

# WHAT IS DRUPAL?



Global Drupal Training Day



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 [allaboard@lastcallmedia.com](mailto:allaboard@lastcallmedia.com)

 [@lastcallmedia](https://twitter.com/lastcallmedia)



Broadening Scope

Reducing Intimidation

Increasing Inclusivity

Removing Barriers to Entry



## Involvement Ladder: 10 Steps to NERDSummit

1. Join the community.
2. Join all the NERDs social media places.
3. Submit Session requests.
4. Consider Proposing Sessions.
5. Come to a regular NERDs event.
6. Get someone to sponsor.
7. Tell others to do all those things too.
8. Come to a NERDs planning meeting.
9. Register on the Organizers PM site.
10. Come to the Summit!

NICE TO MEET YOU

# NICE TO MEET YOU

Already Using Drupal?

# NICE TO MEET YOU

Already Using Drupal?  
Graphic Designers?

# NICE TO MEET YOU

Already Using Drupal?

Graphic Designers?

Web Developers?

# NICE TO MEET YOU

Already Using Drupal?

Graphic Designers?

Web Developers?

Web Managers?



# TODAY'S EDUCATORS



**KELLY MCCABE**

*Jr. Developer*

Behind Kelly's quiet and careful soft-spoken nature is an inherent programming expertise. She is steadfast and capable; her work enthusiastically speaks for itself.



**KELLYM@LASTCALLMEDIA.COM**



**KSM.APW**

# TODAY'S EDUCATORS



**ROB BAYLISS**

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CTO

As a technology consultant and solutions architect, Rob's consistent pragmatism and technical expertise combine with his confidence and clear communication to make the way forward understandable as well as actionable. An accomplished programmer and marathon runner, Rob systematically achieves success without the BS.



@rbayliss



rob@lastcallmedia.com



rbayliss

# TODAY'S EDUCATORS



**KELLY ALBRECHT**

*Founder, CEO*

Kelly has lived his life solving complex problems. Influenced by analogous solutions drawn from a philosophical naturalism, he enjoys organizing, building and maintaining sustainable solutions.

 [ksalbrecht](#)

 [kelly@lastcallmedia.com](mailto:kelly@lastcallmedia.com)

 [Kelly Albrecht](#)

Alfred University



COMPETITIVE  
ADVANTAGE 



Yale  
UNIVERSITY

CT Fertility  
Promoting families for over 20 years



UMASS  
AMHERST

Coupon  
Craze

 BuildingGreen.com

 LEEDuser

FITiST  
FIND YOUR BEST

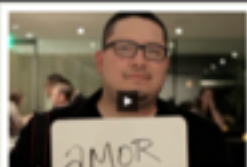


Rainforest Alliance

 ALL  
COLLEGE  
STORAGE

AMHERST  
COLLEGE

VERITÉ<sup>®</sup>



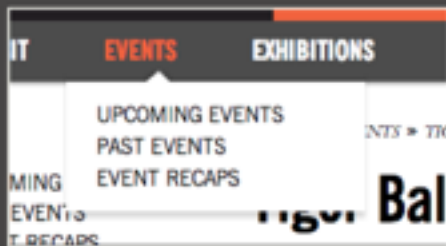
Video: What are you?

PLAYBACK VIDEO INTEGRATION



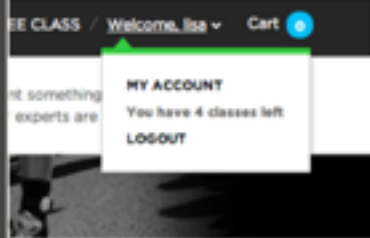
The signature social event of Asia Society Texas Center, Tiger Ball brings together a diverse group of patrons, business and cultural leaders, and international diplomats. The stage is currently being set for an elegant evening in our stunning new home in Houston's Museum District. Get ready for another unforgettable affair. Seating will be limited to 650. For a look at seating and table levels, [click here](#).

