

dotCMS Web Developer Training Agenda

Day 1 (9AM-4PM)

1. Introductions
2. Review of Velocity Syntax & Resources
3. How versions work (Inodes/Identifier)
4. Advanced Velocity Pulls
 - a. Working with dates and times
 - b. Category pulls
 - c. Pull related content
 - d. Paginating content pulls
 - e. Sorting and filter
 - f. #editContentlet Macro
 - g. Managing vtl's across hosts
5. Pulling Categories
 - a. Get category by key
 - b. Category based menus
6. Reusable Widgets with Parameters
 - a. Content listing widget by taxonomy
 - b. Photo gallery widget
7. Lucene Syntax
 - a. And/Or/Not Filtering tricks
 - b. Date/text range search
 - c. Field Grouping
 - d. Boolean operators
 - e. Fuzzy search
 - f. Escaping special characters

Break for Lunch (12PM-1PM)

Day 1 (9AM-4PM)

8. Image Handling
 - a. Image API
 - b. Binary Fields VS File Fields
 - c. Resizing

9. Cache Control
 - a. Page level cache
 - b. Velocity #dotCache

10. Custom Fields & URL Mapping
 - a. Custom responsive dynamic fields
 - b. Custom Fields for URL mapping
 - c. URL mapped listing and detail pages
 - d. Hide/show fields based on user role

10. dotCMS viewTools
 - a. date tool
 - b. content tool
 - c. listTool
 - d. math tool
 - e. truncation tool
 - f. utilities
 - g. utilmethod.encodeURL
 - h. navtool
 - i. mailer (front end mailer)
 - j. sorter
 - k. tag tool

11. Session Handling
 - a. Getting the session
 - b. Creating, updating, and getting session based values
 - c. \$request, \$response, \$session, \$context
 - d. Getting and setting cookies

12. Questions and Answers

Day 2 (9AM-4PM)

1. Content based feeds
 - a. XML feeds
 - b. JSON feeds

2. JSON/ XML / Widget API
 - a. XML ingesting
 - b. JSON ingesting
 - c. The \$SQL Tool
 - d. The \$import tool
 - e. Remote widgets

3. REST API Forms
 - a. Requirements
 - b. Binary and special field handling
 - c. Content API - Post
 - d. JSON & Binary submit

4. Building Design Template Themes
 - a. Downloading and installing themes
 - b. Creating custom themes
 - c. Custom theme framework
 - d. Nav Tool Placement
 - e. Sass and Less

Break for Lunch (12PM-1PM)

5. Navigation Tooling
 - a. Navigation levels
 - b. The navigation tool (custom navigation)
 - c. Custom navigation reordering
 - d. Navigation source code
 - e. Multilingual navigation

6. Multilingual Websites
 - a. Best practices and important considerations
 - b. Setting a custom default language
 - c. Installing languages and setting language properties
 - d. Multilingual navigation
 - e. Multilingual URL Mapping
 - f. Geolocation & setting languages

Day 2 (9AM-4PM)

10. Personalization and the Visitor Object

- a. The Visitor object
- b. Personas
- c. Pull Personalized Content
- d. Diagnostics

11. Questions and Answers