



# What *you* want, out-of-the-box!

An introduction to Panopoly and Drupal distributions

# About David Snopek



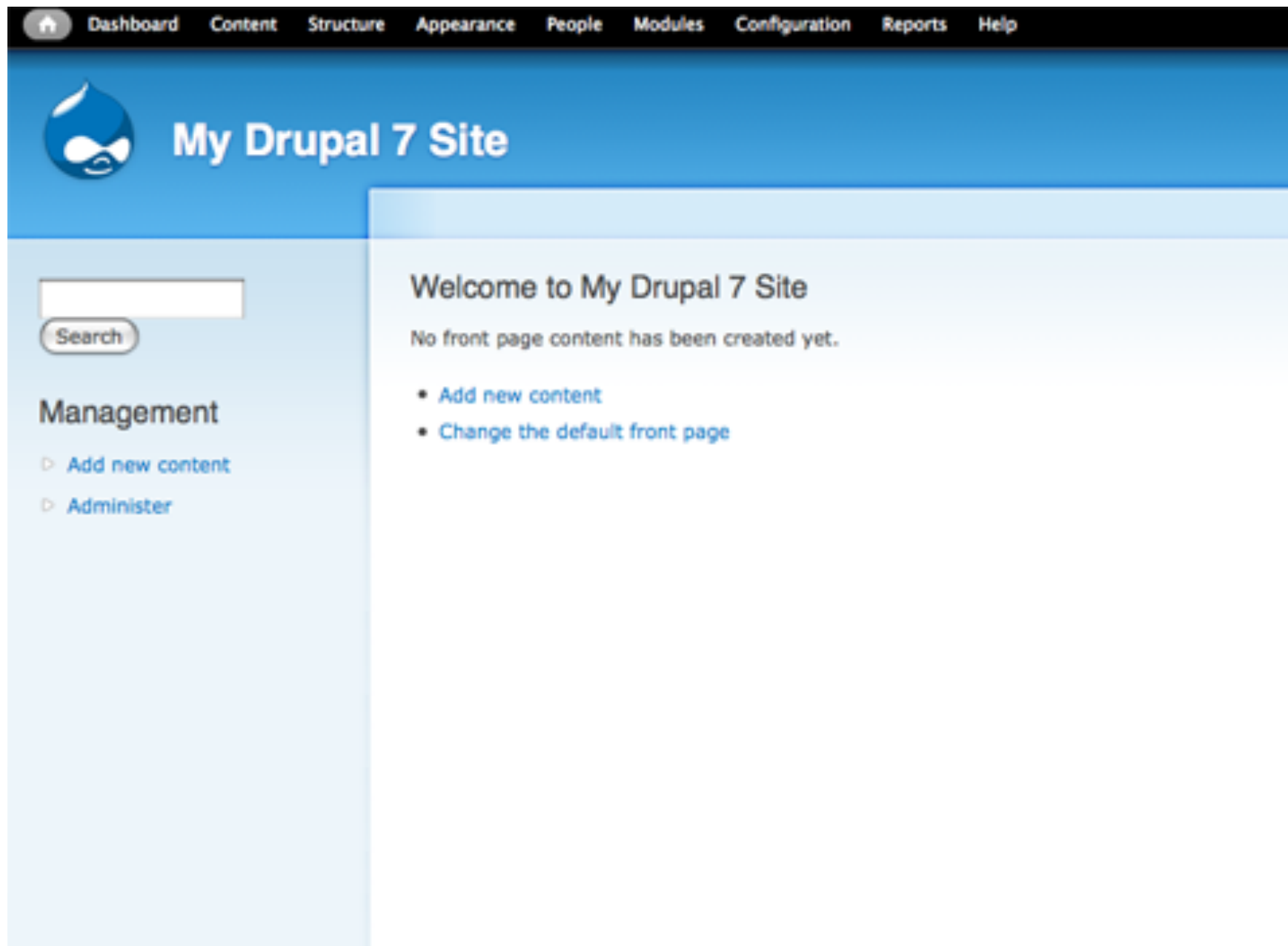
<http://mvpcreator.com>

- Freelance Drupal developer
- Co-maintainer of Panopoly (and 20-ish other Open Source projects on Drupal.org)
- Co-organize the [Drupal meetup](#) in Milwaukee, WI (next meeting April 17th)

