

Development Workflow With Git

BADCamp
November 3, 2012



I am
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Thoughts, adventures, projects, and photography by Shawn DeArmond

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The Disneyland Process

It has become fairly well-known that our family likes Disneyland. Traditionally, we have made our journey out to the Magic Kingdom about once per year, which is nowhere near the "true" Disneyland fans, but for a NorCal family, that's not bad. Friends frequently ask us for advice when they're planning their trip, and we're only happy to oblige because we believe we had really nailed down the Disneyland process.

Then we had a kid.

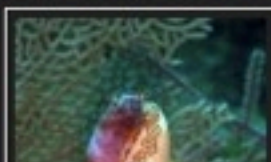
[Read more...](#)



DrupalCamp Sacramento 2012

In just two weeks, June 8-10, the [Sacramento Drupal User Group](#) will be hosting the second annual [DrupalCamp Sacramento](#) at UC Davis. Last year was a resounding success, and this year we look to build on that momentum. We are pleased as punch to have [Chris Shattuck](#) as our keynote speaker, and it will prove to be a great weekend.

[Read more...](#)



Turneffe Atoll

Day 6: For our last full day, I scheduled a dive trip to Turneffe Atoll, which is about an hour boat trip south-east from Caye Caulker. It's the east ridge of the mountain chain that is the Belize barrier reef and cause about 10 miles wide and 20 miles long.

Topics

[Drupal camouflage waterfall](#)
[Sierra Nevada scuba](#)
[adventure underwater](#) [Drupal](#)
[Planet fish](#) [nature](#) [river](#)
[bugs](#) [butterflies](#) [landscape](#)
[Belize](#)

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Tweets

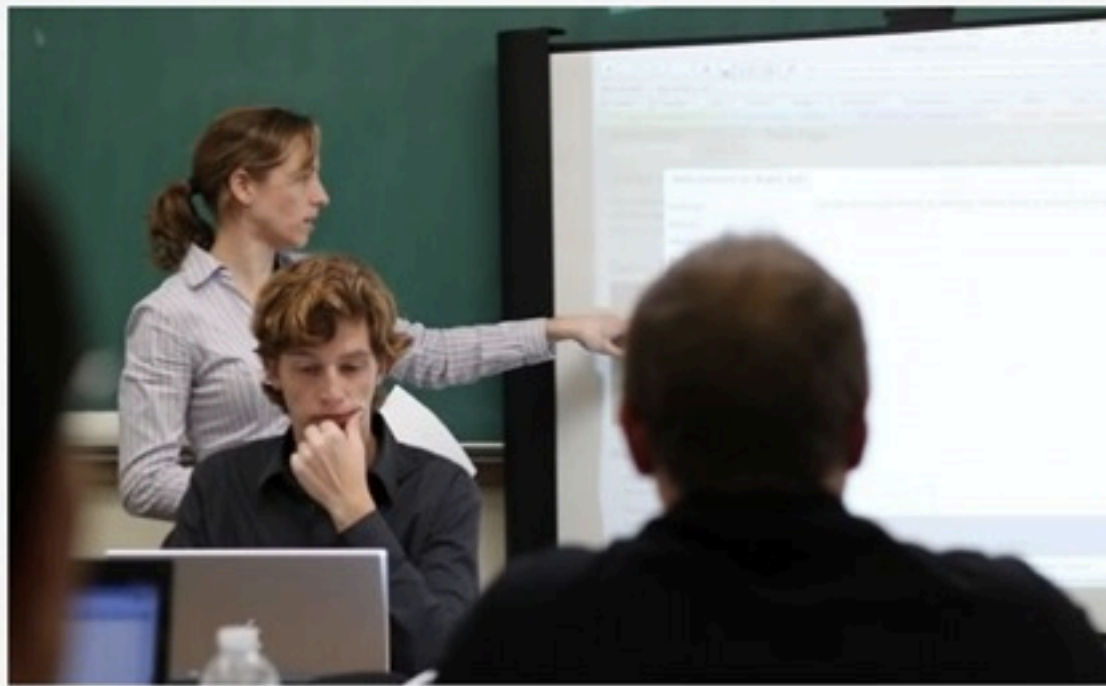


[shawndearmond](#) Hooray! My blog is now listed on Drupal Planet: [t.co/Jho97L1a](#) I guess I better write something now, huh...

