



CS50B Web Dev 2

Fall 2018 ~ Ethan Wilde

Week 13



Welcome

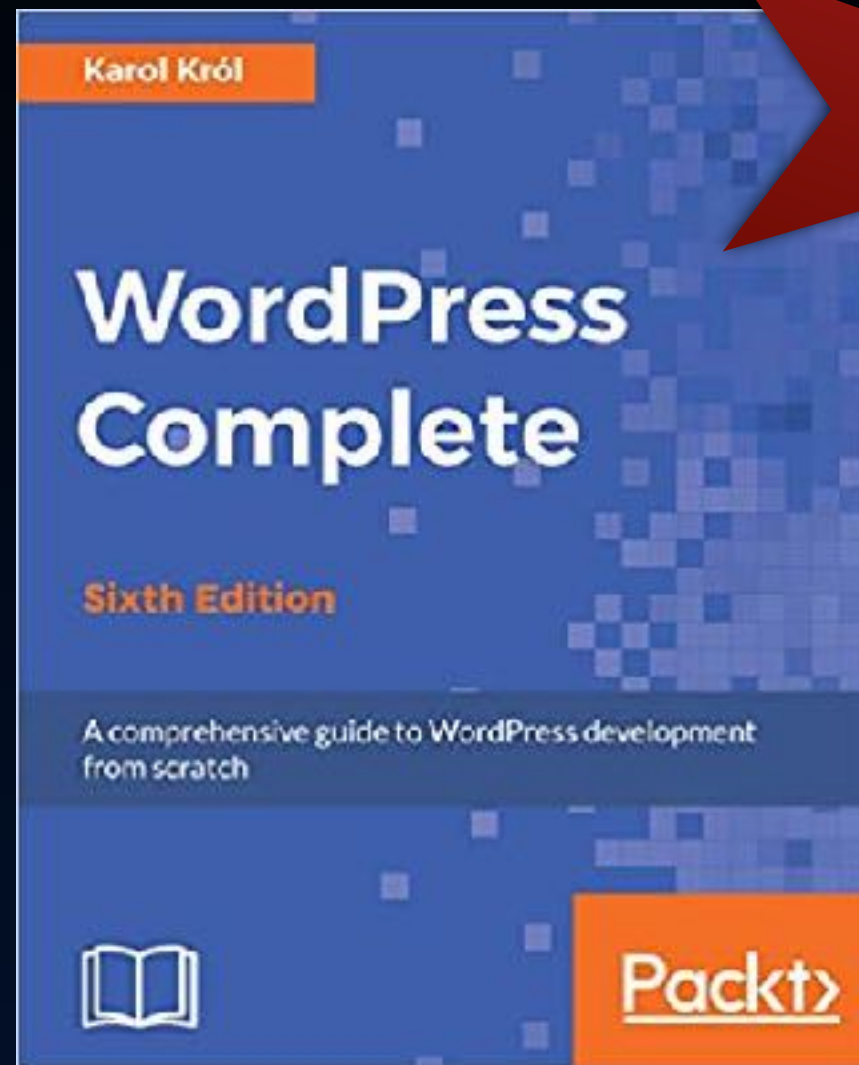
- **Course Outline**
- **Textbook Reading**
- **WordPress Plugins, Widgets + Themes**
- **Planning Your Final Project**
 - **Concept**
 - **Information Architecture (Site Map)**
 - **Page Wireframes**

