

HTML FORMS

The background of the slide features a repeating watermark of the 'Grand Circus Detroit' logo. The logo consists of the words 'GRAND CIRCUS' in a bold, sans-serif font, with 'DETROIT' in a smaller font below it, all enclosed within a stylized circular border that resembles a building's facade.

FORMS

Forms are used to send data back to a server from user inputs

FORM TAGS

```
<form action="some-url" method="get">  
  <!-- Form inputs and other html -->  
</form>
```

METHODS AND ACTIONS

Action is the URL you want the data to be sent to

Method is the HTTP methods used to transfer data

- GET
- POST
- And others

FORM TAGS

```
<input type="text" name="firstname" placeholder="Name?">
```

TYPES OF INPUTS

- Text (type="text")
- Radio Button (type="radio")
- Checkbox (type="checkbox")
- Password (type="password")
- Date (type="date")
- Time (type="time")
- Date & Time (type="datetime")
- Email (type="email")
- Submit
- `<input type="submit"/>`
- `<button type="submit"/>`

DEMO

TEXT

`<input type="text"/>` Starts out empty.

`<input type="text" value="Hello"/>` Starts out with 'Hello' typed in.

The 'value' attribute determines what text it starts out with.

CHECKBOX

```
<input type="checkbox" checked/> I'm checked.  
<input type="checkbox"/> I'm NOT checked.
```

The presence or absence of a 'checked' attribute determines whether it starts out checked.

RADIO BUTTONS

```
<input type="radio" name="group-name" checked/> I'm checked.  
<input type="radio" name="group-name"/> I'm NOT checked.
```

Radio buttons that have the same 'name' are grouped together. Only one of the buttons in a group can be checked at a time.

SELECT (DROP-DOWN)

```
<select>  
  <option>Red</option>  
  <option selected="">White</option>  
  <option>Blue</option>  
</select>
```

One of the options can have the 'selected' attribute, which pre-selects that option.

LABELS

```
<!-- input nested inside label -->  
<label><input type="text"/> Describe the input</label>  
  
<!-- input id specified in label 'for' attribute -->  
<input type="text" id="color"/><label for="color">Color</label>
```

It's good to associate a label with an input. Here are two ways.

LABELS

```
<!-- input nested inside label -->  
<label><input type="checkbox" checked/> Click Me!</label>  
  
<!-- input id specified in label 'for' attribute -->  
<input type="checkbox" id="hasDog"/><label for="hasDog">Has Dog</label>
```

It's especially important to give checkboxes and radio buttons a label. Then the user can click either the label or the checkbox.

FORMS ACTIVITY

Open a new JS Bin

- Add a form.
- Add a checkbox. Make sure it has a clickable label.
- Add a group of two or more radio buttons. Make sure they have labels.
- Add a dropdown (select) with at least two options.

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BOOTSTRAP

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BOOTSTRAP

HTML5 & CSS framework that combines

- Responsive Design
- Grid Positioning
- Iconography
- Mobile Templating
- Javascript plugins

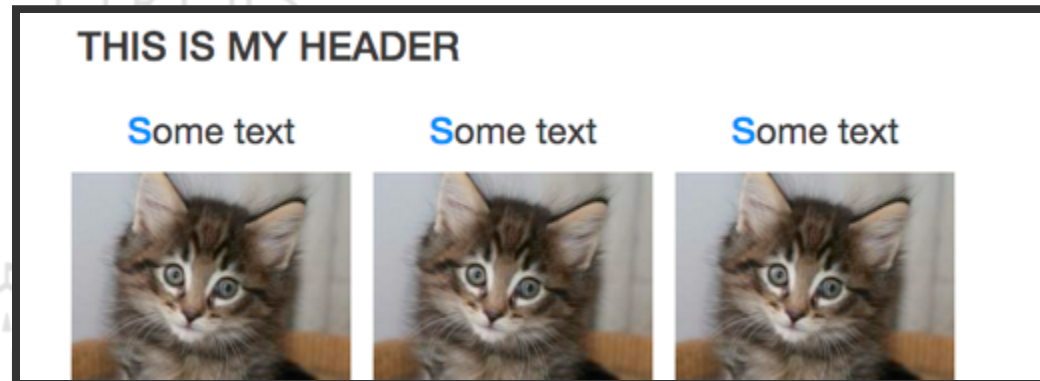
ABOUT BOOTSTRAP

Bootstrap is a CSS framework that makes making halfway—decent—looking sites a snap! It was created by Twitter and was made open source a few years ago

Before



After



CSS COMPONENTS

Bootstrap provides a bunch of CSS Components

- Grid layout
- Buttons
- Primary and Secondary headings
- Form elements
- Automatic table styling
- All the things basically

CSS COMPONENTS

Bootstrap provides great docs which demonstrate each CSS component and how to add them to your site.