Up and Running

DeArmond.net

Drupal Best Practices

[Back to Training](#)

Description

This one-day workshop gives you a comprehensive tutorial on the right way

DETAILS

Location: San Francisco, CA

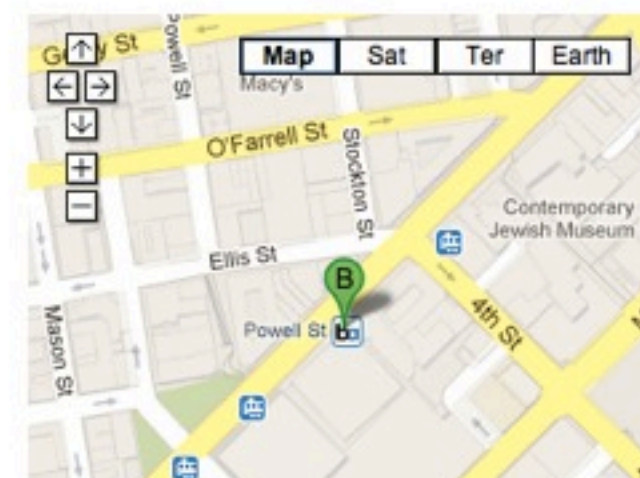
Date: December 5, 2012

Time: 9:30am - 5:00pm

Cost: \$400

[ENROLL](#)

VENUE & DIRECTIONS



Chapter Three

chapterthree.com



Quick Git Review



Development Workflow



Branching Model



Quick Git Review

Version Control Systems

Distributed



Centralized



Make this folder a Git repository

```
$ cd myproject
```

```
$ git init
```


