



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

An introduction to Panopoly and Drupal distributions

About David Snopek



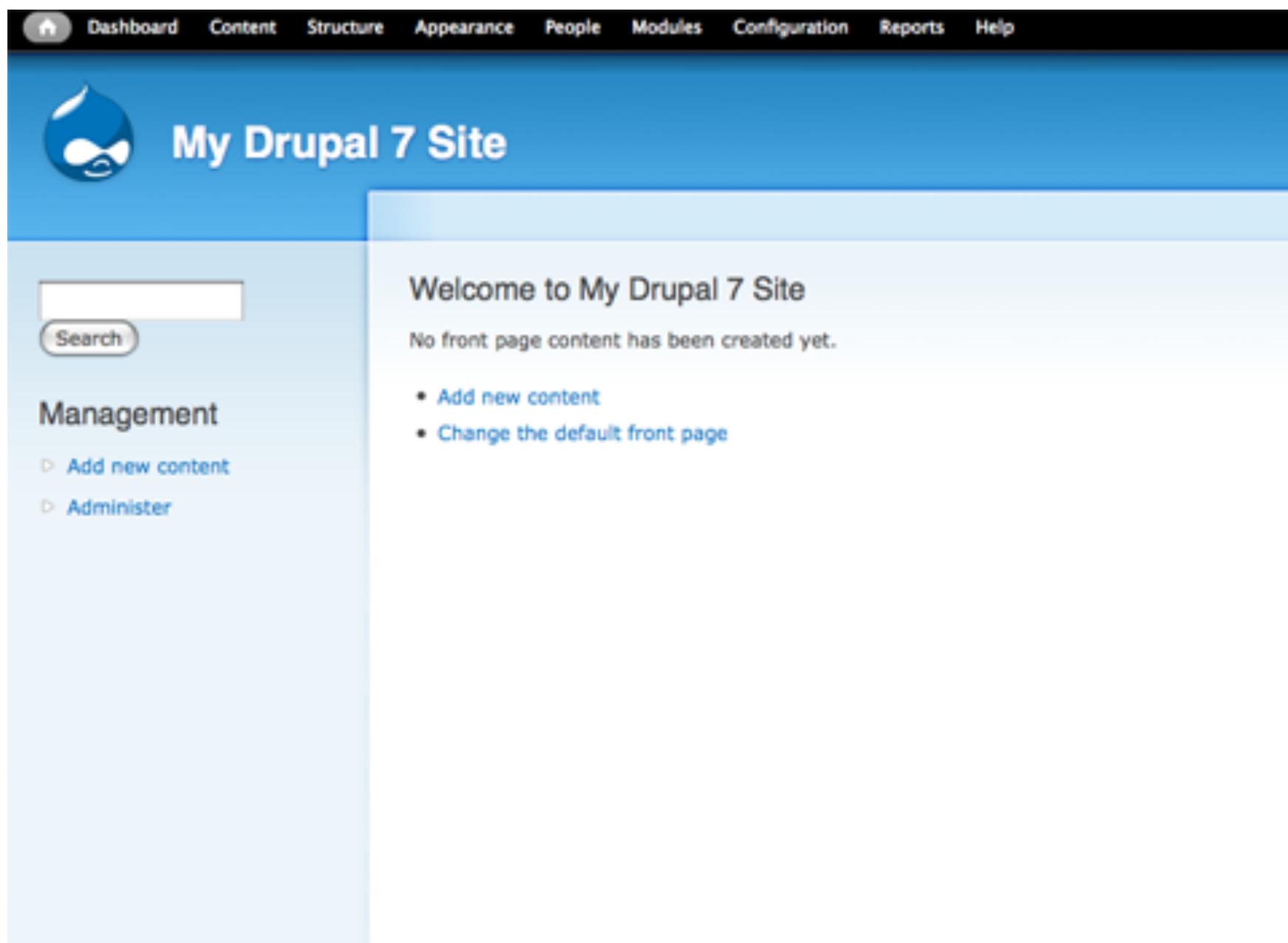
<http://mvpcreator.com>

- 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)

