MINNESOTA USABILITY STUDY: WHAT DO USERS HAVE TO SAY ABOUT DRUPAL 7 ?

The Team



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What have we been up to?



Why usability?



<insert chuckle here>

Why usability?



- Makes it easier to use
- Participants represent "real" users, doing "real" tasks
- Observe, record and analyze what participants do and say
- Bringing Design, Technology and Psychology together

Why should we care about it?



It is important for ...

A more **usable** Drupal 8 Emerging Drupal YOU

Goals

- To validate solutions to previous issues
- To start early
- To validate if participants can use new features
- To discover and communicate major usability issues

Methodology and Demographics

- 8 participants
- May 17-18, 2011
- University of Minnesota
- 75 minute moderated sessions, \$45 compensation
- Think aloud protocol
- A help desk to call in

- Time to explore
- All sessions were recorded
- Site builders (Primary Persona)
- All but one with no experience in Drupal
- Recruited by University of Minnesota

Tasks

- 1. Create an "About Us" page accessible from the header navigation
- 2. Change the background from blue to a different color
- 3. Create a text block
- 4. Install a "Webform" module
- 5. Create a custom content type
- 6. Enable images on the new content type



Past Usability Studies

University of Minnesota | 2008



- Admin interface
- CCK
- Users/Permissions
- Taxonomy

University of Baltimore | 2009



- Content creation
- Taxonomy
- Search
- Menus

http://drupal.org/node/1162000

Create Content

Create content

Page

A *page* similar in form to a *story*, is a simple method for creating and displaying information that rarely changes, such as an "About us" section of a website. By default, a *page* entry does not allow visitor comments and is not featured on the site's initial home page.

Story

similar in form to a *page*, is ideal for creating and displaying content that informs or engages website visitors. Press releases, site announcements, and informal blog-like entries may all be created with a *story* entry. By default, a *story* entry is automatically featured on the site's initial home page, and provides the ability to post comments.

Create Content

Create Story									
Title: *									
→ Menu settings Body:									
Input format Revision information									
- D Comment settings									
- D Authoring information									
- > Publishing ontions									

Menu Horror



Admin/ Front-end Separation

localhost Welcome to your new Drupal website! а Please follow these steps to set up and start using your website: My account Create content Administer 1. Configure your website Log out Once logged in, visit the administration section, where you can customize and configure all aspects of your website. 2. Enable additional functionality Next, visit the module list and enable features which suit your specific needs. You can find additional modules in the Drupal modules download section. 3. Customize your website design To change the "look and feel" of your website, visit the themes section. You may choose from one of the included themes or download additional themes from the Drupal themes download section. 4. Start posting content Finally, you can create content for your website. This message will disappear once you have promoted a post to the front page. For more information, please refer to the help section, or the online Drupal handbooks. You may also post at the Drupal forum, or view the wide range of other support options available. 🔜 Drupal

Admin/ Front-end Separation

localhost							
	Home						
a • My account	Administer By task By module						
 Create content Administer 	Cron has not run. Please visit the status report for more information.						
Content management	Welcome to the administration section. Here you may contr	rol how your site functions.					
 Site building Site configuration 	Hide descriptions						
 Site configuration User management Reports 	Content management Manage your site's content.	Site building Control how your site looks and feels.					
 Help Log out 	Comments List and edit site comments and the comment moderation queue.	Blocks Configure what block content appears in your site's sidebars and other regions.					
	Content View, edit, and delete your site's content. Content types	Menus Control your site's navigation menu, primary links and secondary links. as well as rename and					
	Manage posts by content type, including default status, front page promotion, etc.	reorganize menu items. Modules Enable or disable add-on modules for your site.					
	Post settings Control posting behavior, such as teaser length, requiring previews before posting, and the number of posts on the front page.	Themes Change which theme your site uses or allows users to set.					
	RSS publishing Configure the number of items per feed and whether feeds should be titles/teasers/full-text.	Site configuration					
	Taxonomy Manage tagging, categorization, and classification of your content.	Adjust basic site configuration options. Actions Manage the actions defined for your site.					
		Administration theme					

"Node Orphanage"

localhost						
	Home					
a	A page without a menu link View Edit					
 My account Create content Administer 	Page A page without a menu link has been updated.					
 Log out 	OMG WTF BBQ. Where did my page go?					
	Drupat					

Fixes for Drupal 7



D7: Front-end changes

Dashboard Content Structure Add content Find content	Appearance	People Modules	Configuration	Reports	Help	Hello a	Log out Edit shorte	cuts
localhost								му
		ne to loc						
Navigatic n List links Add cont n Configure block	 Add new 	content has been	created yet.					