Add files to the repository: one at a time or all at once.

```
$ git add myfile.txt
```

or

```
$ git add .
```


Commit additions to the repository

```
$ git commit
```

...and then leave a comment.

Edit the file.

```
$ vi myfile.txt
```


Add CHANGED FILES to the repository:
one at a time or all at once.

```
$ git add myfile.txt
```

or

```
$ git add .
```


Commit changes to the repository

```
$ git commit
```

...and then leave a comment.

Oh sure, if you want to do it the EASY way...

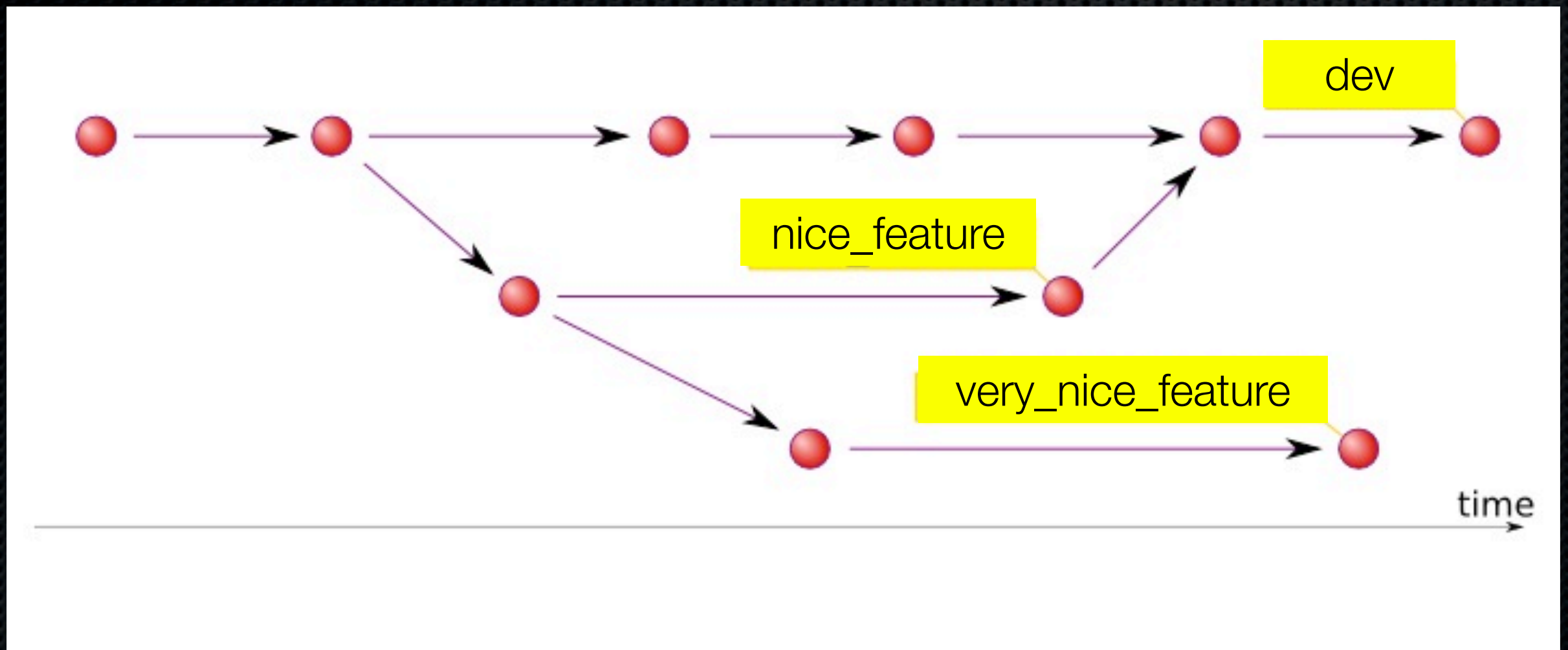
```
$ git commit -am  
    "I made changes."
```

