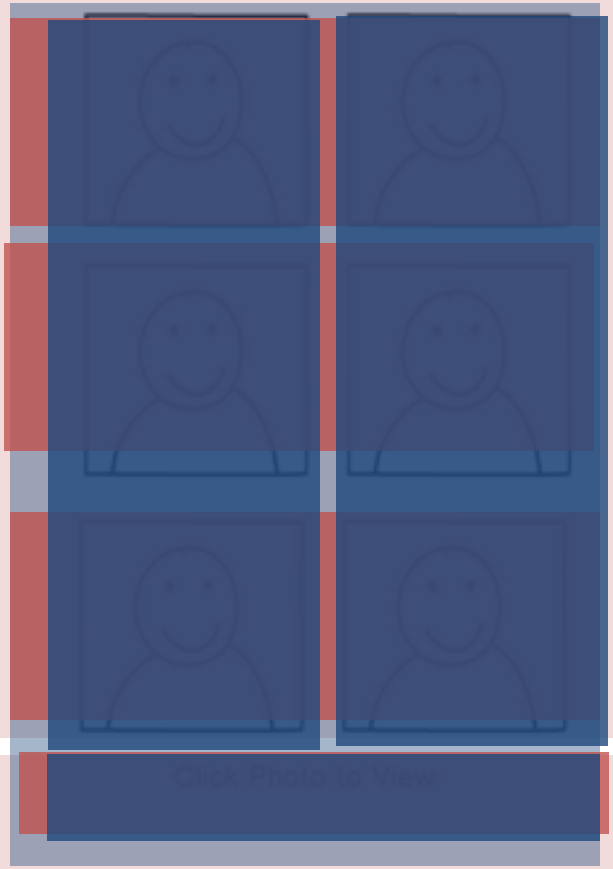
Total

Ahmeds Photos

Home About Contact

Awesome Photos

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed nec volutpat mauris. Integer est purus, vestibulum non felis ut, vehicula suscipit tellus. Donec dictum vel metus efficitur egestas. Donec fringilla in ante nec viverra. Suspendisse dapibus nibh eget lectus malesuada, non commodo orci sollicitudin. Cum sociis natoque penatibus et magnis dis



SUB-COLUMNS

2

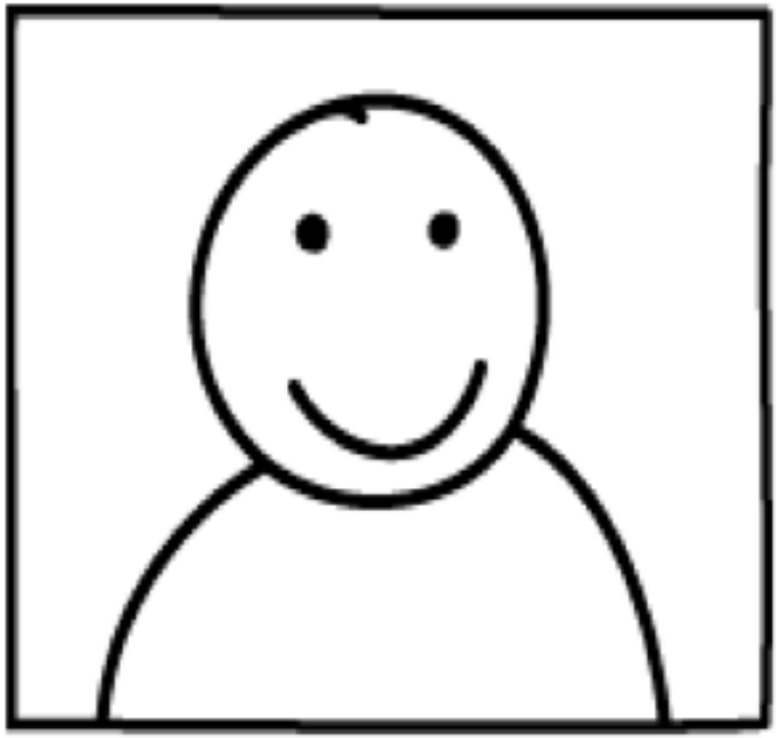
1

You Try!