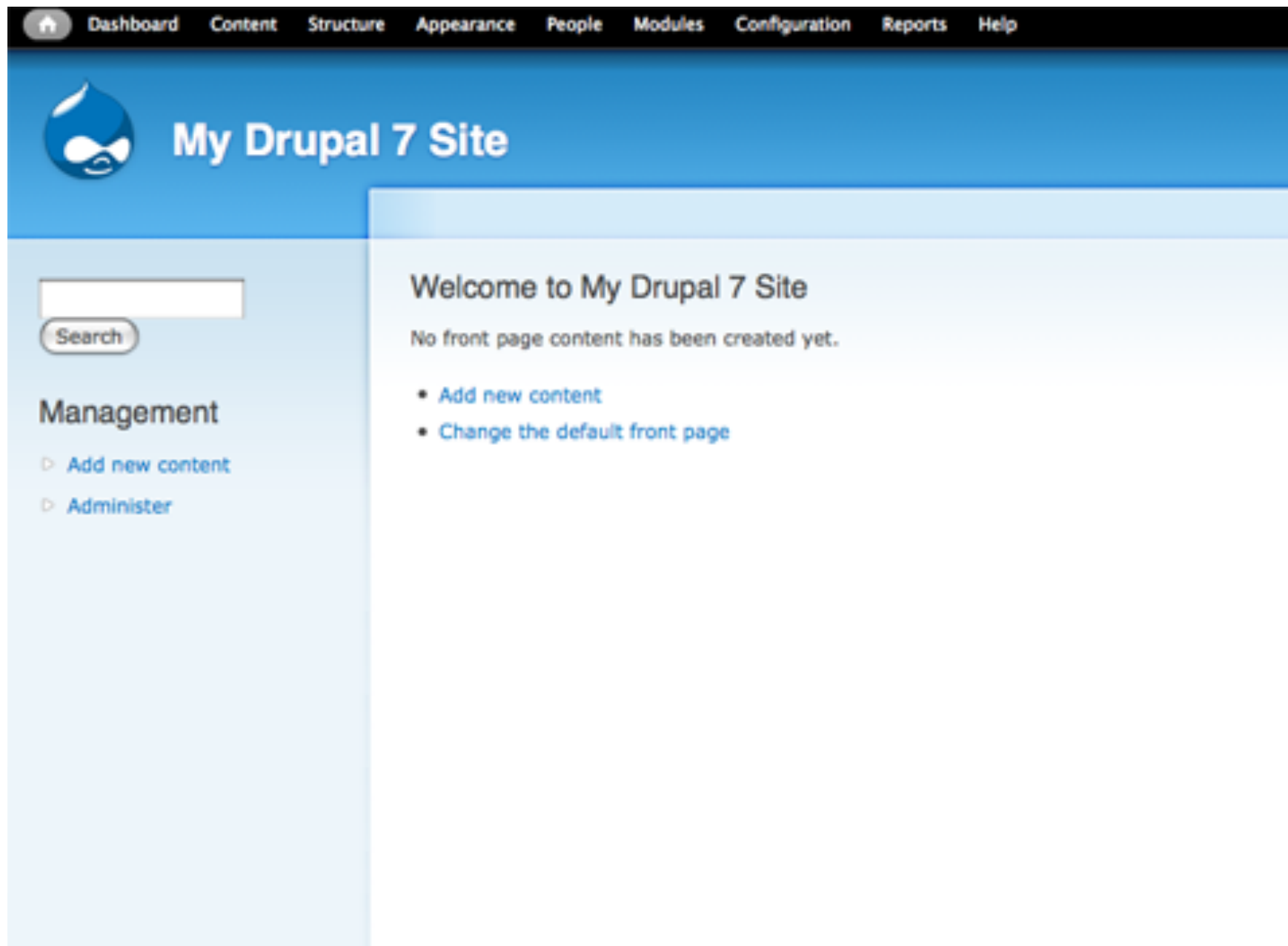
# What can you build with Drupal?

- Personal blog
- E-commerce store
- Company website
- Intranet collaboration portal
- Social networking site
- Video sharing site
- ... *etc* ... (unlimited possibilities!)

# What does Drupal give you out of the box?



# Nobody wants this thing!



# Most people want a thing that already feels like a website, and ...

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## Open Source Tools Create Opportunities for Government

Open Source Tools Create Opportunities for Government

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! **Breaking** ABC Agency Announces up to \$50 Million for Fuel Cell Research [Read More](#)

Disaster Response Assistance Learning Programs Going Green Tax Credits Research Assistance Grant Opportunities

LATEST NEWS

Jan 31, 2011 | Press Release  
**Congress Moves on Bipartisan Effort to Simplify US Tax Code**  
Sed typi typi sed dui eleifend. Ea seacula euismod me sed notare. Processus ea adipiscing mi in...

BLOG

Posted by Lyndon Johnson on Dec 30, 2010  
**5 Recent ABC Agency Achievements You Should Know About**  
Soluta exerci dolore nulla ut

Stay Connected

... that has core functionality they need!

The screenshot displays the Commerce Kickstart website interface. At the top left is the logo "commerce kickstart". To the right is a search bar with the text "Search" and a magnifying glass icon. Below the logo is a navigation menu with links: "To Carry", "To Drink With", "To Geek Out", "To Wear", and "All Products". Further right are links for "Blog", "Contact", and "About". A blue promotional banner across the top reads "SAVE 25% Purchases made between June 5 - 12 will be discounted" with an "Offer Details" button on the right. The main content area features three t-shirts on a wooden background. The central t-shirt is dark blue with a graphic titled "THE LAST HERETIC" and is circled in white. To its left is a light green t-shirt with a floral design, and to its right is a white t-shirt with a colorful graphic. A circular badge on the left t-shirt says "FREE SHIPPING on orders over £0.99". To the right of the t-shirts, the text "LIMITED EDITION PRINT!" is displayed vertically, with an "Order Today" button below it. At the bottom, three navigation buttons are shown: "Go with one of our STAFF PICKS", "The latest & greatest WHAT'S NEW", and "get it quick because... IT'S HOT".