There are so many things available in just the CSS portion of the Bootstrap. We don't have time to look at them all.

USING BOOTSTRAP

As said before, all of the bootstrap components are shown on their docs but for the most part it's as simple adding some classes to your html.

ex:

```
<a href="#" role="button" class="btn btn-primary">A button!</a>
```

BOOTSTRAP BASICS

Demo

ALL THE THINGS

Bootstrap Components Doc

BOOTSTRAP GRIDS

The best of CSS positioning and table layouts

- 12 columns wide
- Infinite rows
- Responsive-ready out of the box
- Uses only CSS

ROWS & COLUMNS

```
<div class="container">
  <div class="row">This is Row 1</div>
  <div class="row">
    <div class="col-md-6"> This is Row 2 Col 1 </div>
    <div class="col-md-6"> This is Row 2 Col 2 </div>
  </div>
</div>
```

The background of the slide features a repeating watermark of the Grand Circus Detroit logo. The logo consists of a stylized house icon above the words "GRAND CIRCUS" and "DETROIT" in a smaller font below it. The watermark is light gray and is distributed across the entire slide.

LIVE DEMO

1. Grid Layout
2. Responsive Grid Layout

WHERE TO GET IT

<http://www.getbootstrap.com> > Getting Started

Hit the "Download Bootstrap" button

HOW TO USE IT

1. Unzip the folder and rename it "bootstrap"
2. Save "bootstrap" in the folder containing your html and css files
3. Link to bootstrap in your index.html file

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

```
<script src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.3/jquery.min.js"></script>
```

```
<script src="bootstrap/js/bootstrap.min.js"></script>
```

```
<!-- Latest compiled and minified CSS -->
<link rel="stylesheet" href="//maxcdn.bootstrapcdn.com/bootstrap/3.2.0/css/bootstrap.min.css">

<!-- Optional theme -->
<link rel="stylesheet" href="//maxcdn.bootstrapcdn.com/bootstrap/3.2.0/css/bootstrap-
theme.min.css">

<!-- Latest compiled and minified JavaScript -->
<script src="//maxcdn.bootstrapcdn.com/bootstrap/3.2.0/js/bootstrap.min.js"></script>
```

Copy

Like jQuery, Bootstrap can also be linked via CDN.

Just linking to the Bootstrap CDN will make a noticeable difference on your page

RECAP

You should understand and be able to use:

- HTML5 semantic tags
- CSS Pseudo-selectors
- CSS3 Properties (vendor-prefixes, transforms, animations)
- HTML Forms
- Media Queries
- Bootstrap (CSS, Grids)

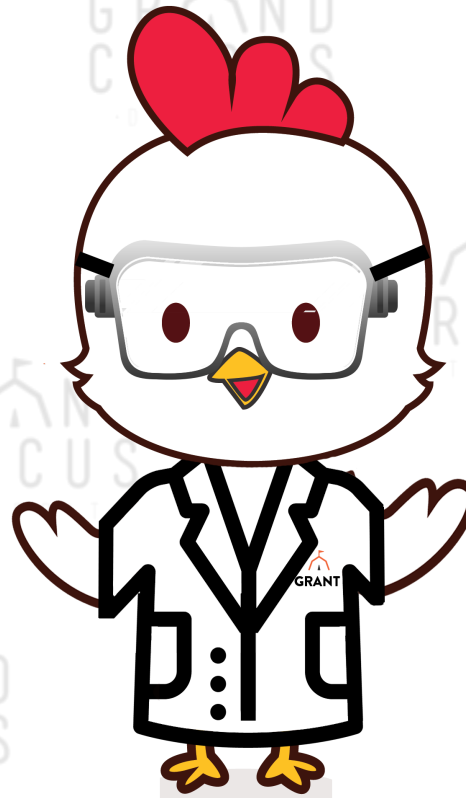
ASSOCIATED READING

From JavaScript & jQuery:

- Introduction: 1-10
- Chapter 1: 11-52
- Chapter 2: 53-69, 74-84
- Chapter 4: 145-169

LAB 4

BLOGGING WITH BOOTSTRAP



BLOGGING WITH BOOTSTRAP

Create a blog page template using Bootstrap's grid system. Think about what you'd want your blog to look like. What information and functionality do you want to present to visitors? Optionally, you can add this to your personal site for later use, but this is not required.

REQUIREMENTS

- At least 1 faked article of blog content
- At least 1 floated image with text wrapping around it in the article
- An HTML form with at least 3 elements, one of which must be radio button group, check box group, date picker, or dropdown, i.e. `select`
- Footer with copyright, contact link, some other content
- Use Bootstrap glyphsicons
- Use CSS psuedo-classes

BONUS!

- Nav section on left, 1/3rd page width
- Main section on right, 2/3rd page width
- Research and build in a Bootstrap JS plugin (e.g. Carousel, Accordion, Collapse, Tooltip, Popover, Modal)