

# The Orchard Project

From Installation to Customization

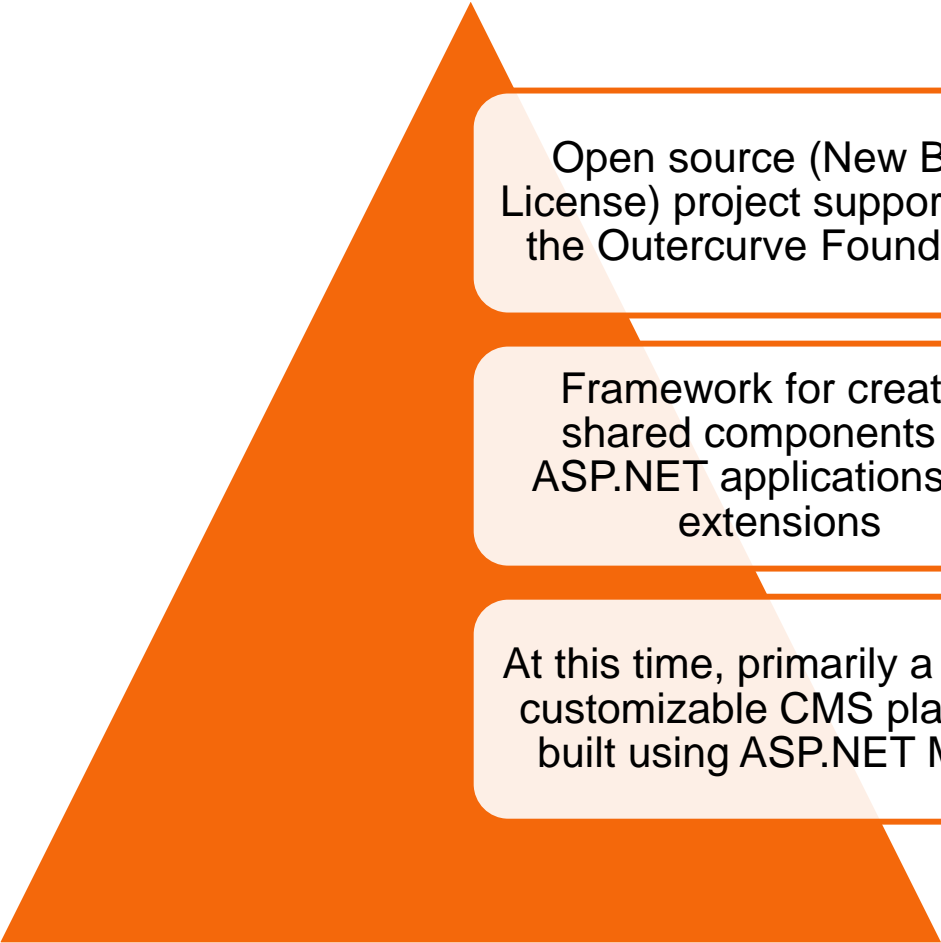
John C. Zablocki  
Development Manager, HealthcareSource  
Organizer, Beantown ALT.NET  
Philly Code Camp 2011.2    
2011-10-15

# Agenda

- ☞ The Basics
- ☞ Glossary
- ☞ Security
- ☞ Development
- ☞ Installation
- ☞ Themes
- ☞ Modules
- ☞ Deployment
- ☞ Questions