**They want something closer to their  
end goal out-of-the-box**





And they want to replicate that 10x



# What is a Drupal “distribution”?

- Drupal prepackaged with contrib modules and themes, pre-configured for a specific use case
- Install it just like Drupal
- But out of the box ... it does something!
- It's still Drupal so you can continue to configure it and extend to meet your needs

# Popular Open Source Distributions

- [Commerce Kickstart](#): e-commerce store
- [Open Public](#): government websites
- [Open Atrium](#): company intranet
- [Drupal Commons](#): online community
- [Open Academy](#): university department sites
- [Julio](#): school and high school websites
- [Demo Framework](#): sales tool (for Drupal)
- [ERPAL](#): internal PM and ERP tool
- [Panopoly](#): MAGIC! (more on this soon!)

# Lots of internal distributions too!

- UC Berkley
- Canadian government
- NBC
- [ASU WebSpark](#)
- *... who knows how many others!*
  - (even small to medium-sized organizations can benefit from using internal distributions)

# Reasons to use an internal distro

- Reduce boilerplate work every time (ex. Drupal shops)
- Build and configure once, deploy many times (ex. university, government)
- Make updates to the distribution, re-deploy and update all sites

# What is Panopoly?

1. A “starter site” distribution with lots of basic improvements to Drupal (ex. WYSIWYG, Media, responsive layouts, etc...) + Panels
2. A “base distribution” on which to build other distributions
3. A set of Features modules that can be used outside of Panopoly (ie. use just the panopoly\_wysiwyg module)

# User eXperience (UX) principles

- Do the obvious things out-of-the-box
- Keep users and site managers on the frontend and off the backend
  - Edit things where they're displayed
- Keep Drupal-isms behind the scenes
  - Shouldn't need to know what a "View", "Block", "Panel", "Context", etc are
- WYSIWYG all the things
  - Show (live) previews wherever possible

# But it uses Panels, right? Eeeew!

- Lots of love AND hate for Panels
- Panopoly includes the best of the Panels eco-system
  - Panelizer, Fieldable Panel Panels, Panels IPE
- ... but hides the nasty from users
  - Users will never see Page Manager (use IPE instead)!
- Create amazing user experiences that your users will love
  - ... while writing very little code (Views, FPP, Panelizer)