FEATURED EVENT PAGES



DYNAMIC FLYOUT MENUS





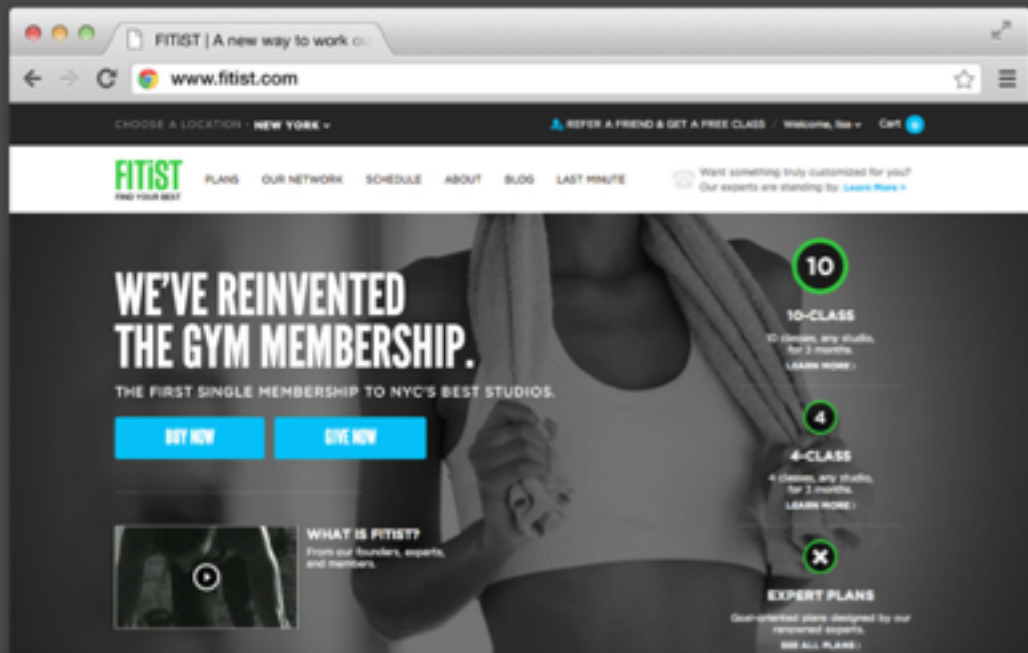
CUSTOM USER DROPODOWN

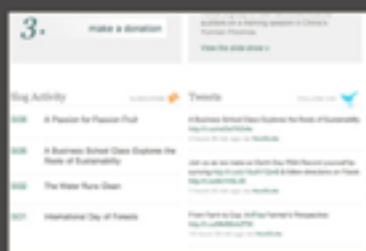


ACCOUNT PAGE

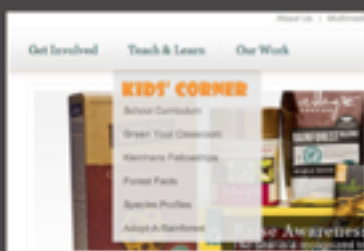


ONLINE SCHEDULING





TWITTER AND RSS WIDGETS



CUSTOM MENU STYLING



KIDS' CORNER



# STORY OF DRUPAL



# STORY OF DRUPAL

the wireless bridge

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the wireless bridge

a means to discuss or share simple things

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Dries decided to release the software behind the website