Caveat: NEW files must still be added.

Branching

If it ain't broke, you
can still fix it





Branching

Work on a nice feature, and maybe even a VERY nice feature, while your main line is still good.

Checkout a new branch

```
$ git checkout -b  
    nice_feature
```


Edit the file.

```
$ vi myfile.txt
```


Commit the change

```
$ git commit -am  
    "This is nice."
```


Merge the nice_feature branch back into the dev branch

```
$ git checkout dev
```

```
$ git merge nice_feature  
--no-ff
```

```
$ git branch -d  
nice_feature
```

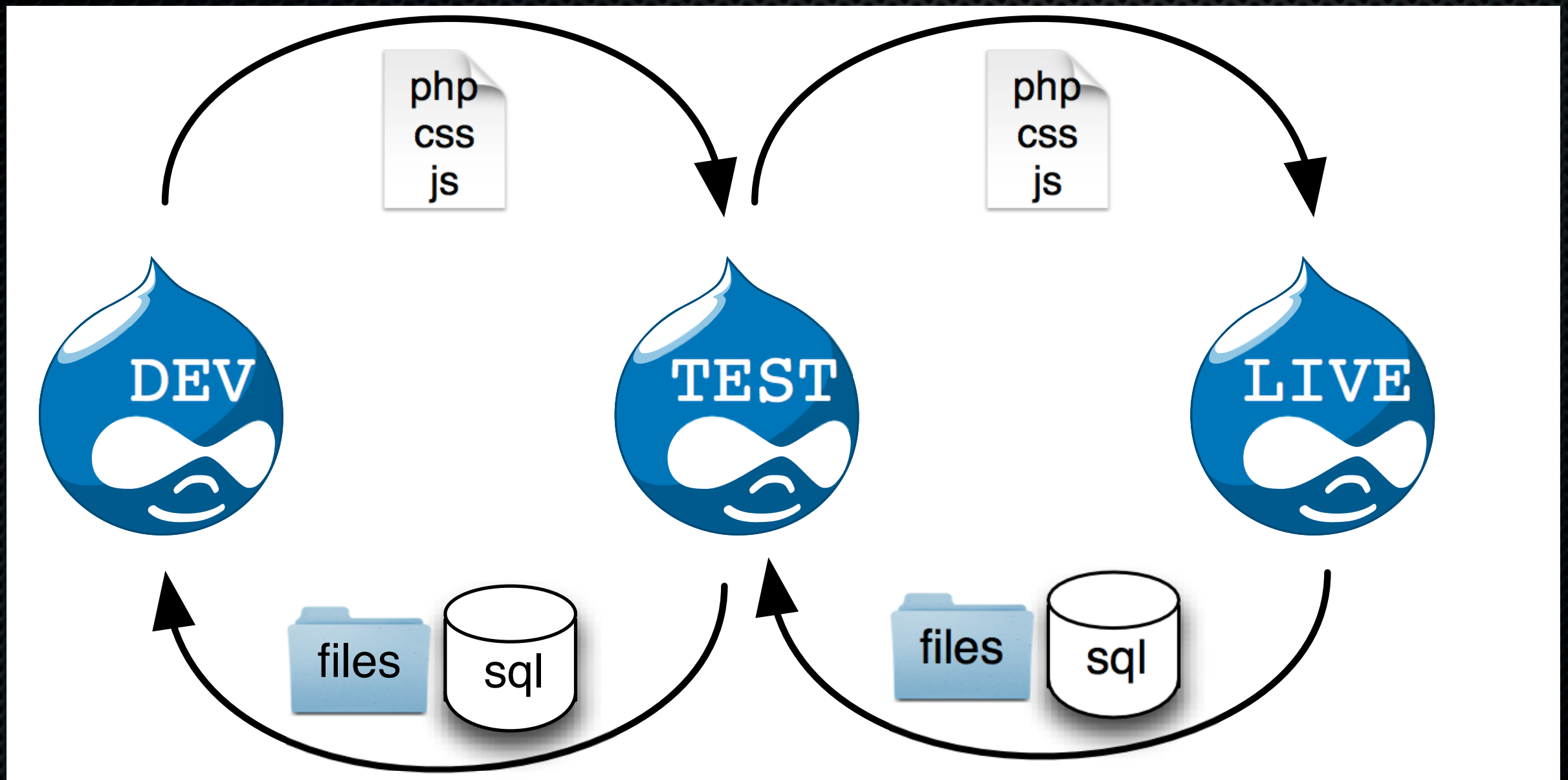

Subject	Author	Date
node_add_error Added a conditional to check for the nid in flag_friend_access_form_alter().	Shawn DeArmond	2011-04-14 16:04
1106880-machine_name Implement hook_formid_form_alter().	Shawn DeArmond	2011-04-14 15:55
Adds hook_form_alter() to disable machine name for friend flag.	Shawn DeArmond	2011-03-28 21:30
access_form access_form_object Works, but uses system variables.	Shawn DeArmond	2011-03-28 20:37
node/%node/edit form logic works now.	Shawn DeArmond	2011-03-27 21:37
Settings are saved on flag_form, but logic isn't quite right for the node/%node/edit form.	Shawn DeArmond	2011-03-27 21:22
Added form fields to flag_form.	Shawn DeArmond	2011-03-27 21:12
7.x-1.x origin/7.x-1.x 7.x-1.0-alpha5 Issue #1105682 by Shawn DeArmond and sirkittree: Place a Deny link next to the Approve link.	Jerad Bitner	2011-03-27 19:56
Issue #1099756 by Shawn DeArmond: creating tests	Jerad Bitner	2011-03-27 17:09
Issue 1105766 by Shawn DeArmond: Another unchecked \$_GET['destination']	Jerad Bitner	2011-03-27 16:14
1099756-create_tests Streamlined the tests by removing duplicates so it doesn't take so long to run.	Shawn DeArmond	2011-03-26 11:13
deny_link-tests Merge branch '1099756-create_tests' into deny_link-tests	Shawn DeArmond	2011-03-25 14:25