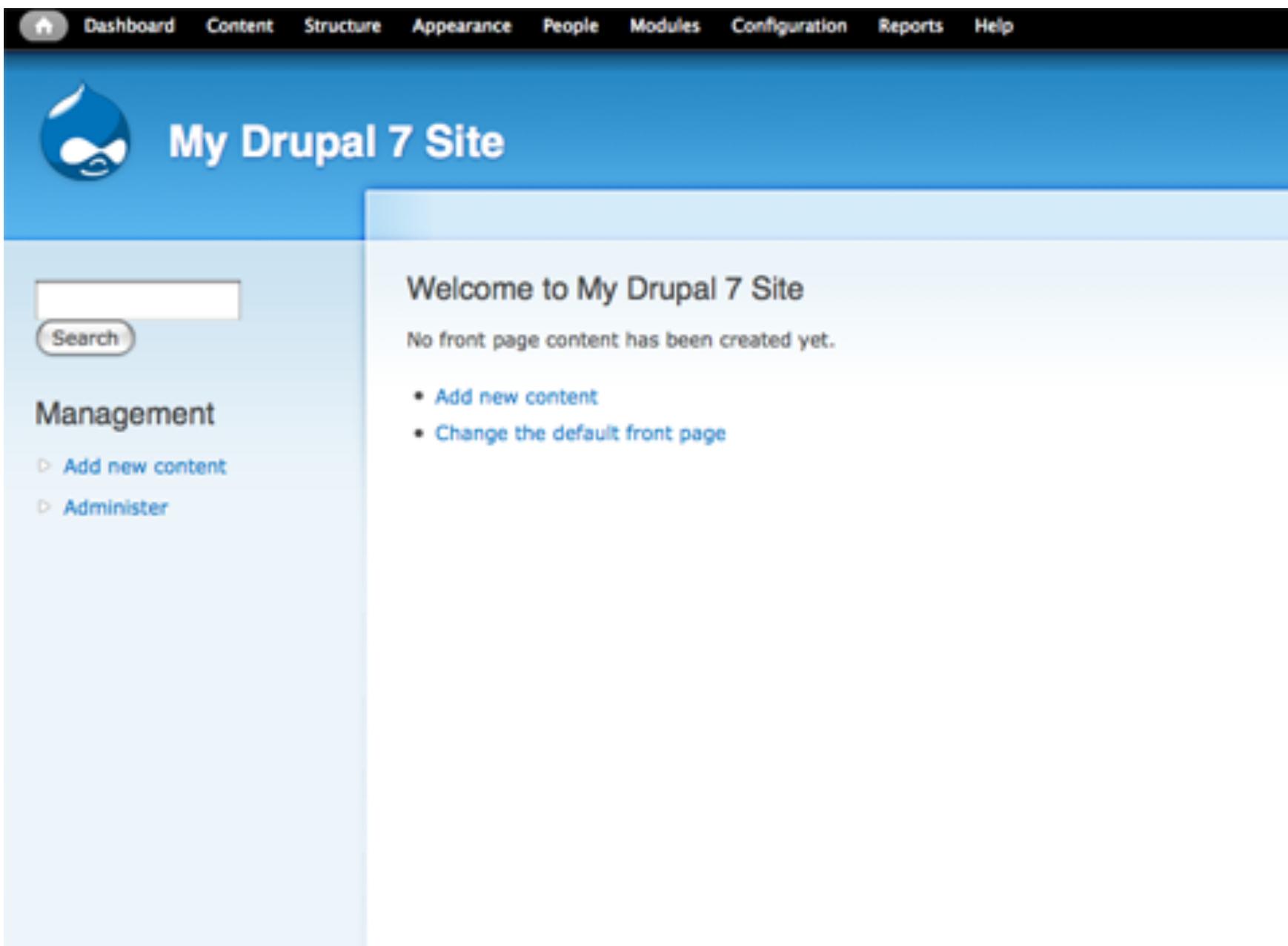
What can you build with Drupal?

- 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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BLOG 

 Posted by Lyndon Johnson on Dec 30, 2010
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Soluta exerci dolore nulla ut

Stay Connected

... that has core functionality they need!