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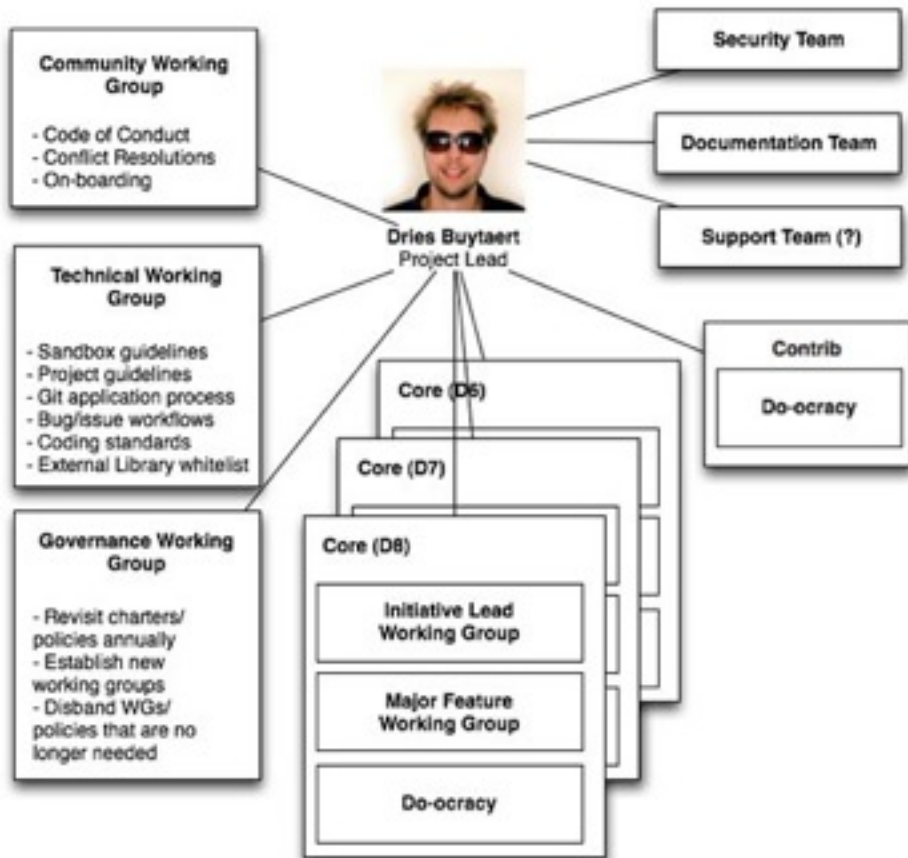
Dries decided to release the software behind the website

to enable others to use and extend the experimentation platform

# DO-OCRACY

While our "do-ocracy" model generally works well for our community, it can also lead to situations like "Tyranny of the person with the most time on their hands." We need ways for smart people who can't be on IRC 18 hours a day or read 300+ reply issues to participate and be respected as equals.

-<http://buytaert.net/proposal-from-first-drupal-governance-sprint>



# THINKING IN DRUPAL

Taking an Idea from Concept to  
Completion



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# PREREQUISITES

This session assumes you have some small start on:

- Webservice basics
- Installing database driven websites

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- ~~Websserver basics~~
- ~~Installing database driven websites~~

# PREREQUISITES

This session assumes you have some small start on:

- [getpantheon.com](https://getpantheon.com)
- [acquia.com/free](https://acquia.com/free)

So you've got a Drupal website...

What are you going to do with it?

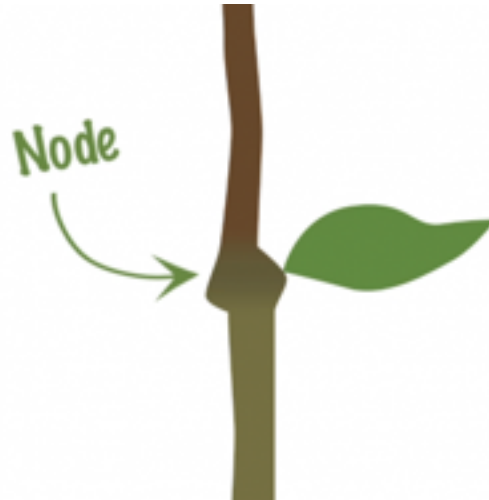
# CONCEPT BREAKDOWN

- What will be a node?
- What fields will it have?