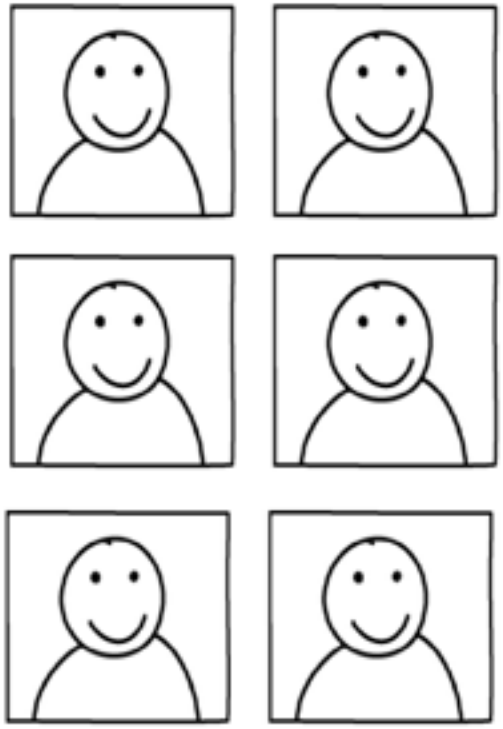
Ahmeds Photos

Home About Contact

Awesome Photos



Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed nec volutpat mauris. Integer est purus, vestibulum non felis ut, vehicula suscipit tellus. Donec dictum vel metus efficitur egestas. Donec fringilla in ante nec viverra. Suspendisse dapibus nibh eget lectus malesuada, non commodo orci sollicitudin. Cum sociis natoque penatibus et magnis dis