**commerce
kickstart**

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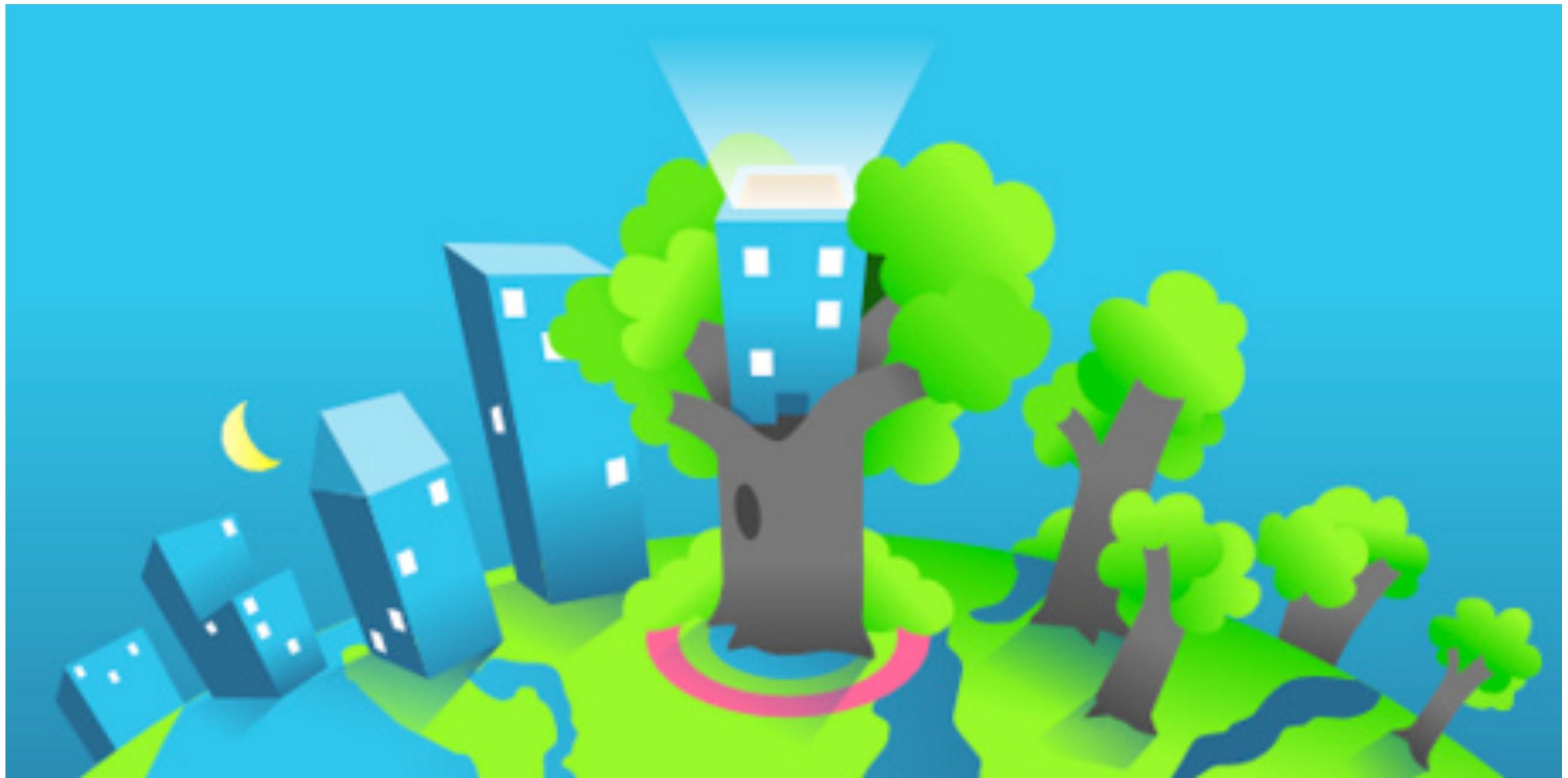
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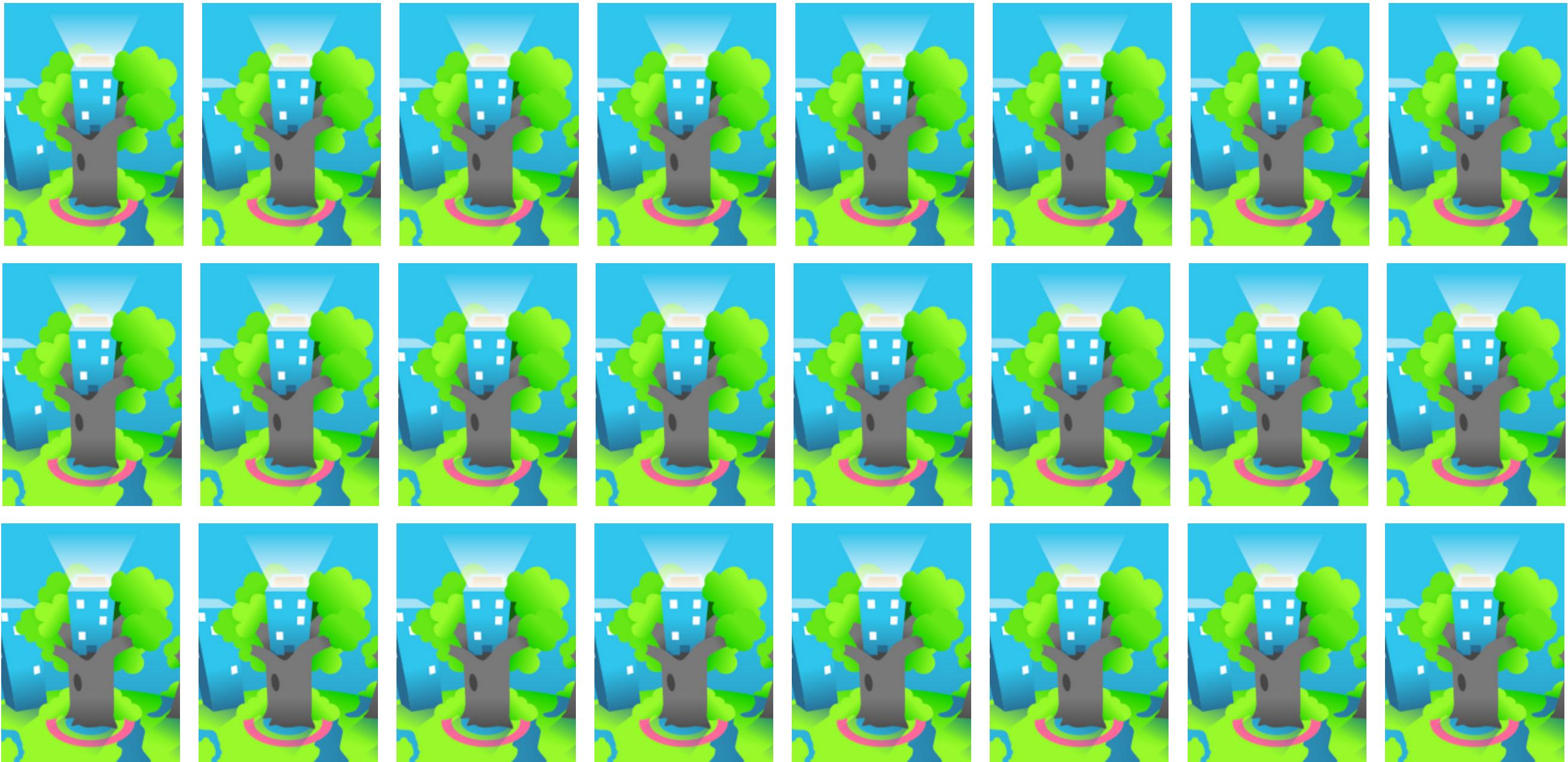
The latest & greatest
WHAT'S NEW