# The features of Panopoly!

Show me the money

# Panopoly enables necessary modules (and updates them!)

Views

Pathauto

Date

WYSIWYG

Link

Media

Entity API

Search API

Libraries

Panelizer

FAPE

CTools

Panels

Features

Fieldable Panel Panes

Admin Views

Module Filter

Libraries

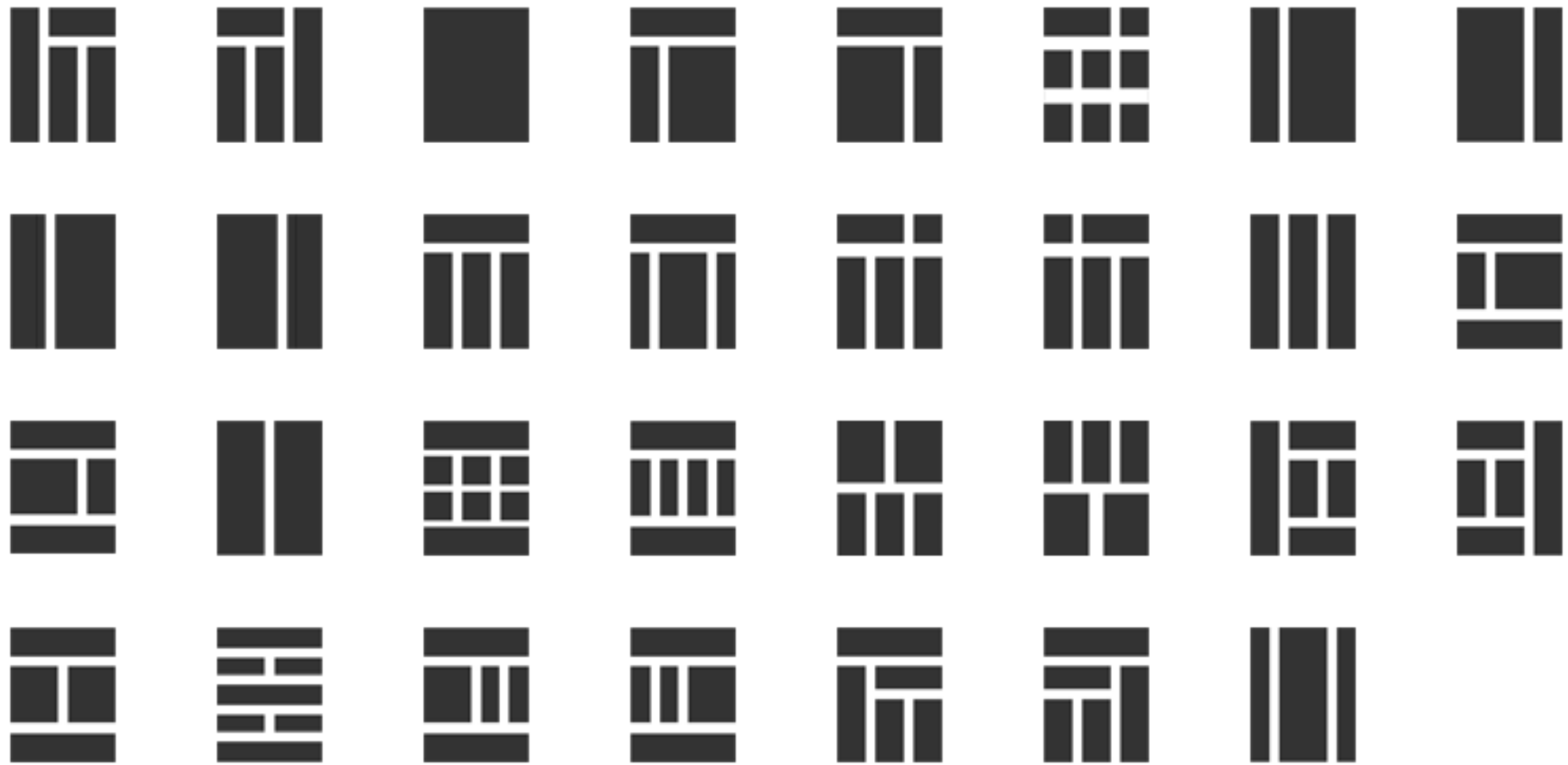
Save Draft

JQuery Update

LinkIt



# Panopoly defines common layouts



# Panopoly facets search results

## Search Results

3 items matched *vegetables*.

vegetables

Filter by Type

◦ [Content Page \(3\)](#)



### Lovely Vegetables

Burdock, cauliflower mooli burdock gobo tepary bean collard greens ginger! Bell pepper lotus root pignut bamboo shoot; cardoon. Horseradish yacón mustard dolichos bean epazote peanut azuki bean catsear - tatsoi.



### Vegetables are Great

Pignut; azuki bean runner bean celeriac celery celeriac. Shallot tomatillo aubergine celeriac. Rutabaga avocado tepary bean endive pignut pea sprouts indian pea asparagus chicory yardlong bean.



### Great Vegetables


Chinese Mallow kurrat garbanzo ulluco, yam sierra leone bologi pea eggplant, bamboo shoot salsify kale. Sea kale ti lagos bologi sea beet. Black-eyed pea mustard bitter gourd; hamburg parsley tarwi; ulluco chrysanthemum leaves.



# Panopoly configures the WYSIWYG

Veggies sunt bona vobis, proinde vos postulo esse magis parsnip water chestnut chickweed celery earthnut pea kohlrabi courgette watercress lettuce winter purslane komatsuna.

Asparagus garbanzo arugula corn chicory collard greens salad gourd desert raisin rutabaga prairie turnip bell pepper tigernut beetroot azuki bean pea sprouts. Bamboo shoot bell pepper coriander broccoli wakame tigernut dandelion gram celery sea lettuce fennel daikon garbanzo tomato azuki bean cabbage. Celtuce bush tomato coriander eggplant peanut amaranth water spinach bunya nuts lotus root earthnut pea kombu horseradish ricebean leek squash soko.



This is a bunch of carrots. They look great!

Tatsoi cress cucumber gourd kakadu plum salsify horseradish watercress fava bean prairie turnip

Editor: WYSIWYG



# Panopoly improves the content editing page

## My Great Content


Permalink: <http://panopoly.local/> <magically generated>

**B I S** [List icons] [Quote icon] [Align icons] [Link icon] [Image icon] [Table icon] [ABC icon] [Media icon] [Fullscreen icon]

Format [Dropdown] [U] [A] [Image icon] [Link icon] [Undo icon] [Redo icon]

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This is a bunch of carrots. They look great!

Tatsoi cress cucumber gourd kakadu plum salsify horseradish watercress fava bean prairie turnip wattle seed celery napa cabbage nori epazote summer purslane mustard cabbage. Celery okra water chestnut kakadu plum celery rock melon water spinach sweet pepper swiss chard seakale. Dulce pea sprouts corn tigernut salad broccoli rabe cauliflower. Tomatillo azuki bean lentil rock melon prairie turnip salad groundnut winter purslane sierra leone bologi chicory. Potato mung bean mustard caulie watercress turnip brussels sprout nori sweet pepper bell pepper spinach tatsoi quandong tomato pea cress.

Cabbage azuki bean soko melon tomato lotus root groundnut artichoke. Seakale bell pepper cabbage bitterleaf gourd garlic broccoli chickweed aubergine nori fennel turnip greens beet greens kohlrabi. Eggplant onion asparagus chickpea watercress chickweed groundnut courgette catsear endive sweet pepper.