# WHAT WILL BE A NODE?

: a point at which subsidiary parts originate or center

a Node is "the thing itself"



# WHAT FIELDS WILL IT HAVE?

What "subsidiary parts originate or center" on your node?

Think of attributes or properties required by your concept that are associated with each item you've determined to be a node.

# THINK OF AN ADDRESS BOOK

If an address book is your concept...

Each entry of a person is a node.

Each phone number, email address, etc is a field to that node.



# CONCEPT BREAKDOWN

- How will it be added?
- How will it be displayed?
- How will it be interacted with?

It is possible to configure Drupal for basic concepts without adding anything to it.

# EXAMPLE 1

node = basic page  
fields = title, body

How will it be:

added: node/add/page

displayed: front page view, on its own

interacted with: click to read more, comment

The screenshot shows a web browser window with the address bar containing `localhost/kelly/expenses#overlay=node/add`. The top navigation bar includes links for [Dashboard](#), [Content](#), [Structure](#), [Appearance](#), [People](#), [Modules](#), [Configuration](#), [Reports](#), and [Help](#). Below this, a secondary bar contains [Add content](#) and [Find content](#). The main content area features a dark blue header with the text **Add content** and a close icon. Below the header, a white overlay displays the following content:

[Home](#)

---

[> Article](#)  
Use *articles* for time-sensitive content like news, press releases or blog posts.

---

[> Basic page](#)  
Use *basic pages* for your static content, such as an 'About us' page.

---

← → ↻ localhost/kelly/expenses#overlay=node/add/page

Dashboard Content Structure Appearance People Modules Config

Add content Find content

## Create Basic page

Home > Add content

**Title \***


**Body (Edit summary)**

---

localhost/kelly/

Dashboard Content Structure Appearance People Modules Configuration Reports Help

Add content Find content



Think

Home Expenses

🔍

Navigation

- ▶ [Add content](#)

### Test2

Test2 content  
Test2 content  
Test2 content  
Test2 content  
Test2 content  
Test2 content  
Test2 content

---

### Test1

Test 1 content  
Test 1 content  
Test 1 content  
Test 1 content  
Test 1 content

Many times, Drupal needs some help from contributed modules.

What if our concept is a little more off the beaten path?

# EXAMPLE 2 - TASK LIST

# EXAMPLE 2 - TASK LIST

node = task

fields = assigned to, priority, due date, status, title

How will it be:

added: node/add/task

displayed: viewed in table form

interacted with: edit/update individual items



# MODULE RESEARCH

Take your answers and do some research.

Familiarize yourself with

<http://drupal.org/project/modules>

# MODULE RESEARCH

- Browse often and for fun
- Find tools for current use

Learn about tools for future use

# MODULE RESEARCH

## Download & Extend

[Download & Extend Home](#) [Drupal Core](#) [Distributions](#) [Modules](#) [Themes](#)

19953 Modules match your search

Modules categories:

Filter by compatibility:

Status:

Search Modules:

Sort by:

Extend and customize Drupal functionality with contributed modules. If a module doesn't quite do what you want it to do, if you find a bug or have a suggestion, then [join forces](#) and help the module maintainer. Or, share your own by [starting a new module](#).

### Views

Posted by [merlinefchaos](#) on November 25, 2005 at 8:24pm  
Last changed: 9 weeks 5 days ago

#### You need Views if

- You like the default front page view, but you find you want to sort it differently.
- You like the default taxonomy/term view, but you find you want to sort it differently; for example, [taxonomy/term/1](#).