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 Panesl, 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)

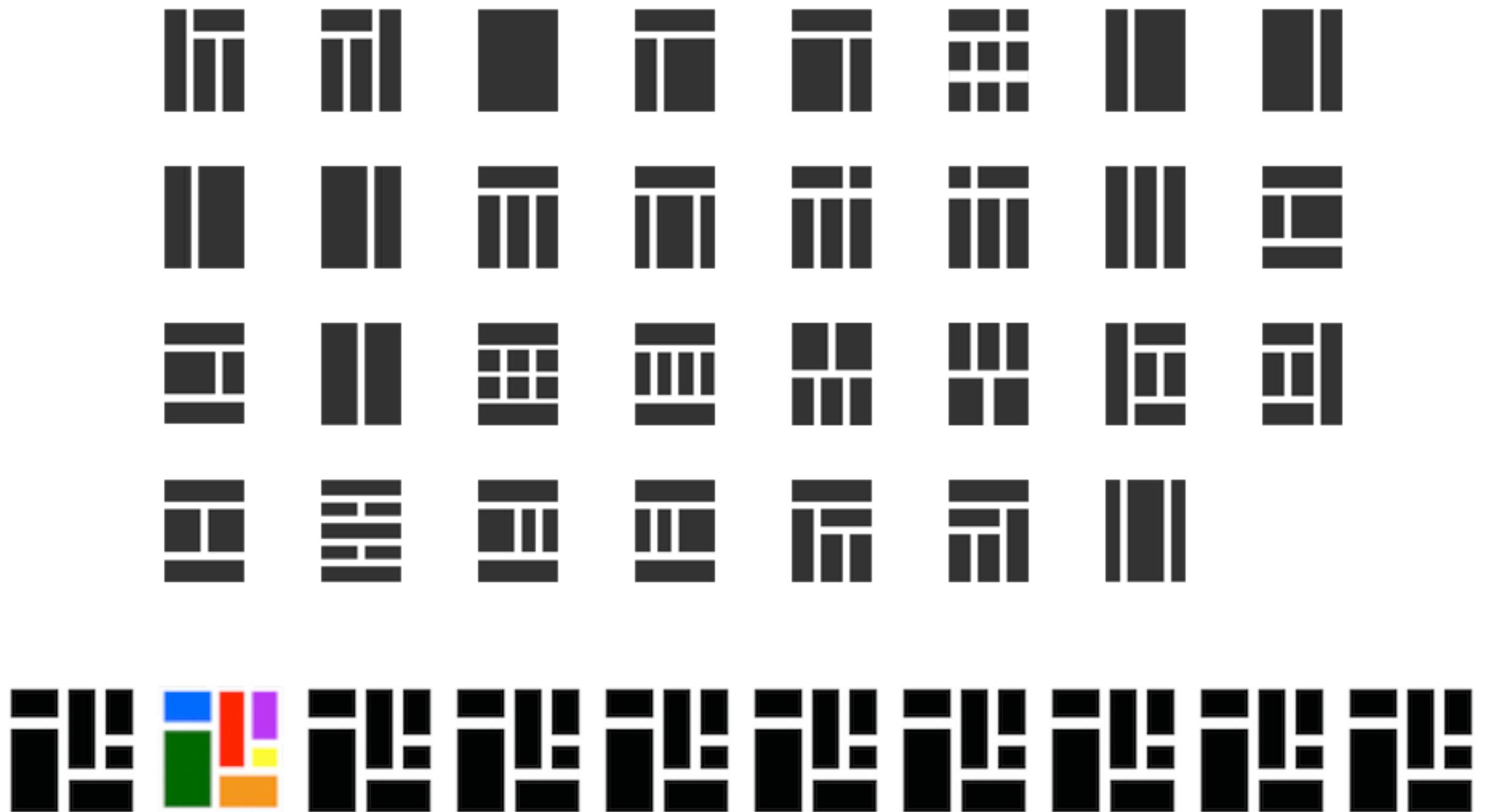
The features of Panopoly!

Show me the money

Panopoly enables necessary modules (and updates them!)



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.