Powered by Drupal

D7: Back-end changes

f	Dashboard	Content	Structure	Appearance	People	Modules	Configuration	Reports	Help	Hello a	Log out	•
Add	content Fin	d content									Edit sho	rtcuts
		te Artic	721 - F								8	My a
Ho	m Title	*										
	Tags Enter		separated lis	st of words to	describe	o your conter	ıt.					
1		(Edit sum	ımary)]								
										<i>h</i>		
	• W • A	eb page add llowed HTM	L tags: <a> <	-mail addresses	<cite> <</cite>					formats 🕜 <dd></dd>		
	Imag	e										
	Cho	ose File) no	file selected	Upl	oad							
	Files r	must be les	e to go with ss than 32 M es: png gif j	AB.								
		iu settings in menu	5		P	rovide a me	nu link					
	Rev	ision infor	mation									

Positives



It's getting better

Adding Content

Content Structure Appea	arance People Modules Config	uration Reports Help	Hello admin Log out
Add content Find content Edit m	nenu Edit menu		Edit shortcuts
	My site		My account Log out
	Our Sponsor ABC is our premium sponsor for our event. They are a popular gaming company with lot-sa money. That's why theychose to sponsor this conferenc. Please check out their website: www.abc.com Navigation • About Us • Add content	Welcome to My site No front page content has been created yet. • Add new content	"Pretty Simple" "Straighforward" Easy-to-find "add content" All but 1 participant was able to create an About Us page without help. The exception? Users who tried to create menus first.

Basic Page vs. Article



Editing Colors



Editing Colors



Overlay + Toolbar

rd Conter	nt Structure App	earance People Modules	Configuration Reports	Help		Hello admin	Log out
Find conten	t Blocks				_		Edit sh
Conte	nt ⊝ 🦯 T	oolbar was fo	ound quick	dy.		My second Lice out CONTENT COMMENTS	
Home » /	Administration						⊗
+ A	dd content						
SHO	W ONLY ITEMS WH	IERE					
statu type			Filter				
UPD	ATE OPTIONS						
Publ	lish selected content	¢ Update					
	TITLE	ТҮРЕ	AUTHOR	STATUS	UPDATED	✓ OPERATIONS	
	kdjaoe	Announcements	admin	published	05/18/2011 - 15:48	edit delete	

All but 1 participant had a clear understanding of how to toggle between the overlay and site.

First Impressions



Issues



Terminology

Dashboard Content Structure	Appearance People Modules Configuration Reports Help	Hello admin Log out
My site		My account Log out
Q	Welcome to My site No front page content has been created yet.	
Navigation Add content	Add new content	

What is a module?

"A module is something on the home page that I click on"

"Ha ha ha ... I don't know!"

"I don't even know what that means"

Theme and region names were confusing





Users expected immediate visual feedback during their site building tasks

Gap between context (site) and admin



Where do these menu options go?

TITLE	OPERATI	ONS	
Main menu	list	X.	add
The wain menu is used on many sites to show the major sections of the site, often in a top navigation bar.	links		link
Management	list	edit	add
The <i>Management</i> menu contains links for administrative tasks.	links	menu	link
Navigation The <i>Navigation</i> menu contains links intended for site visitors. Links are added to the <i>Navigation</i> menu automatically by some modules.	X	X	add link
User menu	list	edit	add
The <i>User</i> menu contains links related to the user's account, as well as the 'Log out' link.	links	menu	link

Can I add blocks here?

♠ D	ashboard	Content	Structure	Appearance	People	Modules	Configuration	Reports	Help	He	lo admin	Log out	
Exit	block regic									My	account	Log out	
		Te	est site									Header	
	Home												
							-						
							Feature	ed					
	Home												
	Sidebar :	first		Highl	ighted					Sidebar second			
				Но	me								
				Help									
				Conte	ent								
Content preview

Preview OTact c

Home » Add content

The trimmed version of your post shows what your post looks like when promoted to the main page or when exported for syndication. You can insert the delimiter "<!--break-->" (without the quotes) to fine-tune where your post gets split.

Preview trimmed version

About us

This event will be awesome and will have a lot of great talks.

Read more

Preview full version

About us

This event will be awesome and will have a lot of great talks.

Title *

About us

Body (Edit summary)

This event will be awesome and will have a lot of great talks.

Blocks are "Content"



Users did not differentiate between content that is a page and content that is placed in a block



Users look for block settings in vertical tabs on pages

Menu settings Not in menu	Provide a menu link
Revision information No revision	
URL path settings No alias	
Comment settings Open	
Authoring information By admin on 2011–05–20 20:36:22 –0500	
Publishing options Published, Promoted to front page	

Adding modules to extend Drupal

We thought we were testing this...