Click Photo to View

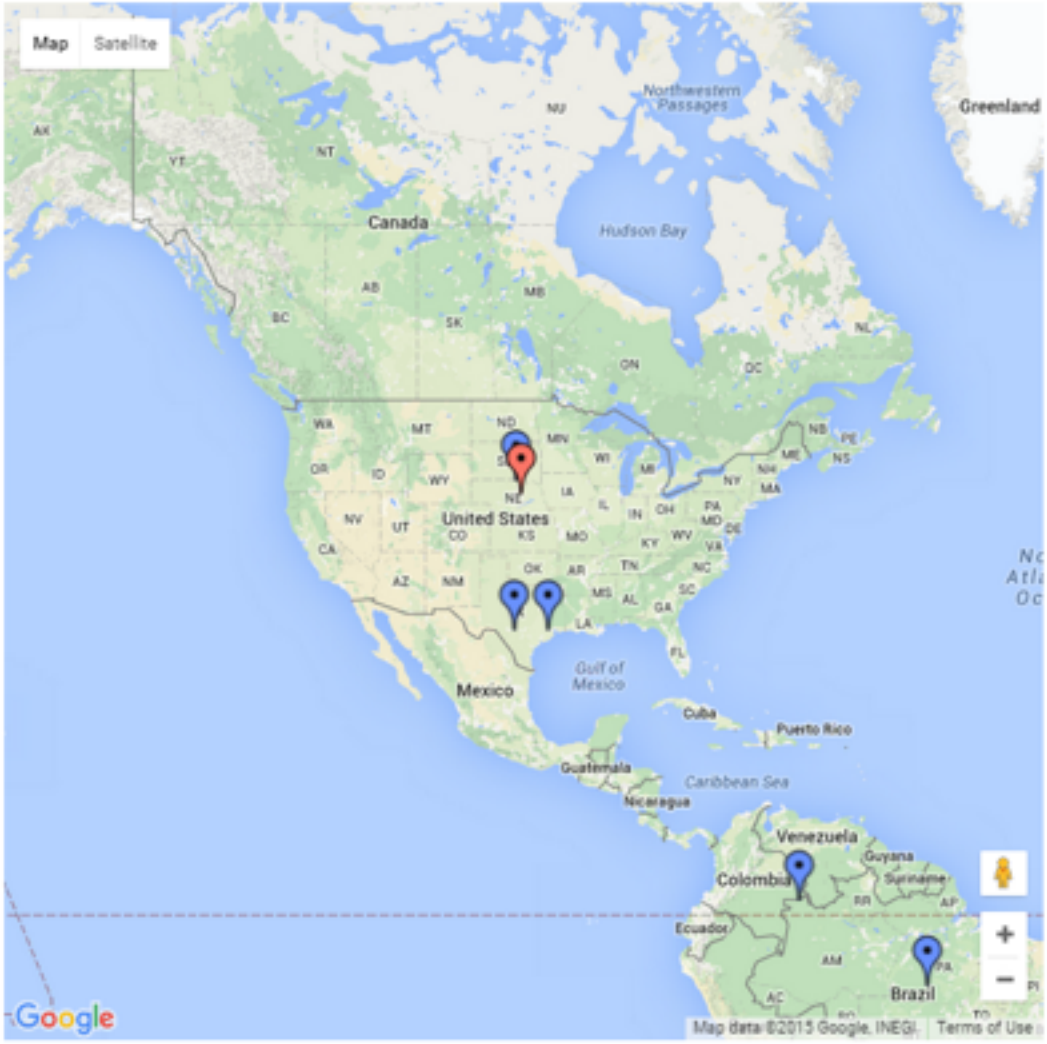
Real Example App

https://mean-google-maps.herokuapp.com/

© 2016 | Coding Boot Camp - All Rights Reserved

The Scotch MEAN MapApp

Join the Team | Find Teammates



Join the Scotch Team!

Username Required

OldandGold

Gender

- Male
- Female
- What's it to ya?

Age

72

Favorite Language

Fortran

Latitude

39.5

Longitude

-98.35

HTML5 Verified Location?

Nope (Thanks for spamming my map...)

Submit

ROWS

The Scotch MEAN MapApp

Join the Team | Find Teammates

Join the Scotch Team!

Username Required

OldandGold

Gender

- Male
- Female
- What's it to ya?

Age

72

Favorite Language

Fortran

Latitude

39.5

Longitude

-98.35

HTML5 Verified Location?

Nope (Thanks for spamming my map...)