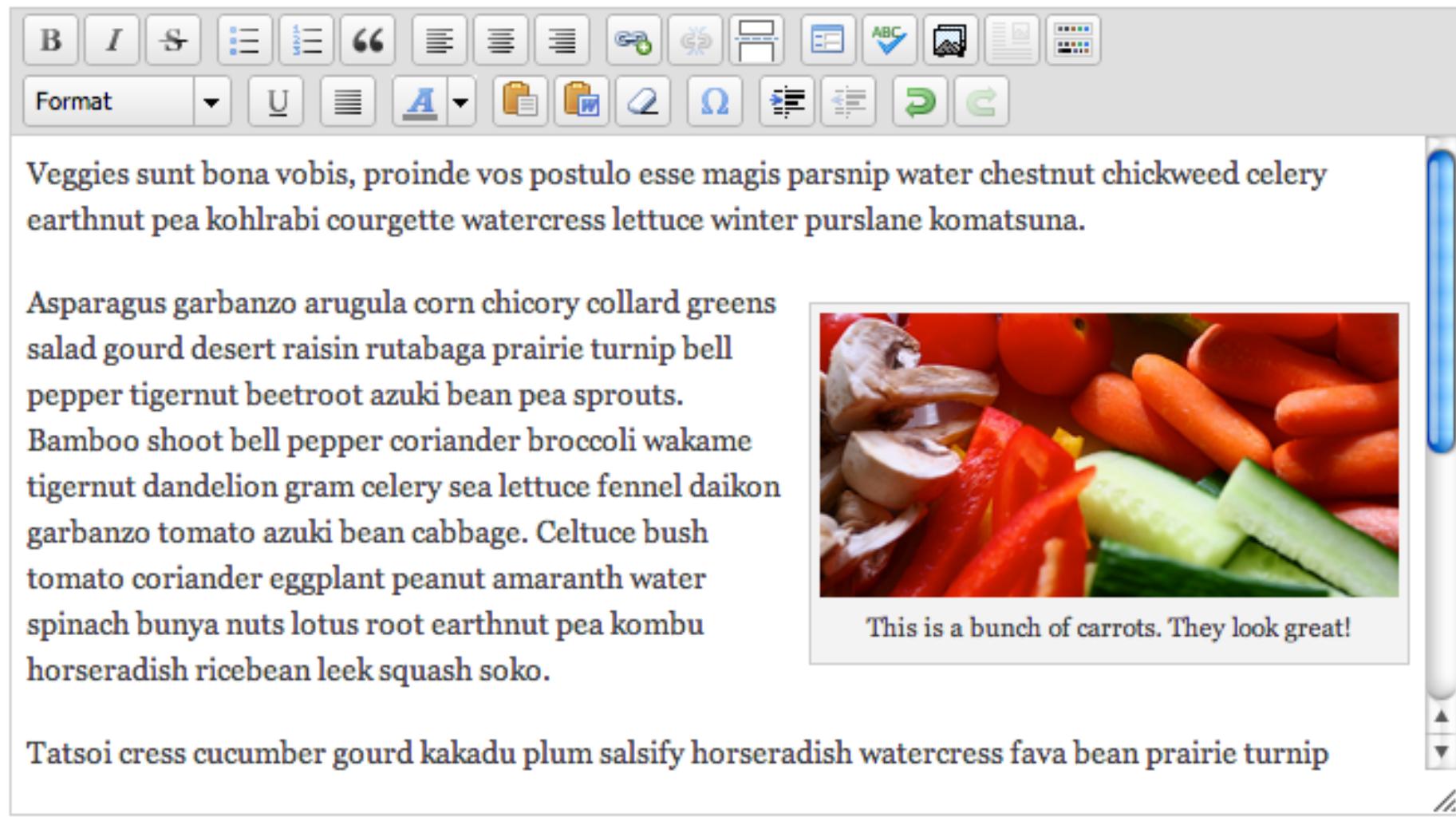


Panopoly configures the WYSIWYG

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. Celuce bush tomato coriander eggplant peanut amaranth water spinach bunya nuts lotus root earthnut pea kombu horseradish ricebean leek squash soko.

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



This is a bunch of carrots. They look great!

Editor: WYSIWYG



Panopoly improves the content editing page

My Great Content

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

B I S E “ “ **Format** **U A** **ABC**

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.

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. Dulse 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.

This is a bunch of carrots. They look great!



Editor: WYSIWYG

Featured image



1227821984060.jpg

Alt Text

Menu options
 Provide a menu link

Publishing options
 Published
 Feature content

Authoring information

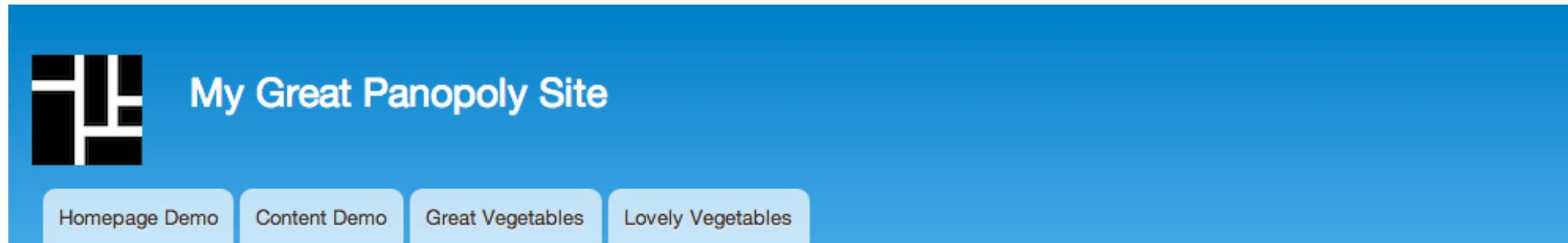
Author

Date

Time



Panopoly creates landing pages



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

Create Landing Page

Title *

URL *

<http://panopoly.local/> <URL of Page>

Add this page to the main menu?

[Create Page](#)



Panopoly allows pages to be customized

My Great Panopoly Site

Homepage Demo Content Demo Great Vegetables Lovely Vegetables

Home » Homepage Demo

Homepage Demo

Content Sidebar

 Content Demo
Garlic radicchio chaya. Mizuna greens moth bean horseradish urad bean? Gobo new zealand spinach; aubergine manioc mustard, celtuce winter purslane corn salad celeriac garbanzo.