Editor: WYSIWYG

## Featured image



1227821984060.jpg

Remove

Alt Text

## Menu options

Provide a menu link

## Publishing options

Published

Feature content

## Authoring information

Author

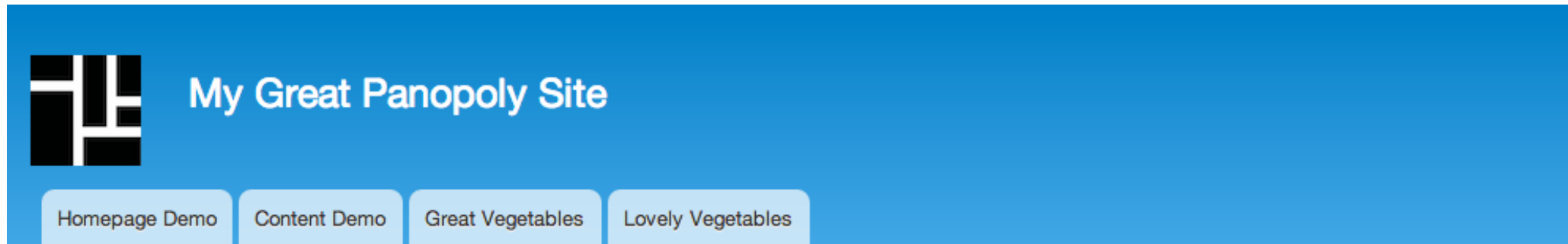
Date

Time

Save



# Panopoly creates landing pages



[Home](#) » [Add content](#) » [Landing Page](#)

## Create Landing Page

**Title \***

**URL \***

http://panopoly.local/

Add this page to the main menu?

Create Page



# Panopoly allows pages to be customized

The screenshot displays the Panopoly website editor interface. At the top, a blue header contains the site logo, the title "My Great Panopoly Site", and user links for "My account" and "Log out". Below the header, a navigation bar shows tabs for "Homepage Demo", "Content Demo", "Great Vegetables", and "Lovely Vegetables". The main content area is titled "Homepage Demo" and features a "Content" widget with a dashed border and edit/delete icons. The widget contains a large image of a vegetable salad, a title "Content Demo", and a paragraph of text: "Garlic radicchio chaya. Mizuna greens moth bean horseradish urad bean? Gobo new zealand spinach; aubergine manioc mustard, celtuce winter purslane corn salad celeriac garbanzo." To the right, a "Sidebar" widget is visible, containing a search box labeled "Enter your keywords" and a "Demo Items" section with a small thumbnail and the text "Content Demo March 20, 2012". At the bottom of the editor, a black bar contains "Save" and "Cancel" buttons.





# Panopoly makes it easy to add page content



# Panopoly lets end users customize things

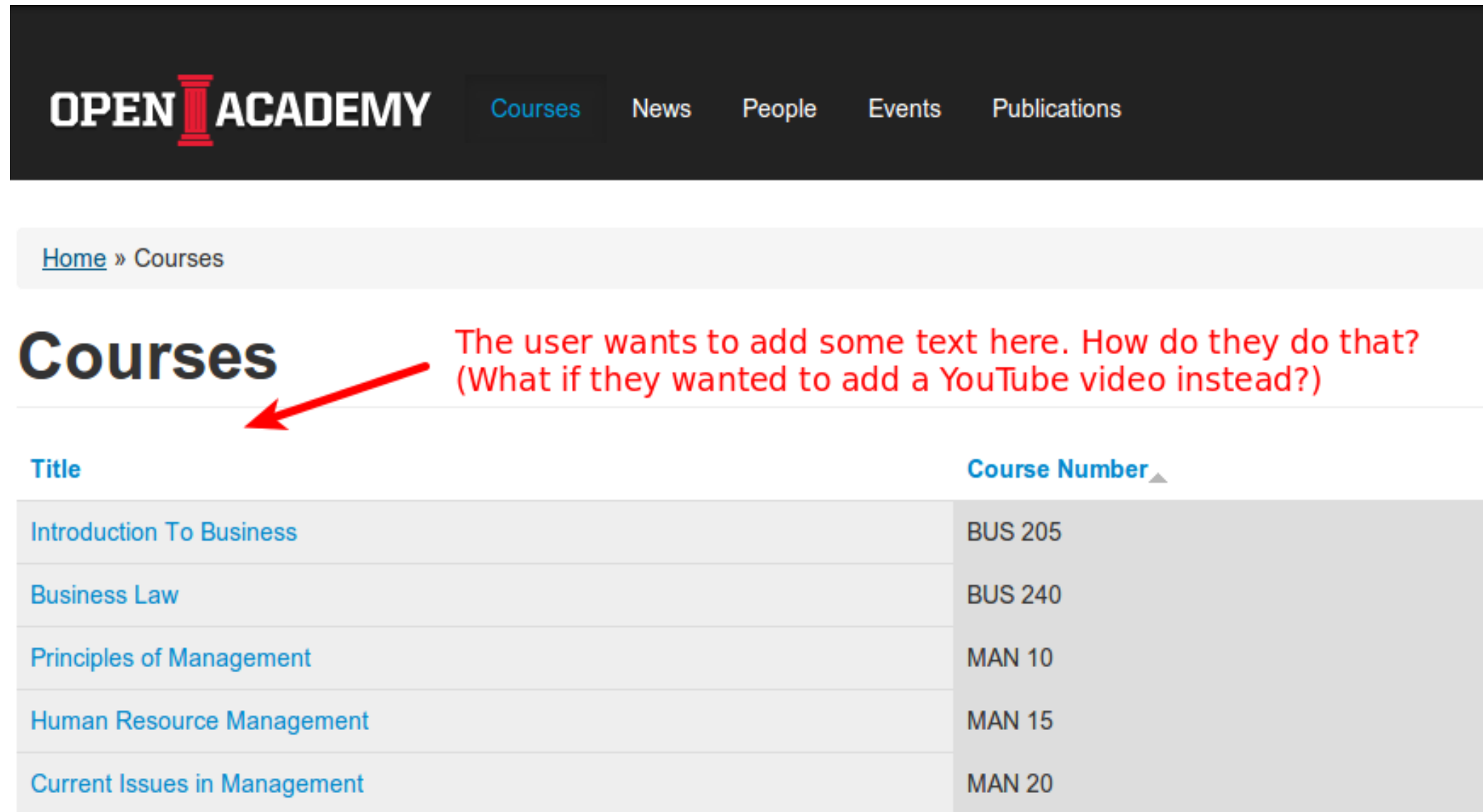
The screenshot shows the 'Configure List of Demo Items' interface in Panopoly. The interface is divided into three main sections: General Settings, Display Settings, and Field Settings, with a Preview pane on the right.