1105682-deny_link #1105682 by Shawn DeArmond: Fixed 'Deny' link should be on user page next to 'Approve'.	Shawn DeArmond	2011-03-25 14:24
1105766-destination Merge branch '1099756-create_tests' into 1105766-destination	Shawn DeArmond	2011-03-25 13:56
#1099756 by Shawn DeArmond: Added tests.	Shawn DeArmond	2011-03-25 13:38
#1105766 by Shawn DeArmond: Fixed Another unchecked ['destination'] in flag_friend_unfriend_form().	Shawn DeArmond	2011-03-25 13:54
7.x-1.0-alpha5 Issue #1099768 by Shawn DeArmond: destination might not always be available when rendering the message form.	Jerad Bitner	2011-03-25 13:11
Issue #1101496 by careernerd and Shawn DeArmond: multiple fixes for the views handler, status determination, permissions related to the...	Jerad Bitner	2011-03-25 13:03
1099768-no_destination Added logic to look for destination in flag_friend_unfriend_form().	Shawn DeArmond	2011-03-25 13:22
#1099768 by Shawn DeArmond: Fixed ['destination'] may not be set in flag_friend_message_form().	Shawn DeArmond	2011-03-20 23:15
multifix-tests Rewrote tests. Split out Views tests into a separate test.	Shawn DeArmond	2011-03-25 13:18
Added the .test file.	Shawn DeArmond	2011-03-25 11:19
1101496-multifix #1101496 by careernerd, Shawn DeArmond: Fixed Mutiple fixes in 7.x branch: Views handler_argument_numeric, flag_frien...	Shawn DeArmond	2011-03-25 10:59
tests Start adding tests.	Shawn DeArmond	2011-03-20 22:56
7.x-1.0-alpha4 Issue #1098778 by sirkittree: fixing friend status determination	Jerad Bitner	2011-03-20 18:26
removing old hook_user implementation	Jerad Bitner	2011-03-20 18:11
7.x-1.0-alpha3 Issue #1012296 by sirkittree: fixing add_where() to use add_where_expression() in views handler	Jerad Bitner	2011-03-18 13:21
7.x-1.0-alpha2 Issue #1006040 by Shawn DeArmond: fixing submission warning	Jerad Bitner	2011-03-18 08:05