Enter your keywords

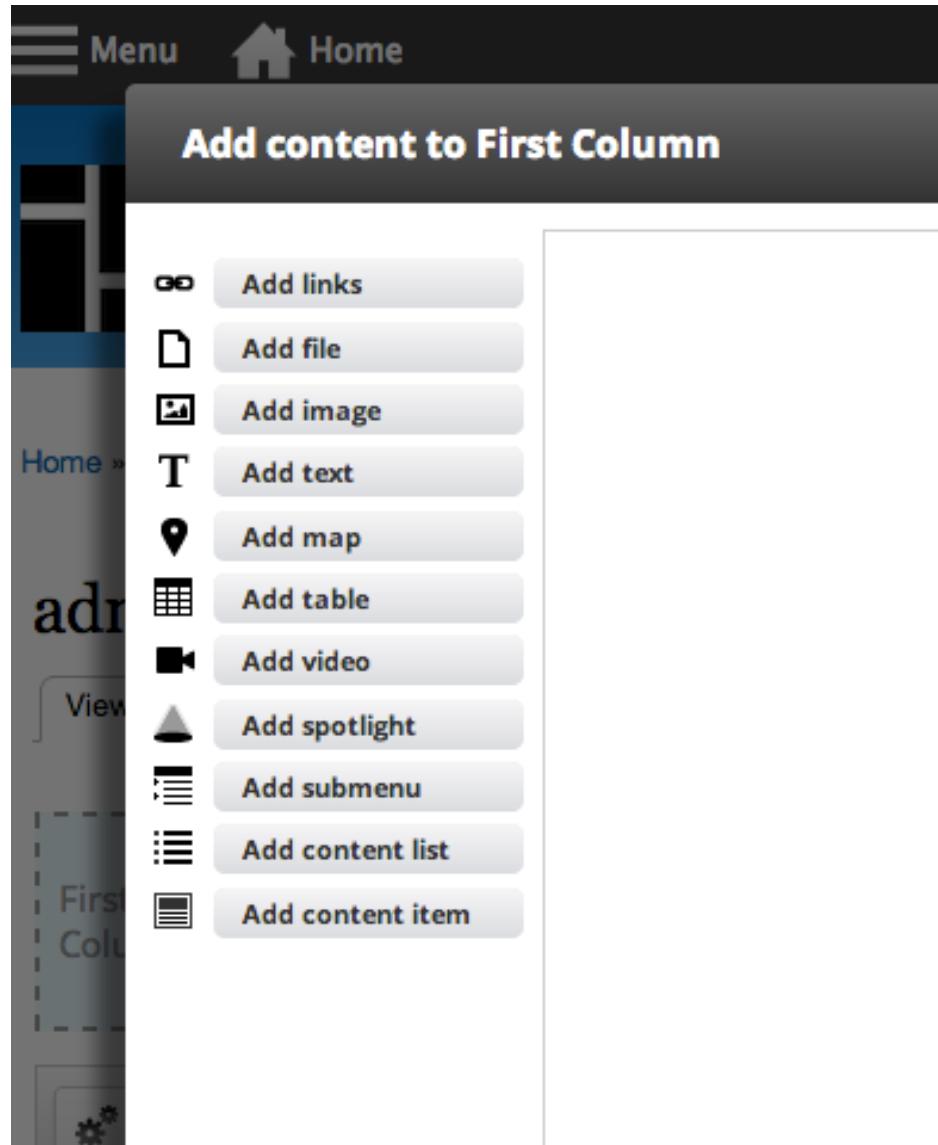
Demo Items

 Content Demo
March 20, 2012

Save Cancel



Panopoly makes it easy to add page content



Panopoly lets end users customize things

Menu Home Hello admin Log out

Configure List of Demo Items

General Settings

Title **Demo Items**

Display Settings

Items to Show **3**
Enter 0 to display all.

Sort order **Desc** Sort by **Post date**

Display Type **Fields** Content Table

Field Settings

Display Image
 Display Title
 Display Date
 Display Author (Posted by)
 Display Teaser

Preview

Demo Items

 Content Demo March 20, 2012

 Lovely Vegetables January 11, 2012

 Great Vegetables October 12, 2011

Save

pumpkin collard greens yacon velvet bean courgette beet greens.



Panopoly guides distribution development

The screenshot shows the Open Academy website. At the top is a dark header bar with the "OPEN ACADEMY" logo on the left and navigation links for "Courses", "News", "People", "Events", and "Publications" on the right. Below the header is a breadcrumb navigation bar with "Home » Courses". The main content area has a title "Courses" with a red arrow pointing to it from the left. To the right of the title is a red note: "The user wants to add some text here. How do they do that? (What if they wanted to add a YouTube video instead?)". Below the title is a table with five rows, each representing a course. The table has two columns: "Title" and "Course Number".

| Title | Course Number |
|------------------------------|---------------|
| Introduction To Business | BUS 205 |
| Business Law | BUS 240 |
| Principles of Management | MAN 10 |
| Human Resource Management | MAN 15 |
| Current Issues in Management | MAN 20 |