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>

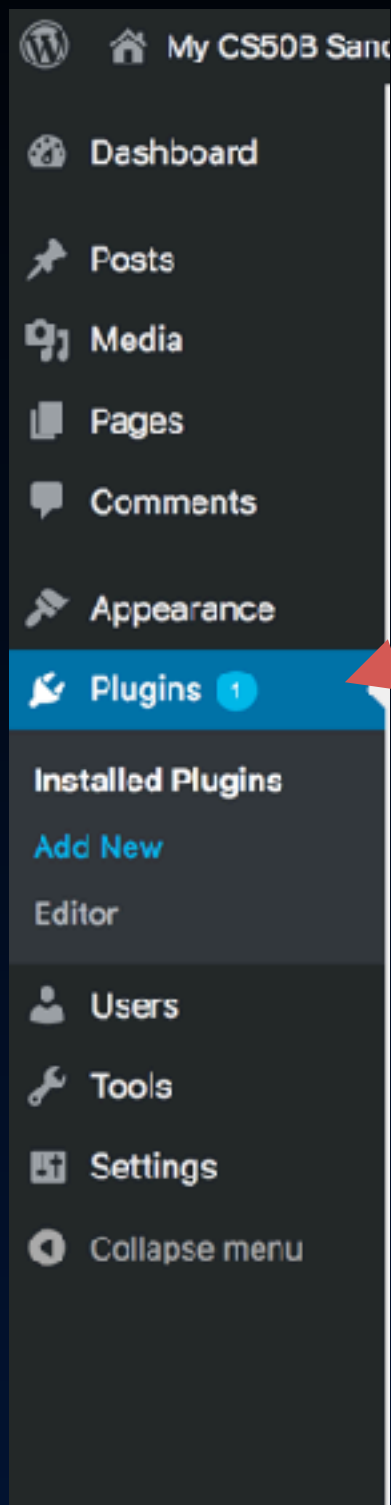
Core Concepts of the WordPress CMS

1. **Users:** Multi-user system with authentication.
2. **Content:** Page- , Post- and element-based management.
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 the WordPress 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.

WordPress Plugins



Plugins admin

WordPress manages site plugins centrally.

<https://codex.wordpress.org/>

WordPress Plugins

WordPress Admin Dashboard - Plugins Page

Top Bar: Howdy, admin

Plugins Section: [Add New](#) (indicated by a red arrow pointing to it with the text "Search for new plugins to add")

Welcome message: Welcome! Thank you for choosing Alante! To get started please make sure you visit our [welcome page](#). [Get started with Alante](#)

Filter tabs: All (2) | Inactive (2) | Update Available (1)

Search: Search installed plugins...

Bulk Actions: Bulk Actions | Apply

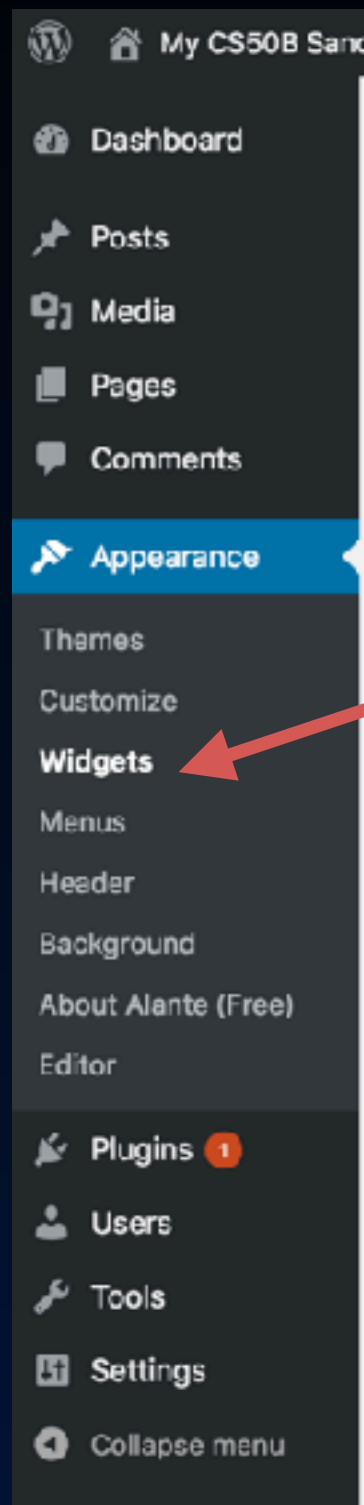
Plugin	Description
<input type="checkbox"/> Akismet Anti-Spam Activate Delete	Used by millions, Akismet is quite possibly the best way in the world to protect your blog from spam . It keeps your site protected even while you sleep. To get started: activate the Akismet plugin and then go to your Akismet Settings page to set up your API key. Version 3.3.3 By Automattic View details
There is a new version of Akismet Anti-Spam available. View version 4.1 details or update now .	
<input type="checkbox"/> Hello Dolly Activate Delete	This is not just a plugin, it symbolizes the hope and enthusiasm of an entire generation summed up in two words sung most famously by Louis Armstrong: Hello, Dolly. When activated you will randomly see a lyric from Hello, Dolly in the upper right of your admin screen on every page. Version 1.6 By Matt Mullenweg View details
<input type="checkbox"/> Plugin	Description

Bulk Actions: Bulk Actions | Apply

(indicated by a red arrow pointing to the "Activate" link with the text "Enable an installed plugin")

<https://codex.wordpress.org/>

WordPress Widgets



Widgets admin

WordPress manages site widgets centrally.