# Orchard Basics

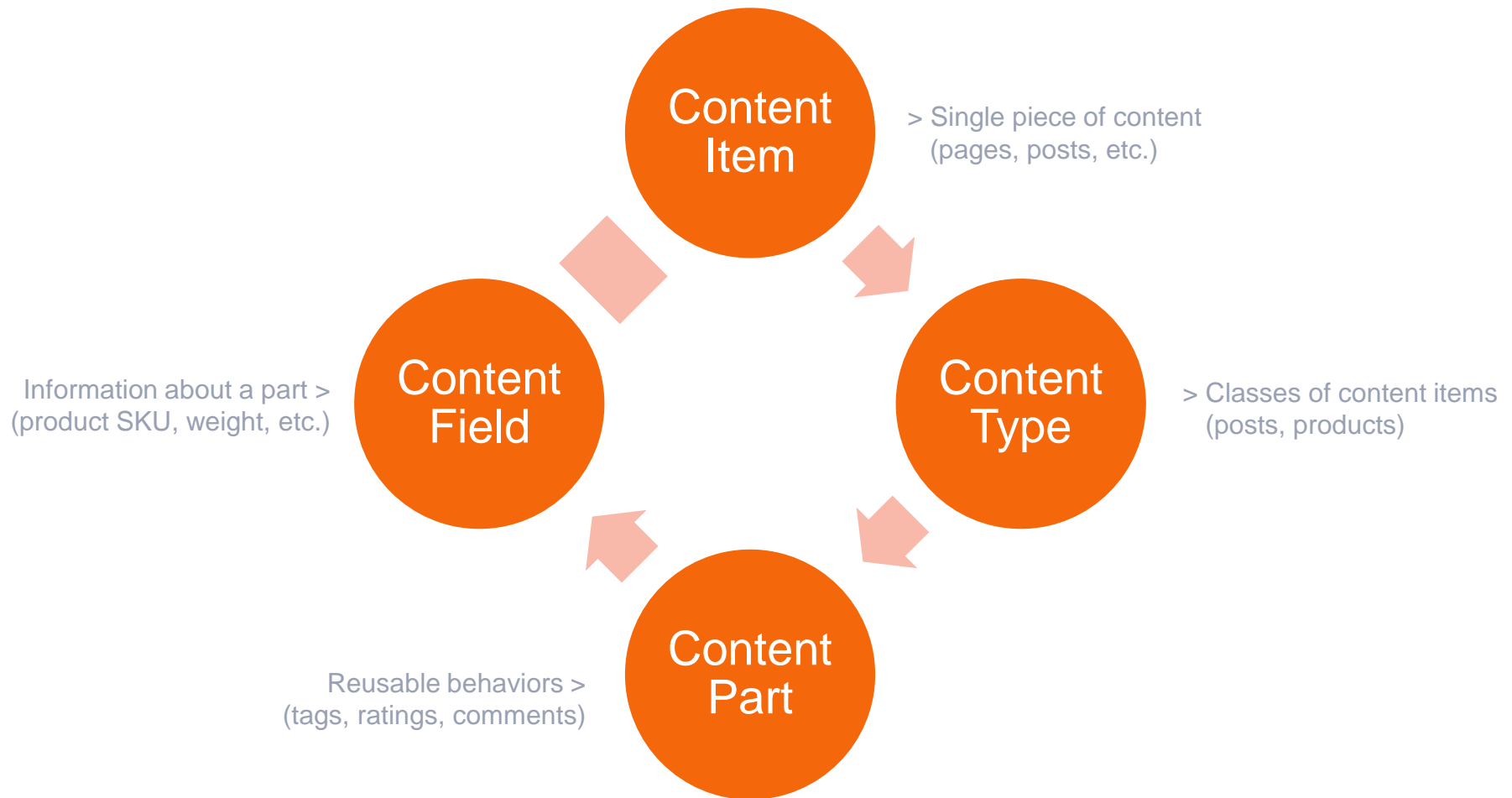


Open source (New BSD License) project supported by the Outercurve Foundation

Framework for creating shared components for ASP.NET applications and extensions

At this time, primarily a highly customizable CMS platform built using ASP.NET MVC