Submit

1

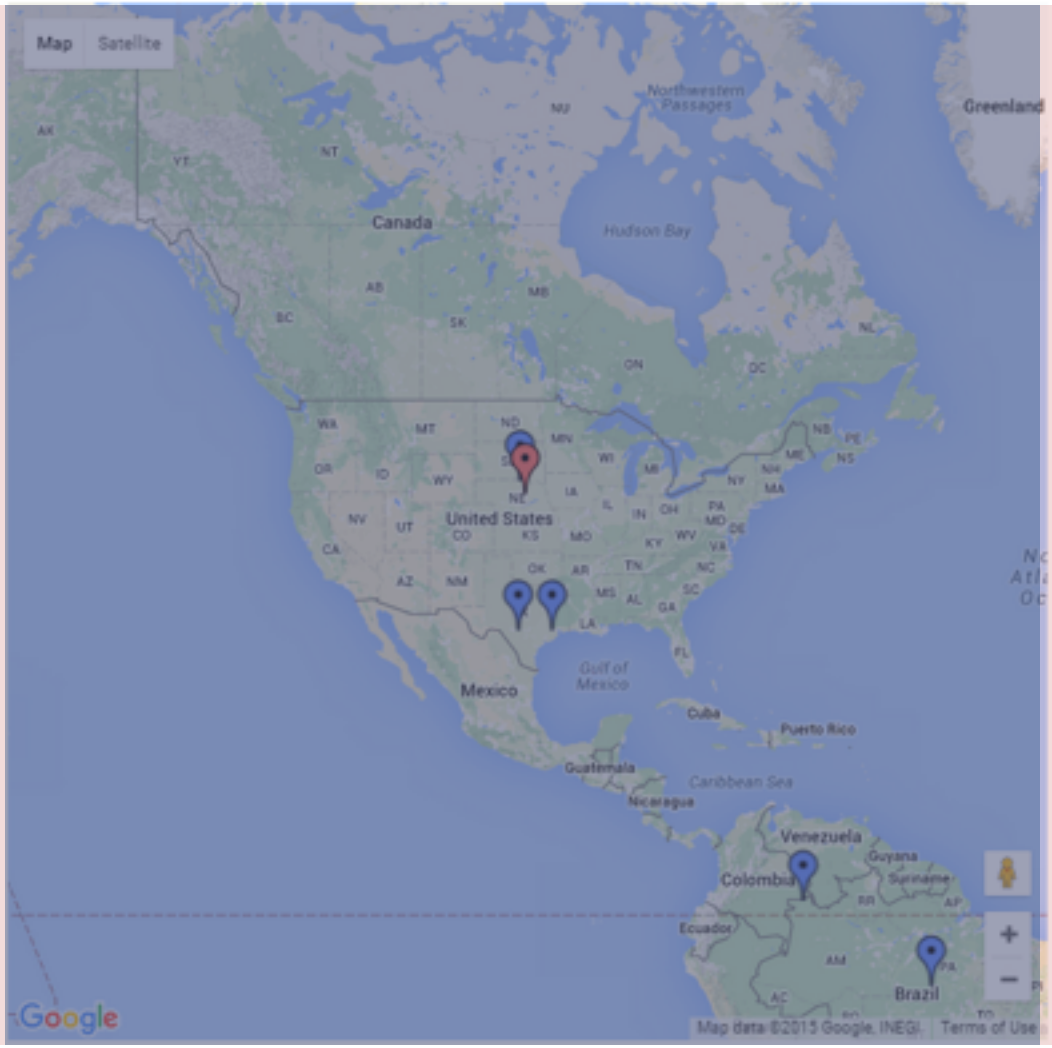
1

Created by Ahmed Haque for Scotch IO - App Tutorial | Github Repo

COLUMNS

The Scotch MEAN MapApp

Join the Team | Find Teammates



Join the Scotch Team!

Username Required

OldandGold

Gender

- Male
- Female
- What's it to ya?

Age

72

Favorite Language

Fortran

Latitude

39.5

Longitude

-98.35

HTML5 Verified Location?

Nope (Thanks for spamming my map...)

Submit

2

1

YOU
MADE
IT

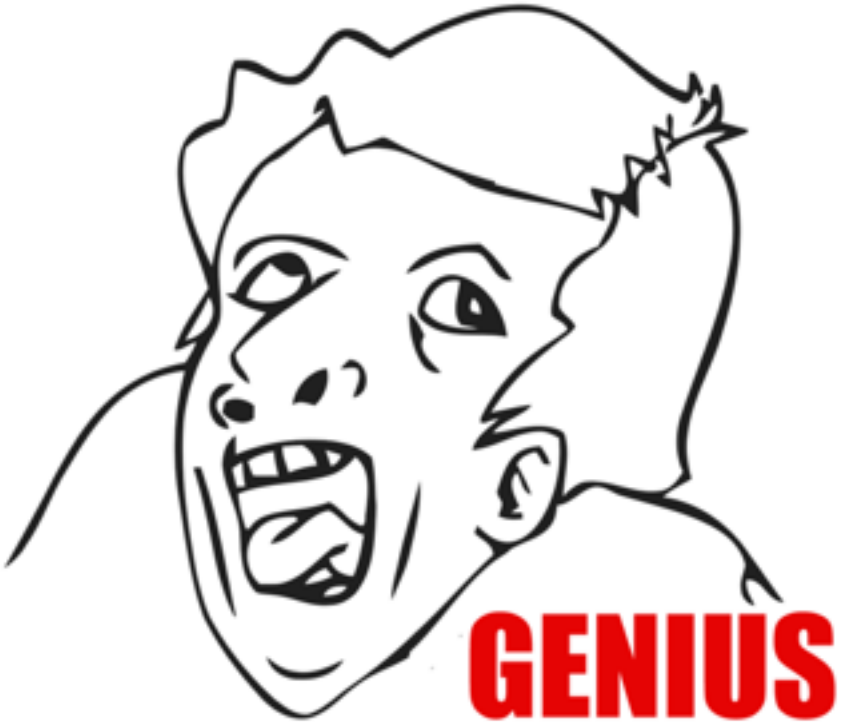
Grid Design with Bootstrap

© 2016 | Coding Boot Camp - All Rights Reserved

More Genius Time!