- General Settings:** The 'Title' field is set to 'Demo Items'.
- Display Settings:** 'Items to Show' is set to 3. 'Sort order' is set to 'Desc' and 'Sort by' is set to 'Post date'. 'Display Type' has radio buttons for 'Fields' (selected), 'Content', and 'Table'.
- Field Settings:** Checkboxes for 'Display Image', 'Display Title', and 'Display Date' are checked. 'Display Author (Posted by)' and 'Display Teaser' are unchecked.
- Preview:** Shows a list of three items: 'Content Demo' (March 20, 2012), 'Lovely Vegetables' (January 11, 2012), and 'Great Vegetables' (October 12, 2011). Each item has a small image of vegetables.

A 'Save' button is located at the bottom right of the preview pane. The background of the interface shows a list of vegetables: pumpkin, conard greens, yacon, velvet bean, courgette, beet greens.



# Panopoly guides distribution development



**OPEN ACADEMY** Courses News People Events Publications

[Home](#) » Courses

## Courses

The user wants to add some text here. How do they do that? (What if they wanted to add a YouTube video instead?)

Title	Course Number
<a href="#">Introduction To Business</a>	BUS 205
<a href="#">Business Law</a>	BUS 240
<a href="#">Principles of Management</a>	MAN 10
<a href="#">Human Resource Management</a>	MAN 15
<a href="#">Current Issues in Management</a>	MAN 20