<https://codex.wordpress.org/>

WordPress Widgets

The screenshot shows the WordPress Widgets management interface. At the top, there's a header with 'WordPress Site', navigation icons, and a user profile 'Howdy, admin'. Below the header, the 'Widgets' section is active, with a 'Manage with Live Preview' button. A welcome message from 'Alante' is displayed. The main area is divided into three columns: 'Available Widgets', 'Sidebar', and 'Footer Widget Areas'. The 'Available Widgets' column lists various widgets like Archives, Audio, Calendar, Categories, Custom HTML, Gallery, Image, Meta, Navigation Menu, and Pages. The 'Sidebar' column shows a list of widgets currently active in the sidebar, including Search, Recent Posts, Recent Comments, Archives, Categories, and Meta. The 'Footer Widget Areas' column shows six areas, with the first two labeled 'Footer Widget Area 1' and 'Footer Widget Area 2'. Two red arrows point to the 'Available Widgets' and 'Sidebar' sections, with the text 'Page elements available to add' next to the first arrow. Another red arrow points to the 'Footer Widget Areas' section, with the text 'Widget areas vary by individual theme' next to it.

WordPress Site 4 0 + New Howdy, admin

Widgets [Manage with Live Preview](#)

Welcome! Thank you for choosing Alante! To get started please make sure you visit our [welcome page](#).

[Get started with Alante](#)

Available Widgets **Page elements available to add**

To activate a widget drag it to a sidebar or click on it. To deactivate a widget and delete its settings, drag it back.

Archives A monthly archive of your site's Posts.

Audio Displays an audio player.

Calendar A calendar of your site's Posts.

Categories A list or dropdown of categories.

Custom HTML Arbitrary HTML code.

Gallery Displays an image gallery.

Image Displays an image.

Meta Login, RSS, & WordPress.org links.

Navigation Menu

Sidebar

Search

Recent Posts

Recent Comments

Archives

Categories

Meta

Footer Widget Area 1

Footer Widget Area 2

Footer Widget Area 3

Footer Widget Area 4

Footer Widget Area 5

Footer Widget Area 6

Widget areas vary by individual theme

<https://codex.wordpress.org/>

WordPress Themes

Themes 5 [Add New](#) Search installed themes...

Howdy, admin [Help](#)

Welcome! Thank you for choosing Alante! To get started please make sure you visit our [welcome page](#).

[Get started with Alante](#)

ALANTE GRID
THIS IS SOME GENERIC DEMO TEXT
WHAT WOULD YOU WRITE HERE?

Placeholder Image Placeholder Image Placeholder Image

Custom Title 1 Custom Title 2 Custom Title 3

Active: Alante Grid [Customize](#)

New version available. [Update now](#)

Twenty Fifteen

Come Sail Away with Me
Individually, we create things. Together, we are an event.

Only one installed theme is active

<https://codex.wordpress.org/>

Using Your First WordPress C9 Workspace

Cloud9 includes a workspace template for WordPress 4.x.

1. This week we will continue to work with our initial WordPress workspace as a “sandbox” to explore the toolset, while documenting our Final Project plans and process.
2. Next Week: we will create a final WordPress site instance to use for our Final Project build.

Planning Your Final Project

1. Share your project proposal with classmates in Final Student Project Proposals discussion.
2. Provide feedback to classmate's final project proposals.

What to Do Next

- **Reading + Doing**

- Read *WordPress Complete* (6th ed.)
 - Ch. 5: Plugins - What They Are and Why You Need Them
 - Ch. 6: Choosing and Installing Themes

- **Homework**

- **Assignment 11: Extending Your Site**
- **Discussion 6: Final Student Project Proposals**

- **Canvas Site**

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