Warning!

This is a fairly “tricky”… **but VERY IMPORTANT topic.**



Time to channel that inner genius.

© 2016 | Coding Boot Camp - All Rights Reserved

Ahmeds News

Home About Contact

Awesome Stories

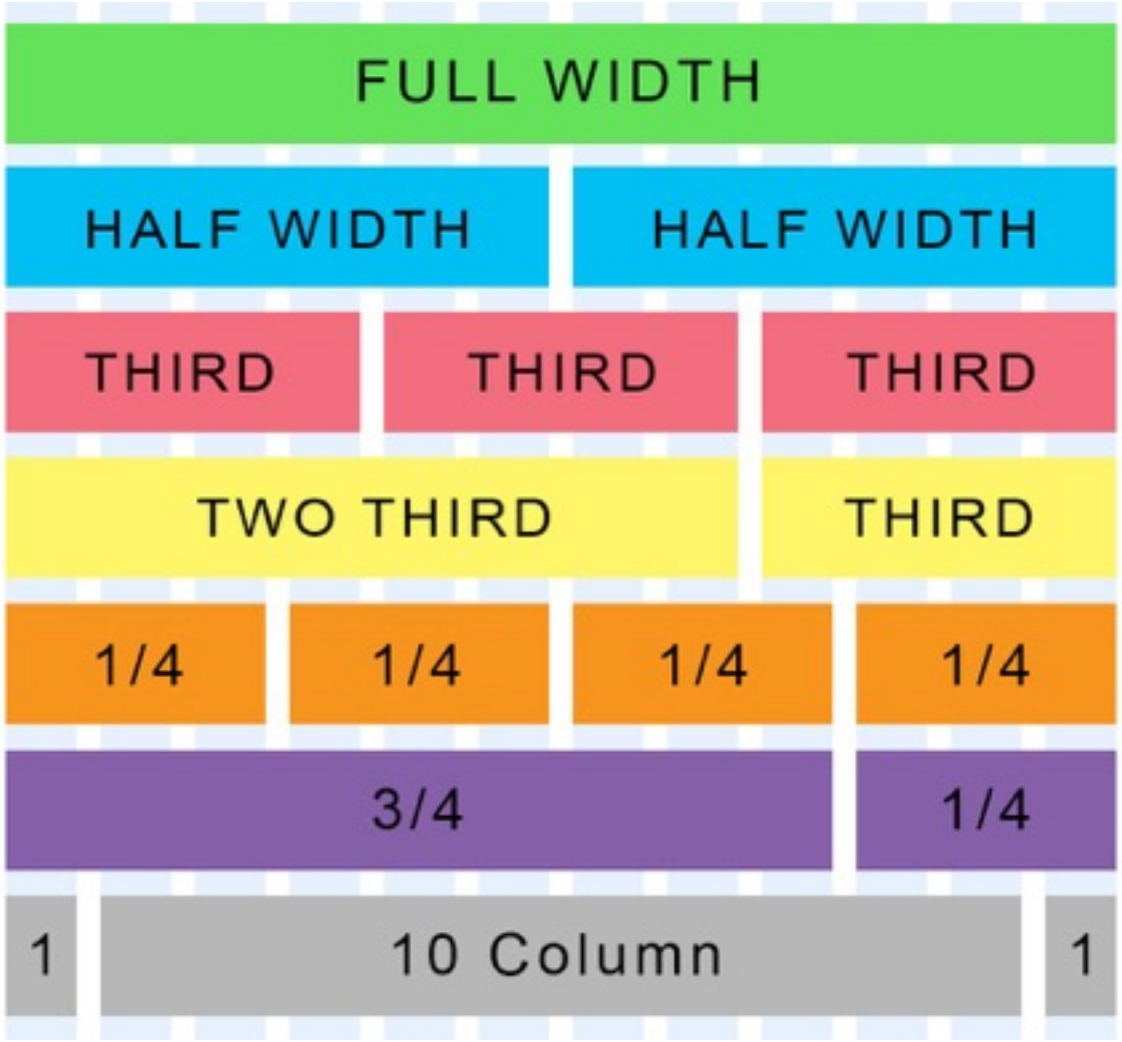
The Greatest Website Ever Made

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed nec volutpat mauris. Integer est purus, vestibulum non felis ut, vehicula suscipit tellus. Donec dictum vel metus efficitur egestas. Donec fringilla in ante nec viverra. Suspendisse dapibus nibh eget lectus malesuada, non commodo orci sollicitudin. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam erat volutpat. Etiam pharetra odio vel ornare porttitor. Nulla facilisi. Sed posuere varius vulputate. Mauris at ex lectus. Nam luctus augue tellus, at dignissim sapien gravida ac.