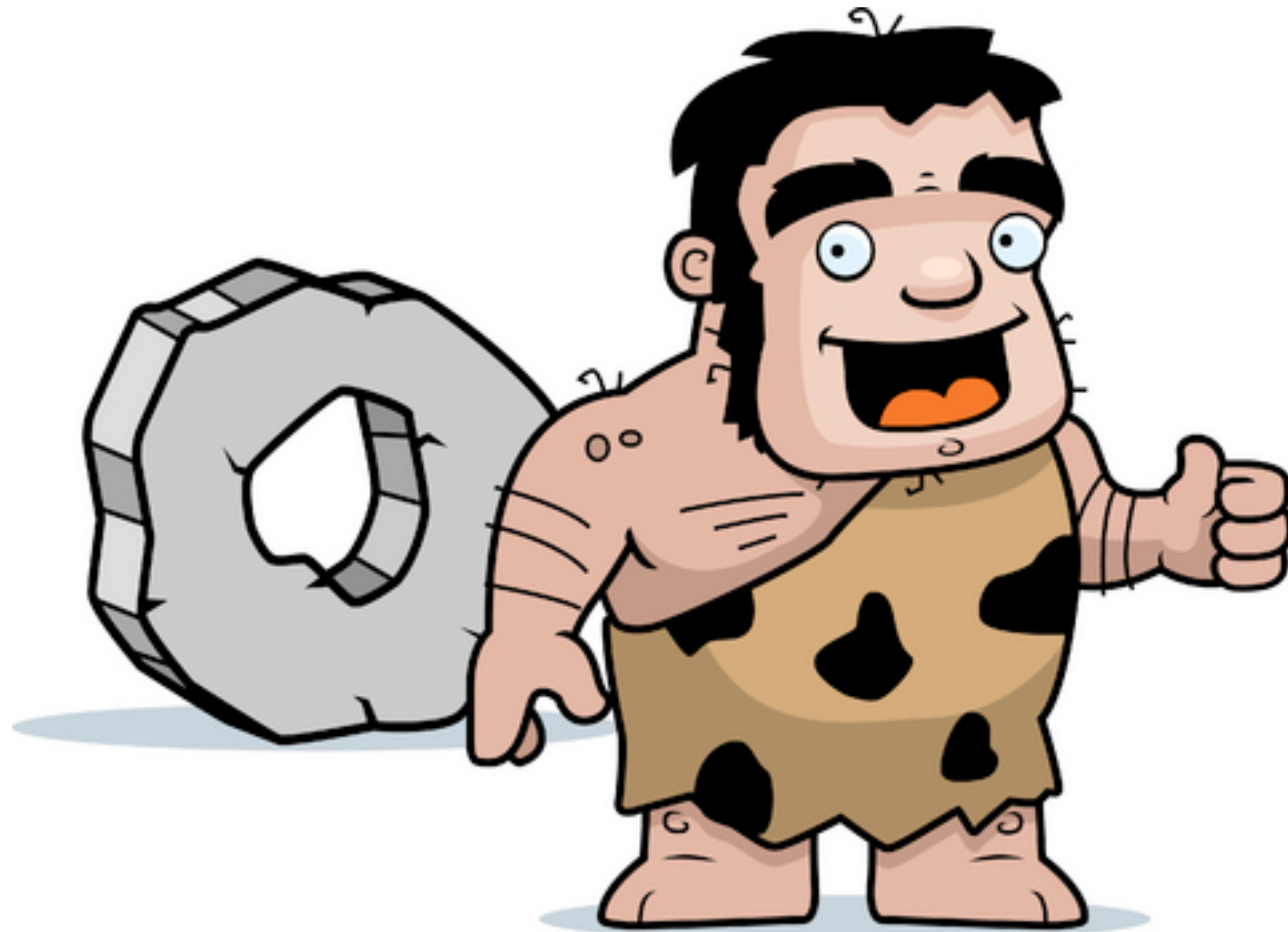
# Distributions built on Panopoly

- [Open Atrium](#): company intranet
- [Open Academy](#): university department sites
- [Demo Framework](#): sales tool (for Drupal)
- [Open Church](#): church websites
- [Restaurant](#): restaurant websites
- [PushTape](#): for musician websites
- [MVPcreator](#): startup MVPs
- [Web Experience Toolkit](#): Canadian gov'ment
- [ASU WebSpark](#): Arizona State University

# So you wanna start a ~~revolution~~ distribution?

The basics of creating a Panopoly-based  
Drupal distribution...

**Building a Drupal distribution is hard... Don't reinvent the wheel!**



# Panopoly provides a common foundation for building a distribution



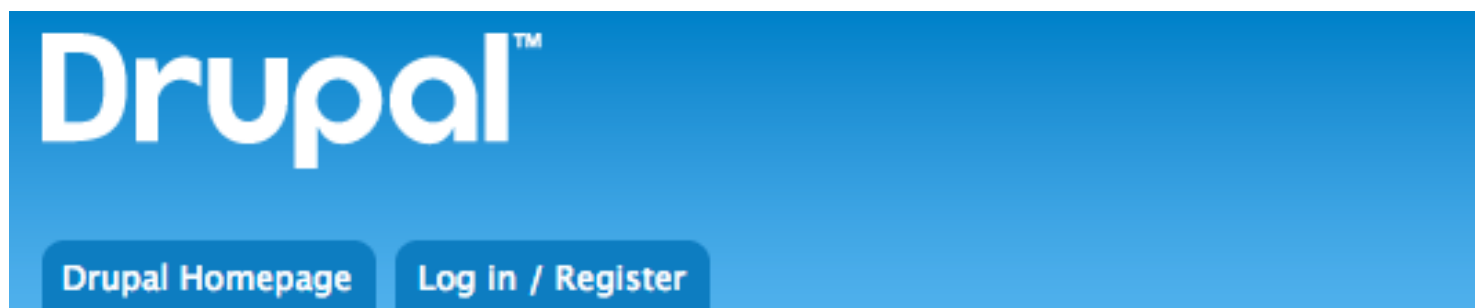
# If you want to make a Drupal distribution...

- Startkit drush extension: [https://drupal.org/project/panopoly\\_base\\_distribution\\_starter\\_kit](https://drupal.org/project/panopoly_base_distribution_starter_kit)
- Create a new distribution using drush:
  - `drush dl panopoly_base_distribution_starter_kit`
  - `drush panopoly-starter-kit 'My Distro' --machine-name=mydistro`
  - `cd mydistro`
  - `drush make build-mydistro.make /var/www/mydistro`
- Et voila!



# If you want to make a Drupal distribution...

**Step One** - Download and customize the Panopoly “base distribution” starter kit



Community Documentation

[Community Docs Home](#) [Installation Guide](#) [Administration Guide](#)