SHA: 8609c5ecf9476359d4506ea491c7b0194c1a5dd4
Author: Shawn DeArmond <code@dearmond.net>
Date: Thu Apr 14 2011 16:04:04 GMT-0700 (PDT)
Subject: Added a conditional to check for the nid in flag_friend_access_form_alter().
Refs: node_add_error
Parent: 64edf2735e98acb6fa0e48086ff30a80ebfaa088

GUIs help too

See all commits and branches all at once

Development Workflow





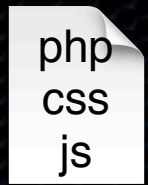
Drupal Code vs Data

Code

- ✦ **Drupal core**
- ✦ **Custom and contributed modules and themes**
- ✦ **3rd party libraries**
- ✦ **PHP, Javascript, css, and other such files**

Data

- ✦ **MySQL database**
 - ✦ **Nodes, users, taxonomy, settings, configuration specific to that site**
- ✦ **sites/xxxx/files folder**
 - ✦ **File uploads such as attachments and photos**



Code

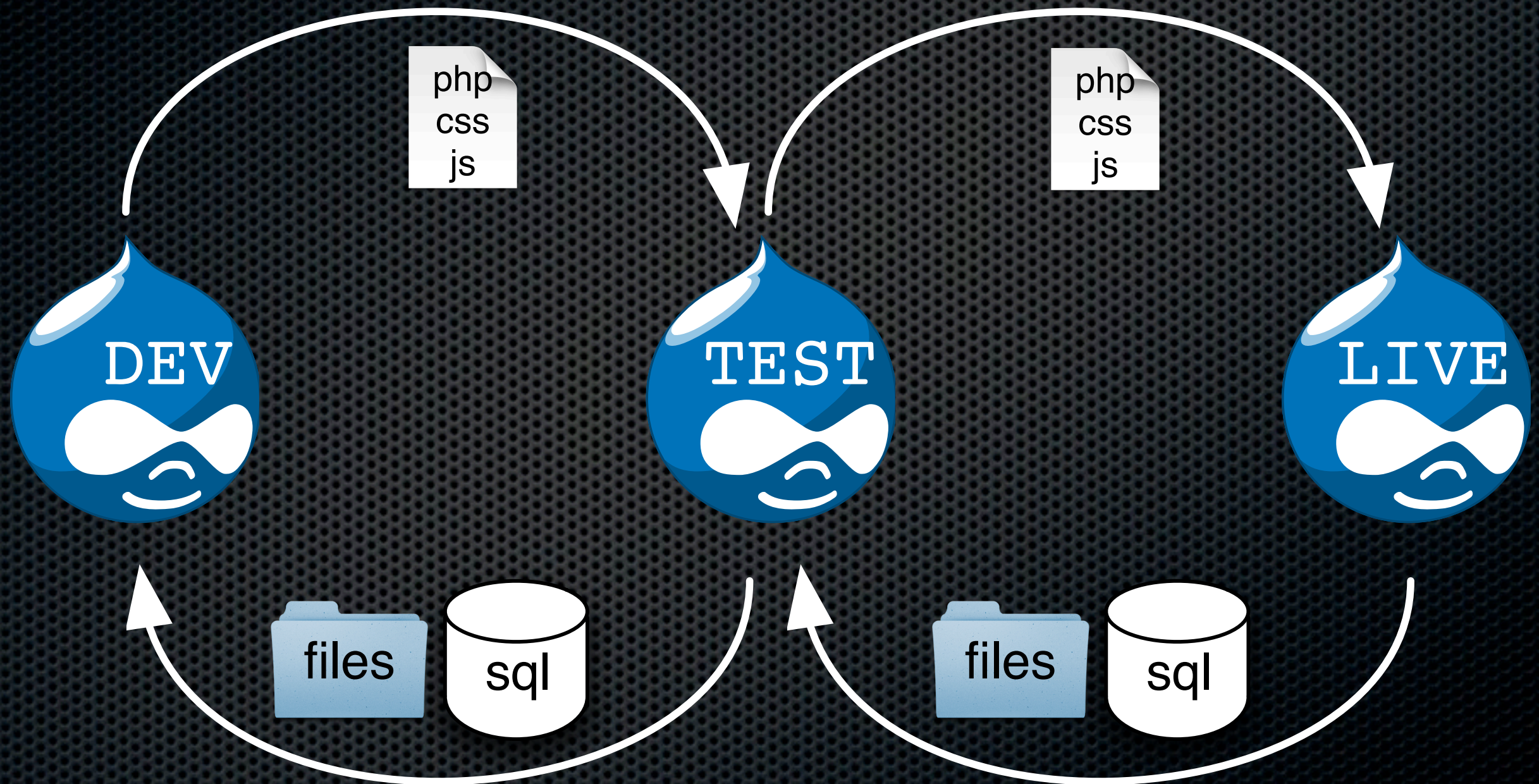
- ✧ **Moves upstream, from Dev to Test to Live**
- ✧ **Stored in version control**