The Greatest Website Ever Made

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed nec volutpat mauris. Integer est purus, vestibulum non felis ut, vehicula suscipit tellus. Donec dictum vel metus efficitur egestas. Donec fringilla in ante nec viverra. Suspendisse dapibus nibh eget lectus malesuada, non commodo orci sollicitudin. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam erat volutpat. Etiam pharetra odio vel ornare porttitor. Nulla facilisi. Sed posuere varius vulputate. Mauris at ex lectus. Nam luctus augue tellus, at dignissim sapien gravida ac.

Bootstrap Grid



Bootstrap lets you organize content based on the “number of columns” a div spans – out of a total 12 columns.

Example:

(Spans full width)

(Spans 1/3 of full width)

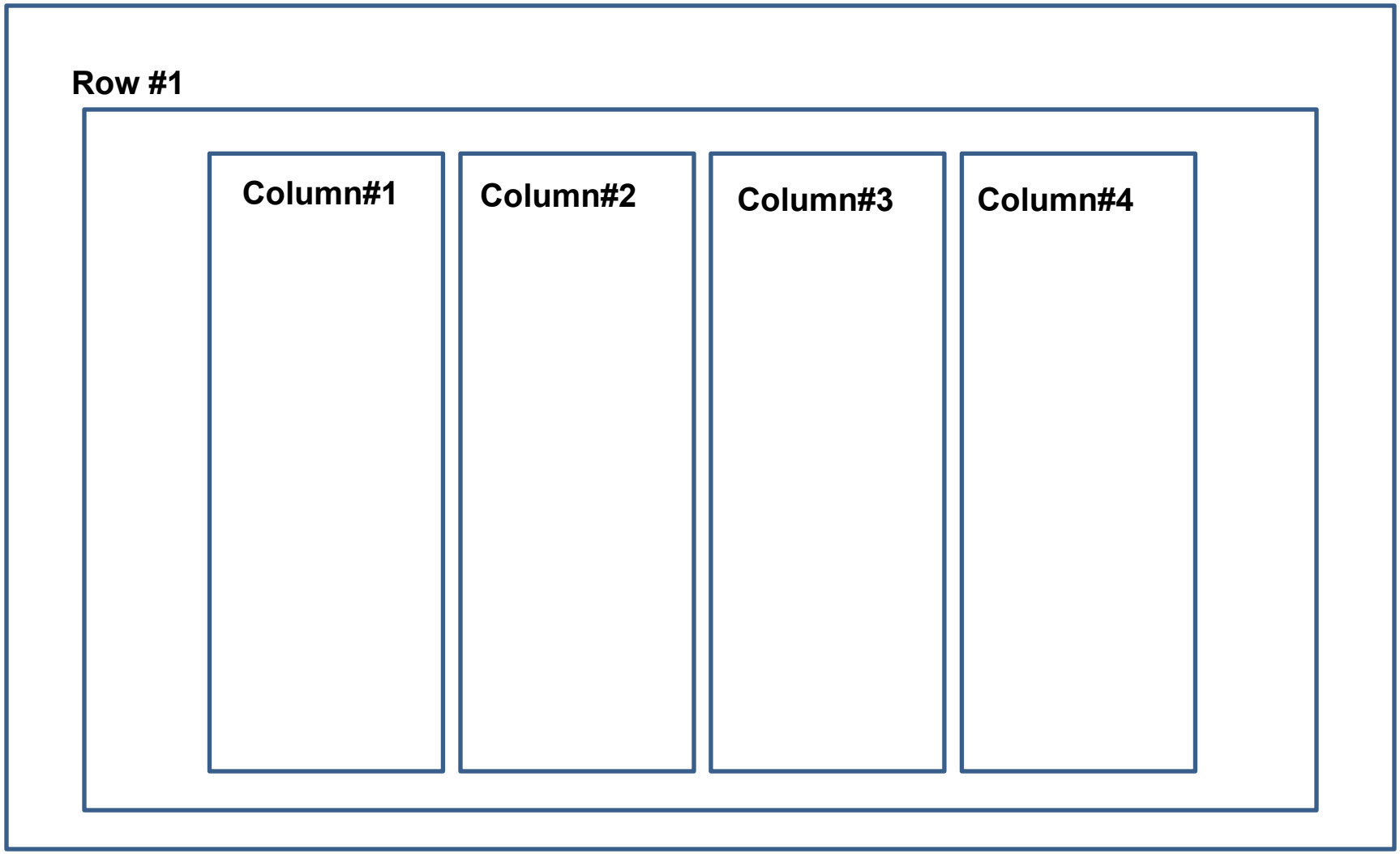
© 2016 | Coding Boot Camp - All Rights Reserved