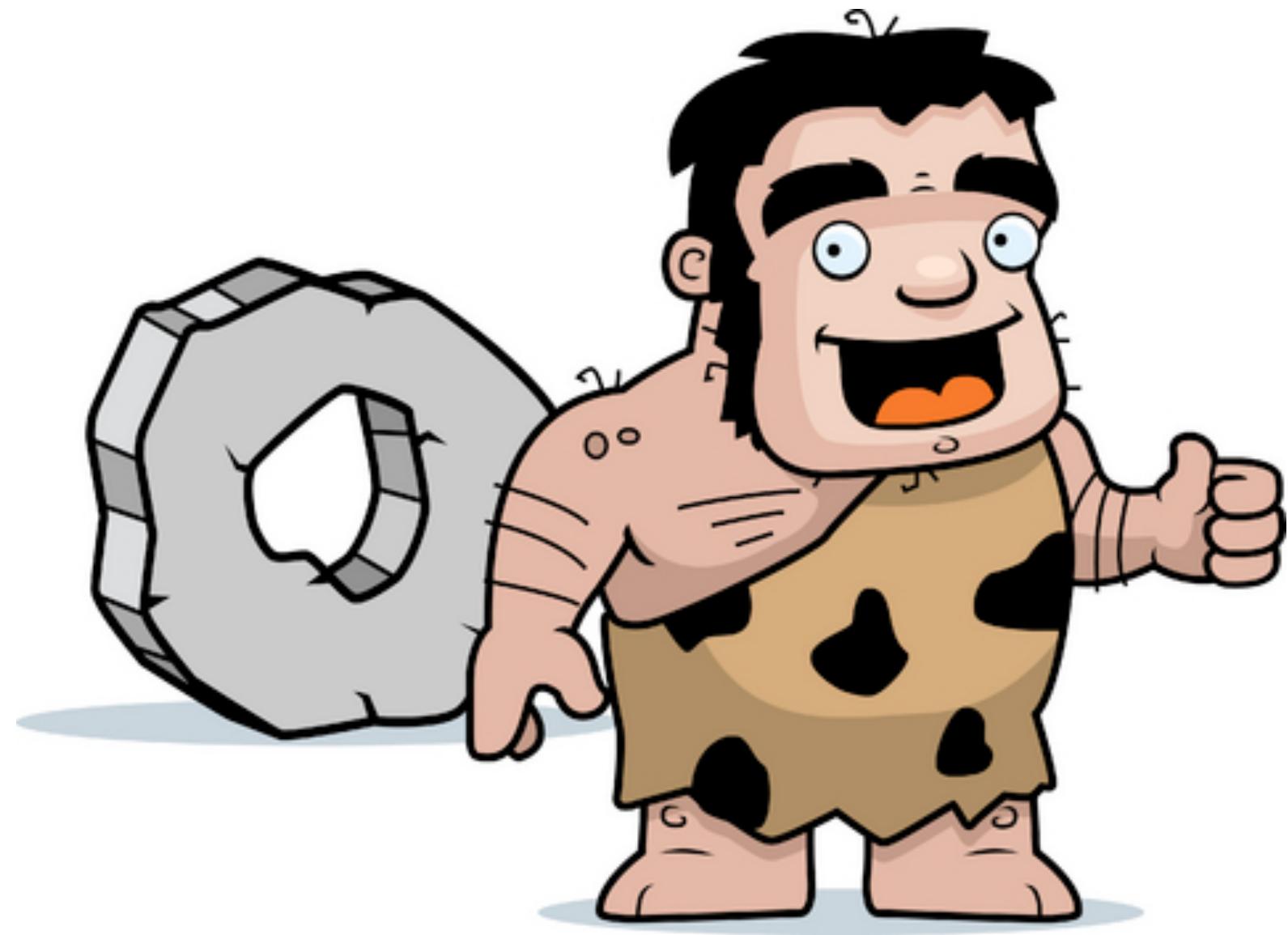
Distributions built on Panopoly

- [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

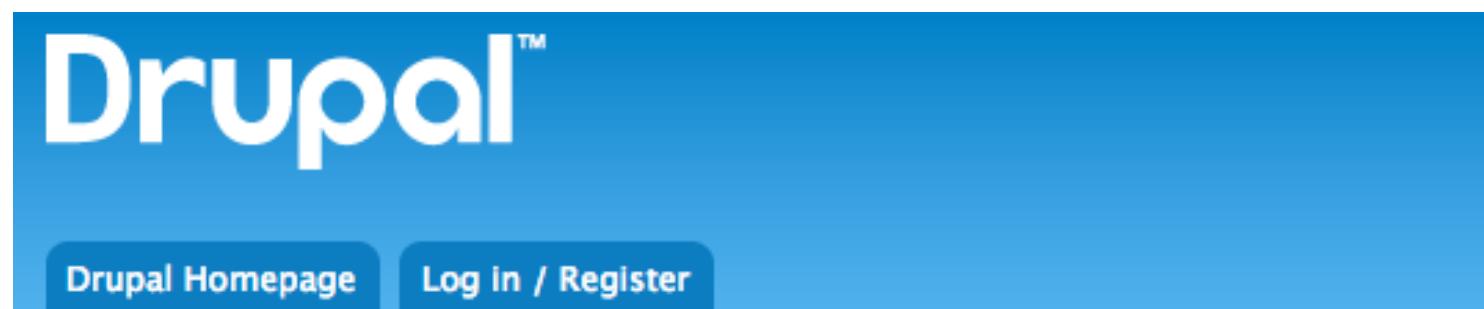


If you want to make a Drupal distribution...