### New Modules

- [Mail Rule](#)
- [Linked data tools](#)
- [RSS Feed Block](#)
- [File Entity Permissions](#)
- [More New Modules](#)

### Most installed

- [Views](#)
- [Token](#)
- [Chaos tool suite \(tools\)](#)
- [Pathauto](#)
- [More Most installed](#)

# /MODULES PAGE

Module categories

Quickly narrow your search

Sort by Most Installed, Last build / Release

Indication of popular, well used and supported, active

# MODULE PAGE

Download & Extend

[Download & Extend Home](#) [Drupal Core](#) [Distributions](#) [Modules](#) [Themes](#)

## Views

[View](#) [Version control](#)

Posted by [marlnofraox](#) on November 25, 2005 at 8:34pm

### You need Views if

- You like the default front page view, but you find you want to sort it differently.
- You like the default taxonomy/term view, but you find you want to sort it differently, for example, alphabetically.
- You use /tracker, but you want to restrict it to posts of a certain type.
- You like the idea of the "article" module, but it doesn't display articles the way you like.
- You want a way to display a block with the 5 most recent posts of some particular type.
- You want to provide "unread forum posts".
- You want a monthly archive similar to the typical Movable Type/WordPress archives that displays a link to the in the form of "Month, YYYY (X)" where X is the number of posts that month, and displays them in a block. The links lead to a simple list of posts for that month.

Views can do a lot more than that, but those are some of the obvious uses of Views.

### Views for Drupal 8

Views is in Drupal 8 Core!

### Recommended versions of Views!

For new installs of Drupal 6, we recommend the 6.x-3.x branch. We have not changed the recommended version you see below, because there is an upgrade bug in 6.x-2.x that causes upgraded views to break.

### Maintainers for Views

[dewahner](#) - 2908 commits  
last 3 weeks ago, first 3 years ago

[tim plunkett](#) - 579 commits  
last 5 weeks ago, first 1 year ago

[damianklopp](#) - 352 commits  
last 8 weeks ago, first 84 weeks ago

[dww](#) - 28 commits  
last 10 weeks ago, first 5 years ago

[xjm](#) - 78 commits  
last 12 weeks ago, first 20 weeks ago

[View all committers](#)  
[View commits](#)

### Issues for Views

To avoid duplicates, please search before submitting a new issue.

  
  
[Advanced search](#)

# EVALUATING YOUR FINDINGS

## Module Page

- Project Description
  - Possibly useful
- Committers
  - Number, Last commit
- Project Information at bottom of page
  - Maintenance Status, Reported Installs
    - High number of installs = lots of eyes on it
- Issue Queue
  - All issues

# MODULE PAGE

## Downloads

### Recommended releases

Version	Downloads	Date	Links
7.x-3.5	<a href="#">tar.gz (1.56 MB)</a>   <a href="#">zip (1.78 MB)</a>	2012-Aug-24	<a href="#">Notes</a>
6.x-2.16	<a href="#">tar.gz (1.21 MB)</a>   <a href="#">zip (1.35 MB)</a>	2011-Nov-14	<a href="#">Notes</a>

### Other releases

Version	Downloads	Date	Links
6.x-3.0	<a href="#">tar.gz (1.13 MB)</a>   <a href="#">zip (1.31 MB)</a>	2012-Jan-04	<a href="#">Notes</a>

### Development releases

Version	Downloads	Date	Links
7.x-3.x-dev	<a href="#">tar.gz (1.56 MB)</a>   <a href="#">zip (1.79 MB)</a>	2013-Jan-06	<a href="#">Notes</a>
6.x-3.x-dev	<a href="#">tar.gz (1.1 MB)</a>   <a href="#">zip (1.26 MB)</a>	2013-Jan-02	<a href="#">Notes</a>

## Project Information

Maintenance status: [Actively maintained](#)

Development status: [Under active development](#)

Reported installs: **566877** sites currently report using this module. [View usage statistics.](#)

Downloads: 3,234,997

Automated tests: Enabled

Last modified: November 7, 2012

Panels

Advanced F

Views Bon

ImageCach

# MODULE PAGE

## Issue Queue

- Open / Total

- Ratio
- # Solved
  - High number = popular, well supported
  - High number of bugs = lots of eyes on it

**Issues for Views**

To avoid duplicates, please search before submitting a new issue.

