Drupal for Designers

“Not decorating on top of what Drupal gives you, but rather, letting Drupal’s default behavior simply provide a guide for your design.”

Drupal for Designers
by Dani Nordin
http://my.safaribooksonline.com
Introduction

Daniel Schiavone
Developer since 1996
Drupal since 2008

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Founder of art non-profit
www.CreativeAlliance.org

First web dev project in 1995
Maryland State Arts Council Slide Registry

Drupalpiphany at DrupalCon DC 2008

Community

Baltimore Drupal Meetup
Baltimore / DC Drupal Co-working
Outline

- Graphic Design, Web Design, Responsive Design
- Designing to a Grid 101
- What is Drupal
- What is a Theme
- Development Environment
  - Command line (Cygwin)
Graphic Design, Web Design, Responsive Design
Responsive Design

- Responding to the type and size of the screen
- Forces choices content, design elements, UX
- Small screens favor certain design choices (e.g. Flat Design)
- Designers, Writers, Prepare to lose control
Responsive Design

How does this affect how we design?

1. Goals
2. Functional Spec
3. Rough Sketch
4. Prototype
5. Buildout
6. Design
7. Test & Polish
Responsive Design Tools

- Firebug
- Web Developer Toolbar
- responsinator.com
- mattkersley.com/responsive
- browserstack.com
Responsive Design Resources

- abookapart.com/products/mobile-first
- alistapart.com/
- karenmcgrane.com
Drupal 101

Drupal engine

Project description

Drupal is the English pronunciation for the Dutch word 'druppel' which stands for 'drop'. Drupal is a content management/discussion engine suitable to setup or build a content driven or community driven website. We aim towards easy installation, excessive configuration and fine-grained maintenance capabilities. Due to its modular design Drupal is flexible and easy to adapt or extend. Drupal is written using PHP and MySQL. The source code is available under terms of GNU General Public License (GPL).

Mission statement

To develop a leading edge open-source content management system that implements the latest thinking in community publishing, knowledge management, and software design. We value flexibility, simplicity, and utility in our product; teamwork, innovation, and openness in our community; and modularity, extensibility and maintainability in our code.

Log in

Username: [Input]
Password: [Input]
Log in
REGISTER

Chatbox

*** panner has joined the chatbox
What is Drupal

- Content Management System vs. Content Management Framework
- Open Source
  - Code
  - Documentation
  - Resources
  - Support
- Php (see image)
- Core vs Contrib
Working with Drupal

• Drupal.org – Let's register now
• IRC Chat → drupal.org/irc (so 80's)
• Local environment
  – drupal.org/setting-up-development-environment
  – WAMP, LAMP or MAMP
  – Quickstart
  – Ubuntu (desktop or wubi)
  – Acquia Dev Desktop
Essential Tools

- Devel Module
- Devel Themer Module
- Git
- Drush
- Firebug
Tools - Git Basics

git clone

git add

git commit <target> -m "commit message"

git pull

git push
Tools - Why git?
Tools - Drush Basics

- drush pml – show installed modules
- drush cc – clear cache
- drush sql-dump – pull database into file
- drush uli – login as another user
- drush en/dis – enable or disable a module
Getting Drupal

- Download (link to instructions)
  - Create Database
  - Installation
  - Server Configuration
- Acquia Drupal Gardens (url)
- GetPantheon (http://www.GetPantheon.com/) Let's set up an account
- Install with Drush
Where Things Are

includes
misc
modules
profiles
scripts
sites
  -- all
    ---- modules
    ---- themes
  -- default
    ---- files
    ---- settings.php
themes
index.php
Site Building

- Layout
  - Pages
  - Regions
  - Blocks
- Objects (Entities and Nodes)
  - Content Types
  - Taxonomies
  - Views (Contrib Module until Drupal 8)
- Users
  - Roles
  - Permissions
Theming – What is a Theme

<mytheme>.info
template.php
css/
fonts/
images
js/
templates
Theming – What can be themed

- Site Layout (e.g. template.php, hooks, callbacks)
- Page Layout (e.g. page.tpl.php)
- Node Layout (e.g. node.tpl.php)
- View Display (e.g. views-view.tpl.php)
  - Including rows, fields, etc
- Field Display (e.g. field.tpl.php)
Theming – Layout Organization

Pages
- Regions
- - Blocks

Layout
- - Columns
- - - Rows
- - - - Regions
Themming – STARTER Themes

Grid based

- Skeleton
- Zurb Foundation DEMO
- Omega 4

and more...
Theming – STARTER Themes

Layout based

- Adaptive Theme DEMO?
- Omega
  and more...
Theming

Configuration based theming

- Combine with Panels (Page layout)
- Display Suite (Form/Node layout)
- Panelizer (Form/Node layout)
- Page Manager (Layouts that act like pages)
More Information

- Drupal.org
  - drupal.org/documentation
  - api.drupal.org
  - drupal.org/project/Modules
- Training
  - www.sixmilettech.com
  - Lullabot
- Community
  - IRC
  - Meetups
  - Camps
  - Cons
- Videos
  - tutr.tv
  - GotDrupal.com
  - Lullabot.com
  - drupalize.me
  - nodeone.se
  - mustardseedmedia.com
  - buildamodule.com
  - ostraining.com
Questions?

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Baltimore Drupal Meetup – 2nd Wednesdays  
Baltimore / DC Drupal  
Co-working  
BaltimoreDrupalCamp – Fall 2014

Tomorrow! 10 Steps Note To Forget After Installing Drupal

Yes, slides will be posted on www.snakehill.net/drupalfordesigners