



# CS50B Web Dev 2

Fall 2018 ~ Ethan Wilde

*Week 2*



# Welcome

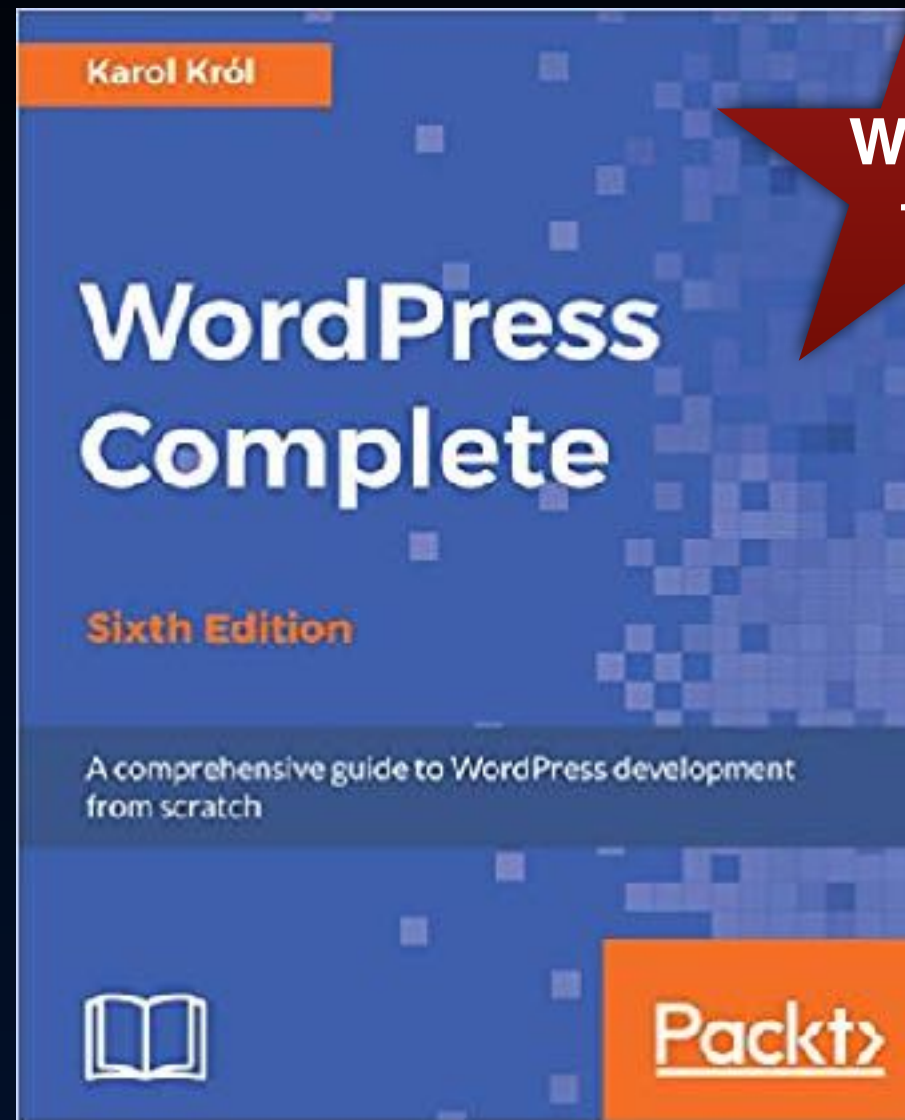
- **Course Outline**
- **Textbook (for Week 10+)**
- **Introduction to Cloud9**
- **Creating a Cloud9 Workspace**
- **Practice with CSS Media Queries**
- **What is Bootstrap?**
- **Getting Started with Bootstrap**
- **What to Do Next**

# Course Outline

1 Responsive HTML5 + CSS3	10 WordPress: Intro to CMS
2 Introduction to Bootstrap	11 WordPress Posts
3 Page Elements + Components	12 WordPress Pages + Menus
4 Navigation	13 WordPress Plugins + Themes
5 Forms + Decoration	14 WordPress Bootstrap Theme
6 Customizing Bootstrap CSS	15 Intro to Sass: CSS Preprocess
7 Introduction to JavaScript	16 Customizing Bootstrap Sass
8 Bootstrap + JavaScript	17 Mastering Sass + Bootstrap
9 Midterm Review + Midterm	18 Final Exam (online)

Get all of the details in the complete syllabus on Canvas.