  
  
[Advanced search](#)  
All issues  
2307 open, 17913 total  
Bug reports  
888 open, 6874 total



# ISSUE QUEUE

## Issues for Views

[Login](#) or [register](#) to create an issue. [Advanced search](#)

Search for  Status  Priority  Category  Version

Component

Summary	Status	Priority	Category	Version	Component	Replies	Last updated	Assigned to	Created
<a href="#">Get sum of price * quantity?</a>	fixed	normal	support requests	7.x-3.5	aggregator data	7	1 hour 15 min		2 weeks 2 days
<a href="#">Change selected</a>	needs work	normal	support requests	7.x-3.5	Views Form	4	5 hours 4 min		6 hours 4 min
<a href="#">Views rebuilds the menu more than it needs to</a>	needs work	normal	tasks	6.x-3.x-dev	Miscellaneous	8	6 hour 41 min	<a href="#">davehner</a>	2 years 13 weeks
<a href="#">Exposed form with style input required</a>	active	normal	bug reports	7.x-3.5	exposed filters	4	10 hours 14 min		1 week 5 days
<a href="#">Segfault with large number of arguments in views_break_phrase()</a>	needs review	normal	bug reports	7.x-3.x-dev	Code	5	10 hours 55 min		5 days 1 hour

# ISSUE QUEUE

- Last Updated

Responsivity

- Created / Last Updated

- Can see old issues being tended to

Should not see same date = unmaintained

# EXAMPLE 2 - TASK LIST

# EXAMPLE 2 - TASK LIST

node = task

fields = assigned to, priority, due date, status, title

How will it be:

added: node/add/task

displayed: viewed in table form

interacted with: edit/update individual items

# EXAMPLE 2 - TASK LIST

fields = assigned to, priority, due date, status, title

Date

User Reference

# EXAMPLE 2 - TASK LIST

displayed: viewed in table form

interacted with: edit/update individual items

Views

VBO - for editing multiple items

Content Access

# EXAMPLE 3 - RECIPE

# EXAMPLE 3 - RECIPE

node = recipe

fields = ingredients, title

How will it be:

added: node/add/recipe

displayed: viewed as a list of its ingredients, or  
as a list for viewing recipes by taxonomy

interacted with: viewed, shared, printed out



# EXAMPLE 3 - RECIPE

fields = ingredients, title

taxonomy - comes with Drupal

# EXAMPLE 3 - RECIPE

displayed: viewed as a list of its ingredients, or  
as a list for viewing recipes by taxonomy  
interacted with: viewed, shared, printed out

ShareThis

Print

Views

# BONUS EXAMPLE: IMAGE GALLERY

# BONUS EXAMPLE: IMAGE GALLERY

Option 1

node = image

fields = title, description, tags, etc

added = node/add/image for each image

display = gallery of images

interacted = click to view next, larger, or own page, hover for more info?

# BONUS EXAMPLE: IMAGE GALLERY

## Option 1 Pros

- More info per Image
- More info in display
- More freedom in display placement per image
- More interaction options

## Option 1 Cons

- More complicated workflow for adding images
- More complicated in display ordering
- Complicated gallery interaction options

# BONUS EXAMPLE: IMAGE GALLERY

Option 2

node = gallery

fields = images

added = node/add or edit gallery

add image to a multiframe

display = each node is a gallery showing all its image fields

interacted = click to view next, larger

# BONUS EXAMPLE: IMAGE GALLERY

## Option 2 Pros

- Fast gallery creation
- Easy interface for ordering
- More gallery interaction options

## Option 2 Cons

- Less info per Image
- More restriction in display placement per image
- Fewer interaction options

# BONUS EXAMPLE: IMAGE GALLERY

## Comparison

Option 1

node = image

Option 2

node = gallery

What you choose to be your node determines the pros you will enjoy and the cons you will need to overcome in completing your concept.



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