



CS50B Web Dev 2

Fall 2018 ~ Ethan Wilde

Week 10



Welcome

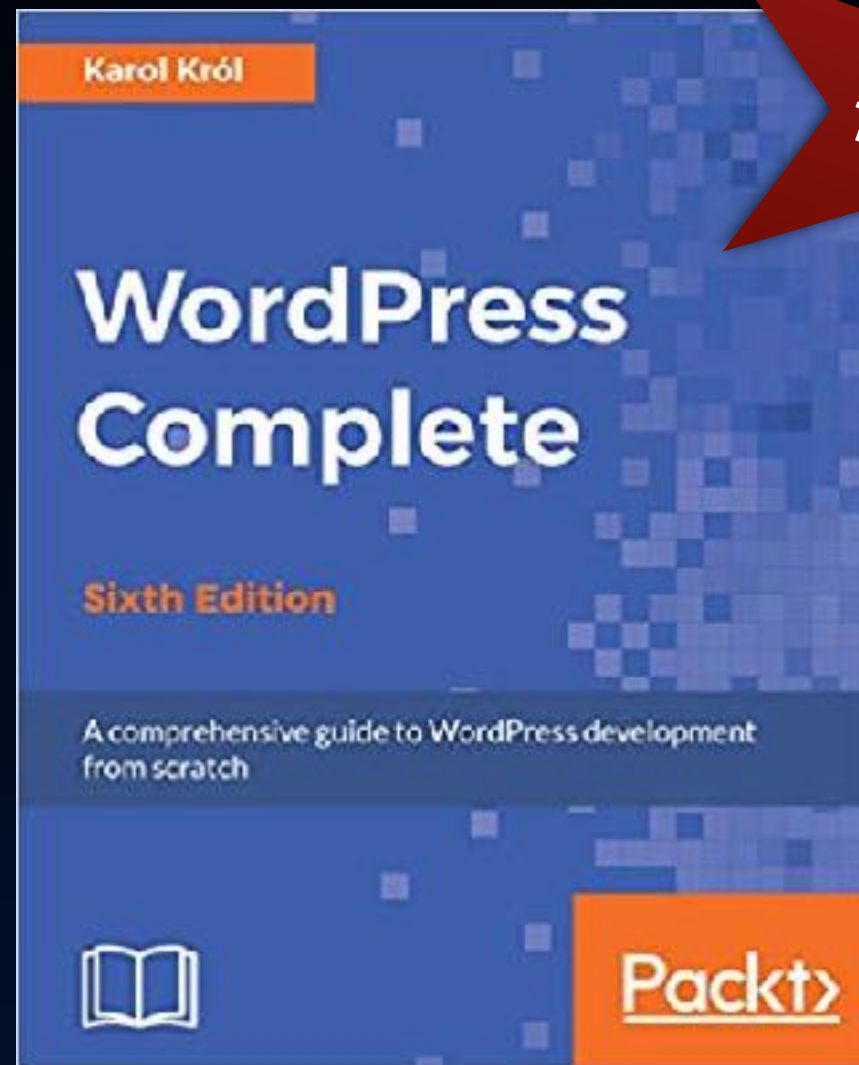
- **Course Outline**
- **Textbook Reading**
- **Getting Started with the WordPress CMS**
- **Core Concepts of Content Management Systems (CMS)**
- **Creating Your First WordPress C9 Workspace**
- **Planning Your Final Project**

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 Reading This Week



WordPress Complete, Sixth Edition

<https://www.packtpub.com/application-development/wordpress-complete-sixth-edition>

Getting Started with the WordPress CMS



WORDPRESS

**“WordPress now powers
30% of websites.”**

– VentureBeat, March 2018

1. Content Management Systems (CMS) are an essential component of the modern Web infrastructure.

<https://venturebeat.com/2018/03/05/wordpress-now-powers-30-of-websites/>

Getting Started with the WordPress CMS



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2. The most popular CMS in the world is WordPress.



Drupal™

3. Other CMS solutions include:
Drupal and Joomla



Joomla!

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My Favorite



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4. CMS tools allow content creators and editors to work with Web content without needing to know HTML and CSS code.

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Getting Started with the WordPress CMS



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5. The current release version of the WordPress CMS is 4.9.x.
6. Version 5 is available as a beta now, and expected to be released later in 2018.

<https://venturebeat.com/2018/03/05/wordpress-now-powers-30-of-websites/>

Core Concepts of Content Management Systems (CMS)

“A web content management system (WCMS) is a software content management system (CMS) specifically for web content.

It provides website authoring, collaboration, and administration tools that help users with little knowledge of web programming languages or markup languages create and manage website content.”

— Wikipedia

[https://en.wikipedia.org/wiki/
Web_content_management_system](https://en.wikipedia.org/wiki/Web_content_management_system)

Core Concepts of Content Management Systems (CMS)

1. **Users:** Multi-user system with authentication.
2. **Content:** Page- and element-based management of content.
3. **Menus:** Centralized control of site link sets (menus of links).
4. **Templates:** HTML pages generated using content from database and coded templates.

Core Concepts of Content Management Systems (CMS)

5. **Themes:** Collections of templates designed to be used as a unified visual presentation for site pages.
6. **Media:** Management of file attachments and rich media.
7. **Plugins:** Additions to core CMS to extend functionality, aka modules or extensions.
8. **WYSIWYG Editor:** Word processing style content editor.

Creating Your First WordPress C9 Workspace

Cloud9 includes a workspace template for WordPress 4.x.

1. This week we will create an initial WordPress workspace as a “sandbox” to explore the toolset, while documenting our Final Project plans and process.
2. Later on, we will create a second WordPress workspace to use for our Final Project build.

Planning Your Final Project

“User Centered Design is the way to plan and create an effective website for any audience of users.”

– Me (and 1,000s of others)

1. Conduct at least one Inspiration Phase method from Design Kit to help prepare for your Final Project this week.

<http://www.designkit.org/>

Planning Your Final Project

“User Centered Design is the way to plan and create an effective website for any audience of users.”

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2. Document your process of conducting the method with writing and at least two images for the assignment this week.

<http://www.designkit.org/>

Planning Your Final Project

“User Centered Design is the way to plan and create an effective website for any audience of users.”

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3. Check out the Final Project Roadmap in Canvas this week to see what you will be doing each week to iteratively create your site.

<http://www.designkit.org/>

Remember to Comment on Others' Midterm Projects

Visit Discussion 9

Look at classmate projects and post two comments about classmate projects.

If you haven't already done so...

What to Do Next

- **Reading**

- Read *WordPress Complete* (6th ed.)
 - Chapter 1: Introducing WordPress
 - Chapter 2: Getting Started with WordPress
- Read and conduct one Design Kit inspiration phase methods and document outcomes in your new WordPress site.

- **Homework**

- **Assignment 8: Setting Up WordPress**
- **Discussion 10: Content Management Systems**

- **Canvas Site**

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