# Textbook: Not Used Until Week 10



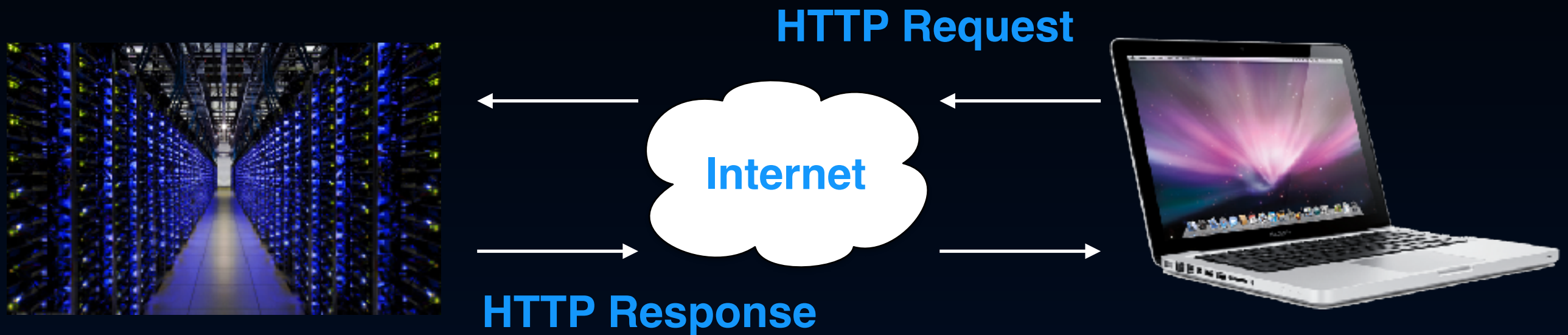
## ***WordPress Complete (6th Edition)***

Karol Król

1787285707 (ISBN 10)

978-1787285705 (ISBN 13)

# Introduction to Cloud9



**Cloud-Based  
Web Server**

Use from your browser

<https://c9.io/login>

# Cloud9 Hosting + IDE

**“Get your work online  
so you can share it with the world.”**

— *Me*

**In the Cloud9 IDE at <https://c9.io/login>**

# CSS

## Media Queries

```
@media (min-width: 576px) { ... }
```

# CSS

## Media Queries

**@media (min-width: 576px) { ... }**

**@media (min-width: 768px) { ... }**

**@media (min-width: 992px) { ... }**

**@media (min-width: 1200px) { ... }**



# CSS

## Media Queries

**@media (min-width: 576px) { ... }**

window is 576 pixels or wider 

**@media (min-width: 768px) { ... }**

**@media (min-width: 992px) { ... }**

**@media (min-width: 1200px) { ... }**

# CSS

## Media Queries

**@media (min-width: 576px) { ... }**

window is 576 pixels or wider



**@media (min-width: 768px) { ... }**

window is 768 pixels or wider



**@media (min-width: 992px) { ... }**

**@media (min-width: 1200px) { ... }**

# CSS

## Media Queries

```
@media (min-width: 576px) {  
    body {background-color: yellow;}  
}
```

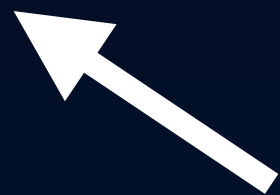
```
@media (min-width: 768px) {  
    body {background-color: pink;}  
}
```

# CSS

## Media Queries

```
@media (min-width: 576px) {  
    body {background-color: yellow;}  
}
```

```
@media (min-width: 768px) {  
    body {background-color: pink;}  
}
```



all CSS rules within curly brackets of media query apply **only** if condition for media query is met

# What is Bootstrap?

**“...the world’s most popular  
framework for building responsive,  
mobile-first sites...”**

**<https://getbootstrap.com/>**

# What is Bootstrap?

**“...the world’s most popular framework for building responsive, mobile-first sites...”**

## **1. Predefined CSS Rules**

**<https://getbootstrap.com/>**

# What is Bootstrap?

**“...the world’s most popular framework for building responsive, mobile-first sites...”**

- 1. Predefined CSS Rules**
- 2. Predefined JavaScript Code**

**<https://getbootstrap.com/>**

# Getting Started with Bootstrap

**What do you need to use Bootstrap?**



# Getting Started with Bootstrap

**What do you need to use Bootstrap?**

- 1. Link to load Bootstrap CSS file.**

# Getting Started with Bootstrap

**What do you need to use Bootstrap?**

- 1. Link to load Bootstrap CSS file.**
- 2. HTML code with elements that include classes defined in Bootstrap.**

# Getting Started with Bootstrap

## **The Bootstrap Layout Grid**

**12 columns in horizontal axis**

**Columns are children of rows**

**Rows are children of a container**

# Getting Started with Bootstrap

## The Bootstrap Layout Grid

```
<div class="container">  
  <div class="row">  
    <div class="col-6">  
      Content in column 1  
    </div>  
    <div class="col-6">  
      Content in column 1  
    </div>  
  </div>  
</div>
```

# Getting Started with Bootstrap

## The Bootstrap Layout Grid

```
<div class="container">  
  <div class="row">  
    <div class="col-6">  
      Content in column 1  
    </div>  
    <div class="col-6">  
      Content in column 1  
    </div>  
  </div>  
</div>
```

# Getting Started with Bootstrap

## The Bootstrap Layout Grid

```
<div class="container">  
  <div class="row">  
    <div class="col-4">  
      Content in column 1  
    </div>  
    <div class="col-8">  
      Content in column 1  
    </div>  
  </div>  
</div>
```

# What to Do Next

- **Reading**

- Read: Designated online pages from *getbootstrap.com*
  - ***Bootstrap: Getting Started: Introduction***
  - ***Bootstrap: Browsers and Devices***
  - ***Bootstrap: Layout: Overview***
  - ***Bootstrap: Layout: Grid***

- **Homework**

- **Assignment 2: Bootstrap Basics**
- Complete Assignment 2's coding requirements using your new Cloud9 workspace.

- **Canvas Site**

- All materials available there
- <https://canvas.santarosa.edu/courses/32995>