CREATING RESPONSIVE WEB PAGES WITH
BOOTSTRAP 3

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WHAT I WILL COVER

• Responsive Design
• Why Bootstrap?
  ▪ My circuitous discovery of Bootstrap
• Features of Bootstrap
• Getting started with Bootstrap
• Epic Fail!!/lessons learned
RESPONSIVE DESIGN

- Design philosophy
- Best possible user interface regardless of screen size
  - One site for every screen
- Not really achievable until 2012
  - W3C recommendation of CSS3 media queries
  - HTML5
- Oops I missed that boat! Why did I launch a site in 2013?
WHAT IS BOOTSTRAP?

- Front End Framework
- Basically just CSS and JS
- Created by Twitter for Consistency in internal projects
- As bootstrap 2 has supported responsive design grids
WHY BOOTSTRAP?

- Mobile-first responsive design
- Easy to use
  - Even for the non-developer
  - Perfect for small colleges without much IT support
- Consistency
- Complex responsive features and Javascript features with only basic knowledge of html and css
MY CIRCUITOUS DISCOVERY OF BOOTSTRAP

- Accessyyt 2013
- CRDB
- Needed consistancy
- Modern login forms
NEW FORM
FEATURES

Let's check out the features visually on the bootstrap website
FEATURES

- Excellent documentation
- Easy to follow examples
- Easy copy and paste template
USING BOOTSTRAP

- Download bootstrap
- Set up site in the same directory
<!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">
  </head>
</html>
LINK TO CSS AND JS FILES

between head tags

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

In the footer

<script src="js/bootstrap.min.js"></script>
LETS GIVE IT A QUICK TRY

http://getbootstrap.com
GRID SYSTEM

- 12 column grid system
- Use divs with a class formatted like .col-*size-*width in columns
- Sizes are: xs, sm, md, lg
- Number in each row must add up to 12
IT'S HARD TO EXPLAIN LET'S TAKE A LOOK

```html
<div class="container">
  <div class="row">
    <div class="col-md-6"></div>
    <div class="col-md-6"></div>
  </div>
  <div class="row">
    <div class="col-sm-4"></div>
    <div class="col-sm-4"></div>
    <div class="col-sm-4"></div>
  </div>
</div>
```
FAIL/LESSONS LEARNED

- If it's so easy, why isn't our library site responsive
- Mobile first responsive requires complete redesign
- You can't just use bootstrap as new skin over an old site
  - learned that one the hard way
  - Look at my fail
QUESTIONS?
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