- Startkit drush extension: https://drupal.org/project/panopoly_base_distribution_starter_kit
- 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



mydistro.info

mydistro.make

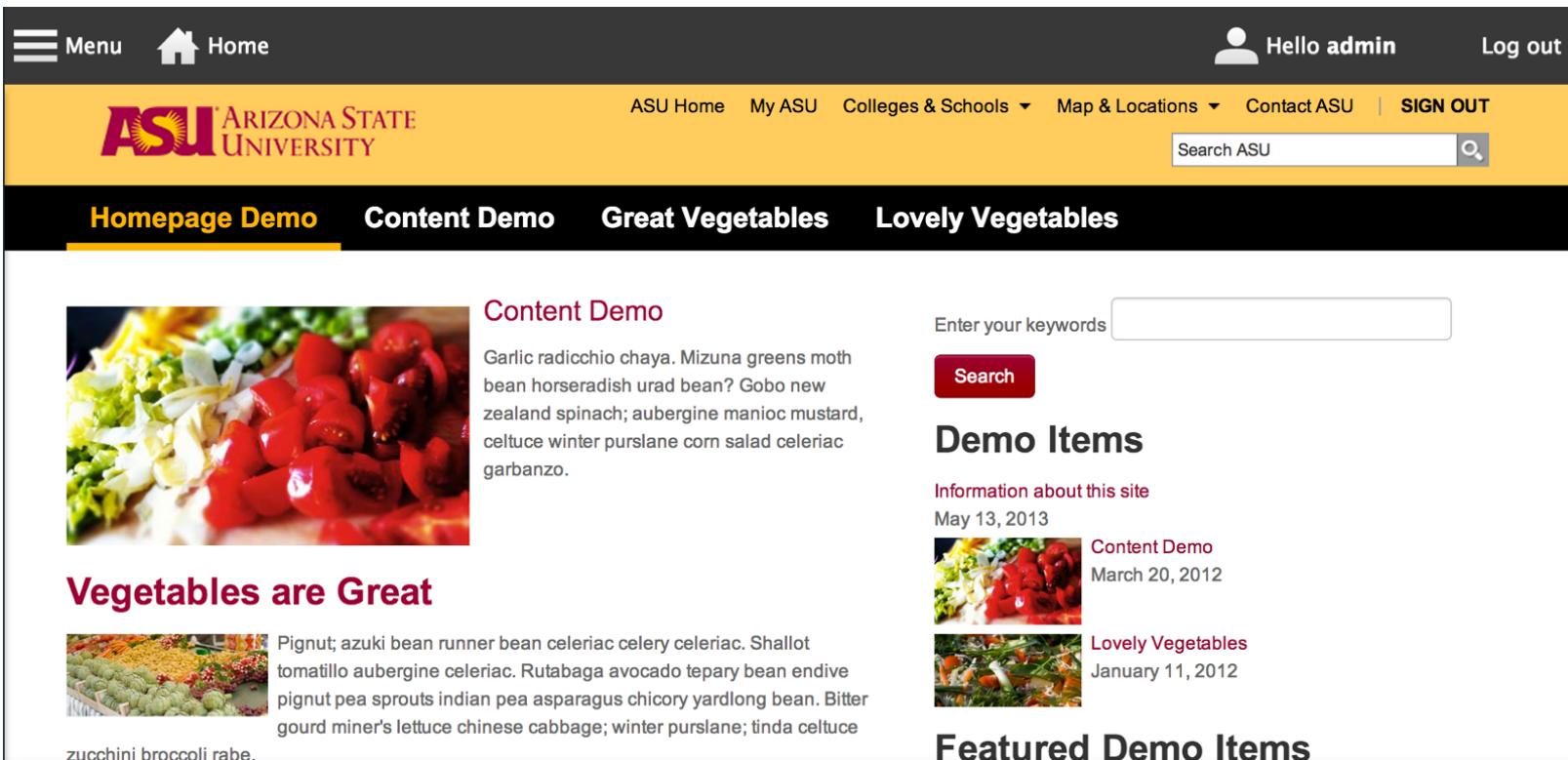
mydistro.profile

Panopoly Base Distribution Starter Kit

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

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 the Arizona State University homepage. At the top, there's a dark header bar with 'Menu' and 'Home' links. On the right, it says 'Hello admin' and 'Log out'. Below the header is a yellow banner featuring the ASU logo. The main navigation menu includes 'ASU Home', 'My ASU', 'Colleges & Schools', 'Map & Locations', 'Contact ASU', and 'SIGN OUT'. A search bar is also present. The main content area has a black navigation bar with tabs: 'Homepage Demo' (which is highlighted in yellow), 'Content Demo', 'Great Vegetables', and 'Lovely Vegetables'. The 'Content Demo' tab is active, showing a large image of various vegetables and the text: 'Content Demo' followed by a paragraph of vegetable names. Below this, there's a section titled 'Vegetables are Great' with another image of vegetables. To the right, there's a sidebar with a search bar and a 'Demo Items' section. The 'Demo Items' section lists two items: 'Content Demo' (March 20, 2012) and 'Lovely Vegetables' (January 11, 2012). At the bottom, there's a 'Featured Demo Items' section.

```
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?