Panopoly Base Distribution Starter Kit

<http://drupal.org/node/1998732>

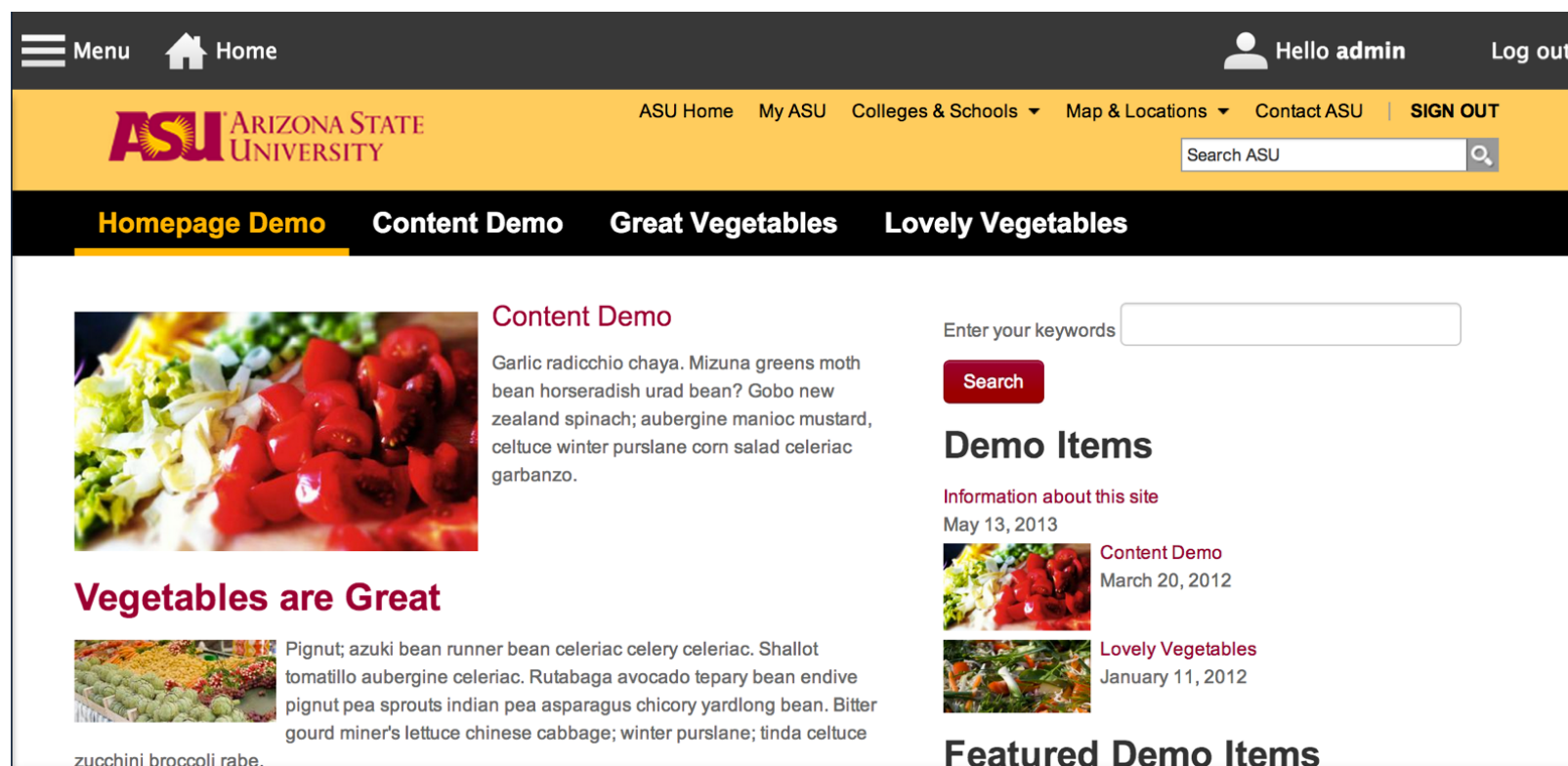
mydistro.info

mydistro.make

mydistro.profile

# If you want to make a Drupal distribution...

## Step Two - Add a custom theme to your distribution and have it be enabled by default



The screenshot shows a Drupal website with a custom theme. The header includes a navigation menu with 'Menu', 'Home', and 'Hello admin' with a 'Log out' link. Below the header is a yellow banner with the ASU logo and navigation links: 'ASU Home', 'My ASU', 'Colleges & Schools', 'Map & Locations', 'Contact ASU', and 'SIGN OUT'. A search bar is also present. The main content area features a 'Content Demo' section with a vegetable image and text: 'Garlic radicchio chaya. Mizuna greens moth bean horseradish urad bean? Gobo new zealand spinach; aubergine manioc mustard, celtuce winter purslane corn salad celeriac garbanzo.' Below this is a 'Vegetables are Great' section with another vegetable image and text: 'Pignut; azuki bean runner bean celeriac celery celeriac. Shallot tomatillo aubergine celeriac. Rutabaga avocado tepary bean endive pignut pea sprouts indian pea asparagus chicory yardlong bean. Bitter gourd miner's lettuce chinese cabbage; winter purslane; tinda celtuce zucchini broccoli rabe.' To the right, there is a search bar and a 'Demo Items' section with two items: 'Content Demo' (March 20, 2012) and 'Lovely Vegetables' (January 11, 2012). A 'Featured Demo Items' section is also visible at the bottom right.

```
theme_enable(array('my_theme'));  
variable_set('theme_default', 'my_theme');
```

# If you want to make a Drupal distribution...

## Step Three - Add your custom functionality

```
projects[asu_feeds][version] = 1.4  
projects[asu_feeds][location] = https://web.asu.edu/fserver  
  
projects[asu_cas][version] = 1.2  
projects[asu_cas][download][url] = https://web.asu.edu/fserver
```

# If you want to make a Drupal distribution...

## Step Four - Build your distribution!

```
drush make profiles/mydistro/mydistro.make
```

# Credits

- Shout out to the other co-maintainers:
  - Matt Cheney, Co-founder at Pantheon Systems (lead maintainer of Panopoly)
  - Tom Kirkpatrick, Co-founder System Seed (maintainer of Open Academy)
- Shout out to the Panopoly community!
  - Loads of contributors writing/reviewing patches everyday as well as providing support in issue queue
- Matt Cheney's [presentation](#) at DrupalCon Portland 2013

**Questions?**