Bootstrap Grids

- Every Bootstrap Grids is made up of…
  - **containers** - which wrap around the entire grid)
  - **rows** - which are defined first and are just rows)
  - **columns** - which are defined within rows and specify the columns. The sum total of all columns within a row **must** add up to 12.
- Each of these elements is implemented by creating a **div** with a specific class name.

© 2016 | Coding Boot Camp - All Rights Reserved

Defining Columns



© 2016 | Coding Boot Camp - All Rights Reserved

> YOUR TURN!!

Quick Activity:

Turn to your neighbors and explain to one another:

1. The relationship between **containers**, **rows**, and **columns**. (Draw it on a piece of paper for them)

2. The syntax for each.

3. The specific syntax details for columns.

© 2016 | Coding Boot Camp - All Rights Reserved

Coding Grids

© 2016 | Coding Boot Camp - All Rights Reserved

INSTRUCTOR DEMO!

Instructor: Demo

(quickgrid.html | 2-InstructorGrids)

© 2016 | Coding Boot Camp - All Rights Reserved

Bootstrap Grid

```
<!-- Creates the Overall Grid -->
<div class="container">

    <!-- First Row -->
    <div class="row">
        <!-- First (and only column) -->
        <div class="col-lg-12">
            <h1>I'm in Column 1 of 1. I stretch the entire width. And keep going.</h1>
        </div>
    </div>

    <!-- Second Row -->
    <div class="row">
        <!-- First of two columns -->
        <div class="col-lg-6">
            <h1>I'm in Column 1 of 2</h1>
        </div>
        <!-- Second of two columns -->
        <div class="col-lg-6">
            <h1>I'm in Column 2 of 2</h1>
        </div>
    </div>

</div>
```

Note the rows, columns (col-lg-6), and containers

© 2016 | Coding Boot Camp - All Rights Reserved

Bootstrap Grid

```
<!-- Creates the Overall Grid -->
<div class="container">

    <!-- First Row -->
    <div class="row">
        <!-- First (and only column) -->
```

```
        </div>
        <!-- Second of two columns -->
        <div class="col-lg-6">
            <h1>I'm in Column 2 of 2</h1>
        </div>
    </div>

</div>
```

Note the rows, columns (col-lg-6), and containers

© 2016 | Coding Boot Camp - All Rights Reserved

Defining Containers

```
<!-- Creates the Container -->
<div class="container">
    <!-- Inside we fill it up with rows and columns -->
</div>
```

“Containers” are like the box that the entire grid sits inside.

© 2016 | Coding Boot Camp - All Rights Reserved

Defining Rows

```
<div class="container">

    <!-- Defines the row -->
    <div class="row">
        <!-- Columns fit inside -->
    </div>

</div>
```

“Rows” are like the rows we talked about earlier.