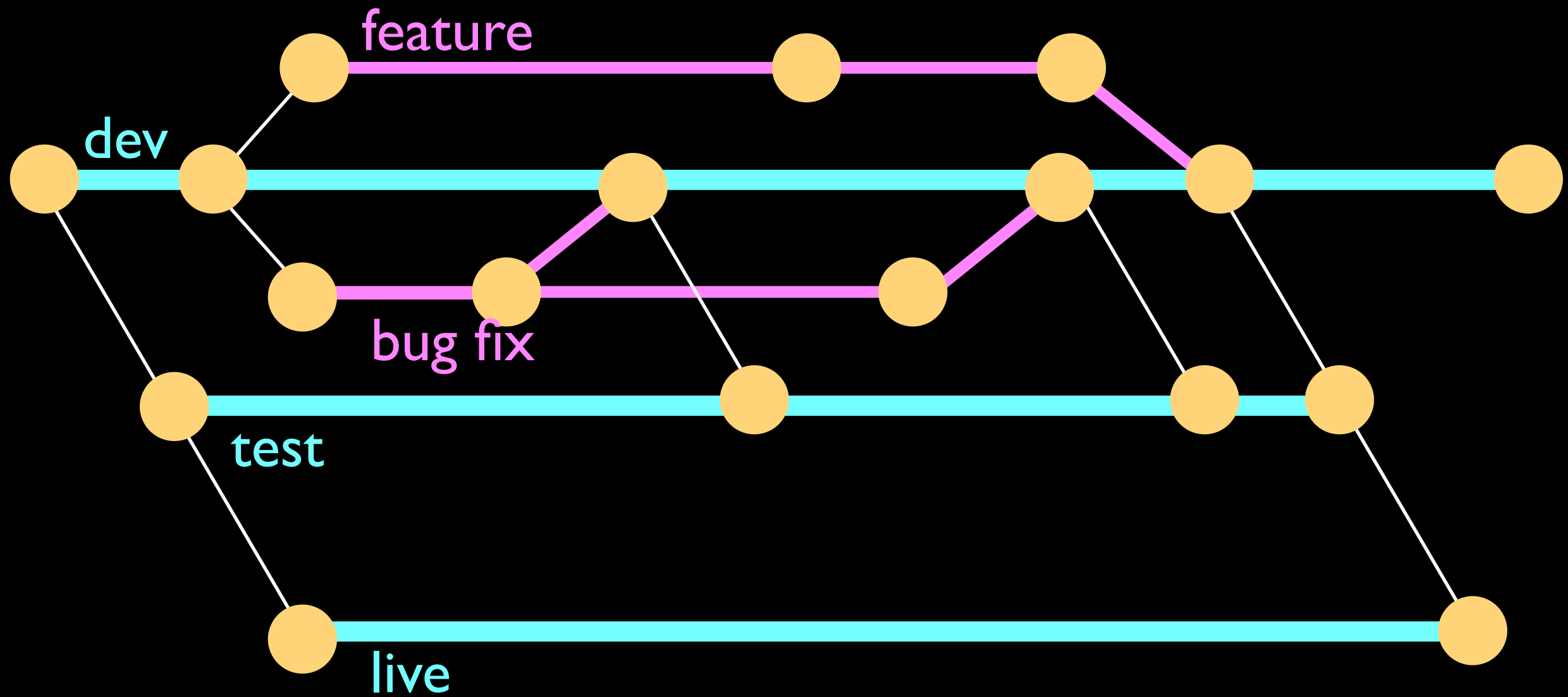
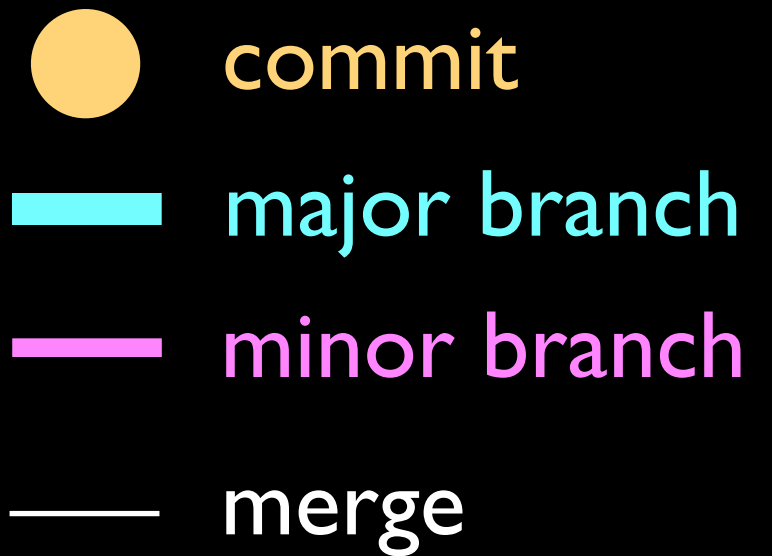
Data

