

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

OLD FORM



CONCORDIA
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HOMEFIND BOOKSFIND ARTICLES AND MOREHOW DO I SERVICESABOUT US

Library Quicklinks

My Account

Citation Guides

Course Reserves

Journals by Title

Faculty Resources

Mobile Apps

My Account, Renewals, Holds and Fines

My Account

Barcode (13 digits):

PIN (4 digits):

[What is my barcode and PIN ?](#)

Log into "My Account" to:

- View items you have checked out
- View Items you have on hold
- Renew Items that are Checked out ([click here for Renewal Policy](#))
- View Fines ([click here for fines policies](#))
- Change your PIN (4 digits only)

[Click here to appeal charges or fines](#)



NEW FORM



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[Sign in](#) [Forgot your PIN?](#)

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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

HEADER

The essentials

```
<!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 LETS TAKE A LOOK

```
<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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