# Orchard Glossary - Content



# Orchard Glossary – Modules

Custom extensions  
grouped under a  
single folder >

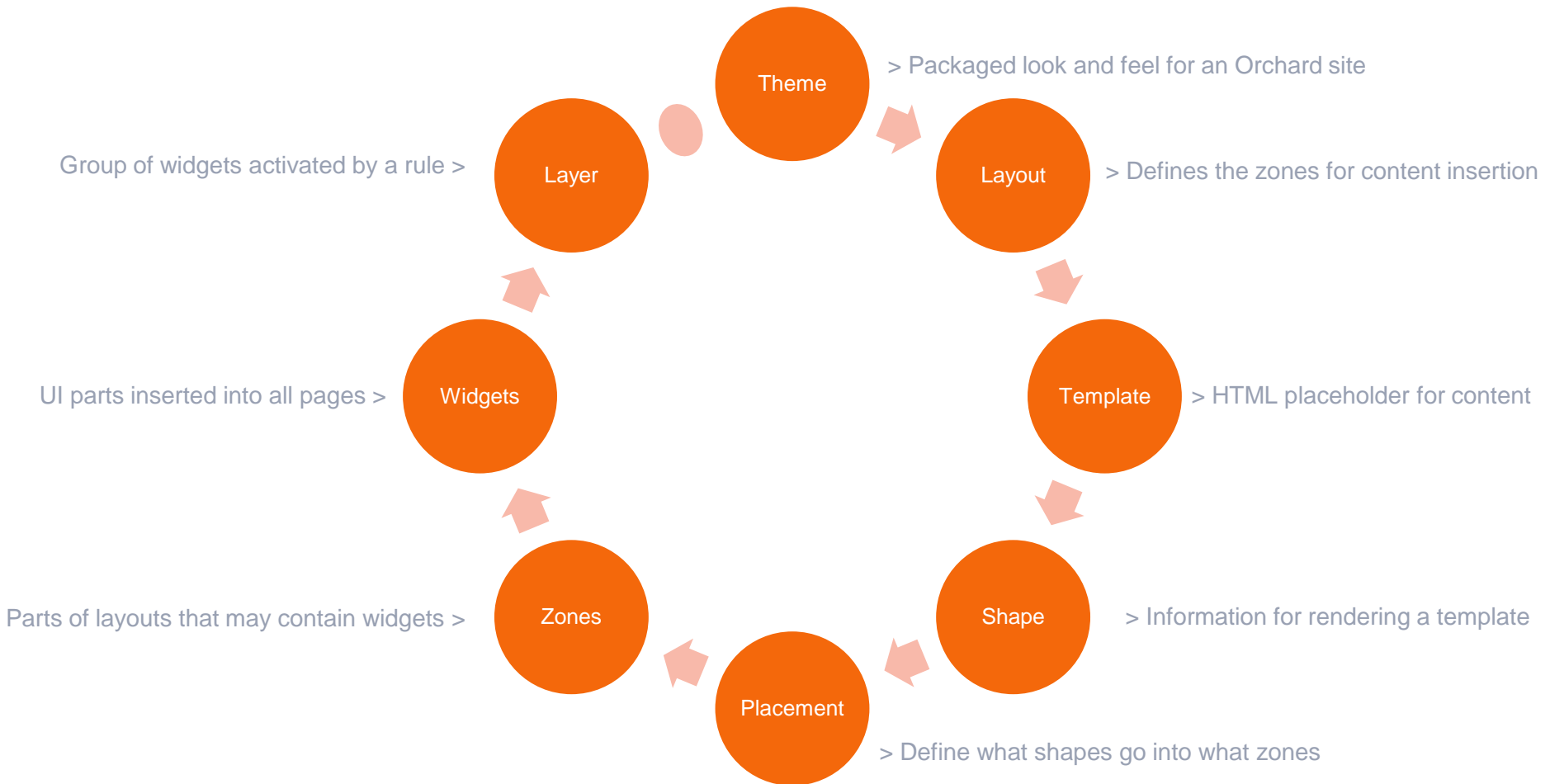


Module

Feature

< Logical grouping of  
functionality that can be  
enabled or disabled

# Orchard Glossary - UI



# Security

Customizable, built in roles

Administrator

- Has full control over the site's settings and contents

Editor

- Does not create content but edit and publish content created by authors

Moderator

- Validates user-created contents such as comments

Author

- Writes and publishes his own content

Contributor

- Writes content but does not necessarily have the rights to publish it

Anonymous

- An unknown user, someone who hasn't logged in

Authenticated

- Any user who has logged in

# Development

## Handler

- Similar to an MVC filter. Code that executes for specific events of the request life-cycle