© 2016 | Coding Boot Camp - All Rights Reserved

Defining Columns

```
<div class="row">

    <div class="col-md-4">
        <!-- This is column 1 of 3 -->
    </div>
    <div class="col-md-4">
        <!-- This is column 2 of 3 -->
    </div>
    <div class="col-md-4">
        <!-- This is colmn 3 of 3 -->
    </div>

</div>
```

“Columns” fit inside of rows. Note the syntax: col-sz-#

Col = column

sz = viewing size (in this case: medium)

= number of “columns taken” out of 12. (in this case 4 of 12)

© 2016 | Coding Boot Camp - All Rights Reserved

> YOUR TURN!!

Activity:

Using Twitter bootstrap, create a layout that looks like the one shown on the next screen.

- Spend some time prior to coding to draw out the grid layout
- Count the number of rows and columns
- Then use the bootstrap grid syntax to code it out.
- Slack a screenshot of your page when you are done.

© 2016 | Coding Boot Camp - All Rights Reserved

> YOUR TURN!!

Header

Lorem ipsum dolor sit amet, consectetur adipisicing elit. Incidunt optio provident tempora amet, eveniet et, eum illum, culpa laborum dicta recusandae magni architecto. Illo saepe facilis, unde. Debitis, atque, doloremque?

Lorem ipsum dolor sit amet, consectetur adipisicing elit. At dolorum perferendis voluptates error ullam placeat repellendus. Repellendus error repellat veritatis recusandae voluptates earum rerum consectetur itaque, ipsam nihil. Alias, nemo.

Lorem ipsum dolor sit amet, consectetur adipisicing elit. Dolores ratione sint ex porro excepturi non dolorum, ullam ea quae vel earum, soluta obcaecati natus. Eligendi iusto accusantium mollitia debitis assumenda!

Lorem ipsum dolor sit amet, consectetur adipisicing elit. Consequuntur optio dolorem dolores odio alias perferendis, commodi cum. Natus libero cum dolore officia quia eveniet modi reprehenderit soluta ratione quisquam? Sequi.

Lorem ipsum dolor sit amet, consectetur adipisicing elit. Consequuntur optio dolorem dolores odio alias perferendis, commodi cum. Natus libero cum dolore officia quia eveniet modi reprehenderit soluta ratione quisquam? Sequi.

Lorem ipsum dolor sit amet, consectetur adipisicing elit. Consequuntur optio dolorem dolores odio alias perferendis, commodi cum. Natus libero cum dolore officia quia eveniet modi reprehenderit soluta ratione quisquam? Sequi.

Lorem ipsum dolor sit amet, consectetur adipisicing elit. Consequuntur optio dolorem dolores odio alias perferendis, commodi cum. Natus libero cum dolore officia quia eveniet modi reprehenderit soluta ratione quisquam? Sequi.

Lorem ipsum dolor sit amet, consectetur adipisicing elit. Consequuntur optio dolorem dolores odio alias perferendis, commodi cum. Natus libero cum dolore officia quia eveniet modi reprehenderit soluta ratione quisquam? Sequi.

Lorem ipsum dolor sit amet, consectetur adipisicing elit. Consequuntur optio dolorem dolores odio alias perferendis, commodi cum. Natus libero cum dolore officia quia eveniet modi reprehenderit soluta ratione quisquam? Sequi.

Lorem ipsum dolor sit amet, consectetur adipisicing elit. Deleniti illo voluptates blanditiis nisi! Ullam dolore aspernatur, ratione error similique veniam iusto, labore repellat eaque nostrum optio doloribus illo nihil dolor?

Lorem ipsum dolor sit amet, consectetur adipisicing elit. Commodi sequi ex quam quia iste, nemo molestias dolor, qui dolorem voluptatibus ipsa maxime voluptas et deserunt porro repellendus veritatis nesciunt quisquam.

© 2016 | Coding Boot Camp - All Rights Reserved

Break!

© 2016 | Coding Boot Camp - All Rights Reserved