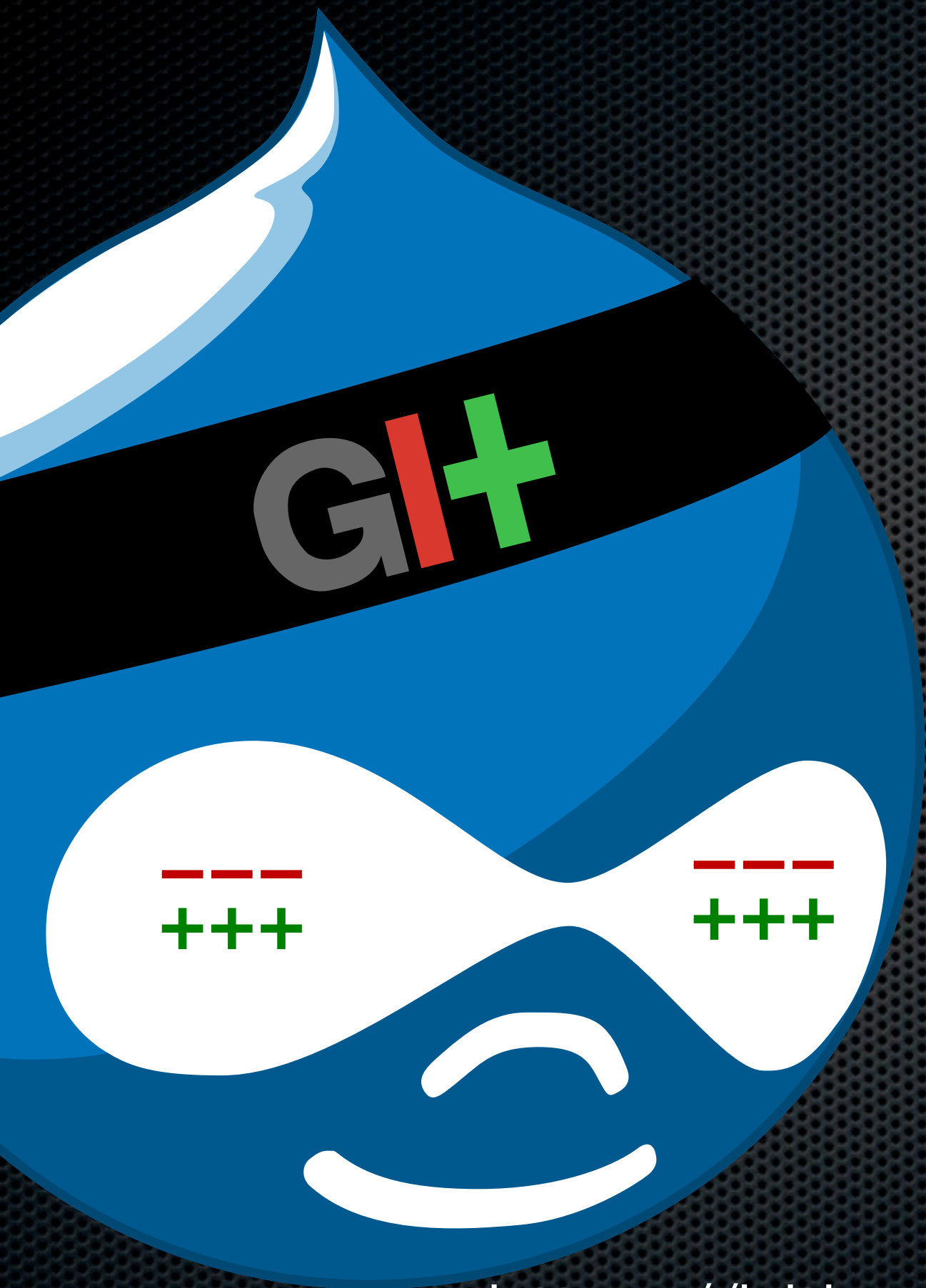
- ✧ **Moves downstream, from Live to Test to Dev.**
- ✧ **Never stored in version control**

Development Workflow



Git





Demo

Follow along:

https://bitbucket.org/dearmond/git_demo

.gitignore

```
# Ignore configuration files that may contain sensitive information.
```

```
sites/*/settings*.php
```

```
# Ignore paths that contain user-generated content.
```

```
sites/*/files
```

```
sites/*/private
```


patches.txt

Patches applied for this site:

CORE:

none

* * * * *

Features

Style sheets (stylesheets[...]) and Scripts (scripts[])
in .info file lost when recreating feature

<http://drupal.org/node/1335634#comment-6202028>