## Drivers

- Similar to MVC Controllers. Act on the level of a content part. Prepare shapes for rendering and handle admin post-backs

## Model

- The part class and possibly a view model

## Migration

- Description of operations to execute during module installation

# Installing Orchard

- ✎ Microsoft Web Platform Installer
- ✎ Microsoft WebMatrix
- ✎ Clone the Mercurial Repository
  - Create IIS vdir or site pointing to Orchard.Web
- ✎ Download the zip file
  - Extract files
  - Create IIS vdir or site pointing to “Orchard” directory in zip
  - Application pool should be .NET 4.0 and Integrated
  - Browse to site to begin customization
  - Select an Orchard recipe

# Demo



Installing Orchard

# Customizing Orchard



Themes and Modules

# Orchard Command Line

- ✎ Orchard.exe located in the \bin directory under the root of an Orchard site
- ✎ May be used to perform many of the tasks available in the admin UI (dashboard), such as:
  - feature disable <feature-name-1> ... <feature-name-n>
  - feature enable <feature-name-1> ... <feature-name-n>
  - package create <extensionName> <path>
  - package install <packageld> <location> /Version:<version>
  - user create /UserName:<username> /Password:<password> /Email:<email>

# Code Generation

- ✎ Orchard.CodeGeneration feature provides command-line tools for customizing Orchard web sites
  - feature enable Orchard.CodeGeneration
  - Also may be installed/enabled via admin dashboard
- ✎ Create a new theme
  - codegen theme CodeCampNYC
- ✎ Create a new module
  - codegen module CodeCampLocations /IncludeInSolution:true
- ✎ Create a data migration
  - codegen module CodeCampLocations
- ✎ Create a new controller
  - codegen controller CodeCampLocations Places

# Creating a Theme

- ☞ codegen theme Circa1997
- ☞ Browse to the admin dashboard and set to current theme
- ☞ Theme will appear in solution under Themes project
- ☞ Edit Theme.txt

Available



Set Current

Preview

By John Zablocki

Version: 1.0

Description for the theme

<http://www.dllhell.net>

Enable | Uninstall

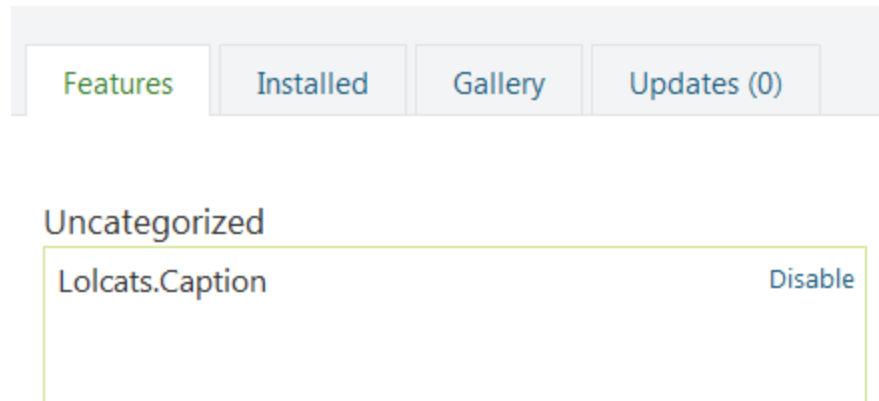
# Demo



Creating a Theme

# Creating a Module

- codegen module Lolcats.Caption
- codegen datamigration Lolcats.Caption
- feature enable Lolcats.Caption



# Demo



Creating a Module

# In Depth



LinkedIn.Profile

# Links

- ✎ <http://www.orchardproject.net>
- ✎ <http://www.codeplex.com/orchard>
- ✎ <http://hg01.codeplex.com/orchard>
- ✎ <http://www.showorchard.com>
- ✎ <http://twitter.com/codevoyeur>
- ✎ <http://linkedin.com/in/johnzablocki>
- ✎ <http://bitbucket.com/johnzablocki>
- ✎ <http://about.me/johnzablocki>

# Questions?