Modules My Site Home » Administration » Modules You can find modules and themes on drupal.org. The following file extensions are supported: zip tar tgz gz bz2. Install from a URL For example: http://ftp.drupal.org/files/projects/name.tar.gz Or Upload a module or theme archive to install For example: name.tar.gz from your local computer

Install

...but discovered even deeper issues

- Consistent lack of realization that you can extend Drupal (both enabling core modules and downloading contrib)
- The process of finding a new module and adding it to the site is awkward.
- Drupal initially comes across as limited. We fail to inform new users about one of Drupal's biggest strengths.



Download & Extend

Download & Extend Home Drupal Core Modules Th	emes	Translations	Installation
7977 Modules match your search			
Modules categories: - Any - 📫			
Filter by compatibility: - Any - 🗘			
Status: Full projects			
Search Modules:			
Sort by: Most installed \$			
Search			

Contributed modules are add-ons for Drupal, allowing you to extend, build, and customize Drupal's core functionality. These modules are not part of the core files and may not have optimized code/functionality for your purposes. If there isn't a module to solve your needs, you can create one for the rest of the community to use, or consider joining forces and helping the maintainer. You can also view a full index of modules listing only their titles. See the handbook page for help on installing modules.

Views

Posted by merlinofchaos on November 25, 2005 at 4:34pm Last changed: 1 week 2 hours ago

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7958 Modules match your search		Most Installed	
		Views	
Nodules categories: - Any -		Content Construction Kit (CCK)	
Filter by compatibility: - Any -		Token	
Status: Full projects		Pathon	
Search Modules:		MoreMishingtalled	
		Nettodues	
Sort by: Most installed	P.	Comment Anonymizer	
Search		Context Metadata	
		Commerce platnosci.pl	
Contributed modules are add-ons for Drupal, allowing you to o Drupal's core functionality. These modules are not part of the		Workflow Submit	
optimized code/functionality for your purposes. If there isn't a	a module to solve your needs,	More New Modules	1
you can create one for the rest of the community to use, or heping the maintainer. You can also view a full index of mode)
the handbook page for help on installing modules.			
Views			
Posted by merlinoldhaos on November 25, 2005 at 8:34pm			
Last changed: 4 days 23 hours ago			
Drupal 7 note			
When installinn Views on Drunal 7, you absolutely must have	CTools of at least alpha4 and		2
🐌 Start 🖉 Modules drupal.org		- 20	1 141PM

Download & Extend

Download & Extend Home Drupal Core Modules Themes Translations Installation P

Webform

View Git instructions

Posted by quicksketch on April 26, 2004 at 8:54pm

Project Information

Maintenance status: Actively maintained Development status: Under active development Module categories: Evaluation/Rating, Statistics Reported installs: **118343** sites currently report using this module. View usage statistics. Last modified: May 18, 2011

Webform is the module for making surveys in Drupal. After a submission, users may be sent an e-mail "receipt" as well as



sending a notification to administrators. Results can be exported into Excel or other spreadsheet applications. Webform also provides some basic statistical review and has and extensive API for expanding its features.

Some good examples could be contests, personalized contact forms, or petitions. Each of these could have a customized form for end-users to fill out. If you need to build a lot of customized, one-off forms, Webform is a more suitable solution than creating content types and using CCK or Field module.

Explanation of Webform vs. CCK. Important issues on upgrading from Webform 2 to 3.



This page gives the essential Git commands for working with this project's source files.

|--|

Update Notice: See Git instructions updates for a record of updates to these instructions. Last updated: May 12, 2011

One-Time Only

Setting up repository for the first time

```
git clone --branch 7.x-3.9-hotfix http://git.drupal.org/project/webform.git cd webform
```

Not working for you? See Troubleshooting Git clone.

Routinely

The headings below are not sequential. What you choose to do depends on where you are in your process.

Checking your repository status

To see what you will commit by running git commit and what you could commit by running git add before running git commit.

git status

What am I supposed to download?

Downloads

Version	Downloads	Date	Links
7.x-3.11	tar.gz (114.52кв) zip (145.39кв)	2011-May-18	Notes
6.x-3.11	tar.gz (119.27 кв) zip (150.7 кв)	2011-May-18	Notes
View all releases	a)		

Summary

- Lots of Drupal terminology
- Fails to meet expectations of visually oriented users
- Difference between blocks and "content"
- Downloading and installing modules

All participants needed to call the helpdesk

After 75 minutes ...

"This was just hard. I struggled with it. I will have my sister help me" (P4)

"If you know what you are doing, it's okay. But for the first time user, it is a little shaky!" (P5)

"A little confusing at first... but I think you need to toy around with... get familiar with" (P6)

"Not as user friendly as I thought" (P7)







Next steps

- More usability studies
- Fix the problems that were found!

http://j.mp/jgpSHI or dharmesh.mistry@aquia.com

How can you help?

- Issue queue tag: "UMN 2011"
- Usability Group (http://groups.drupal.org/usability)
- Drupal Community Initiative on Usability (http://drupal.org/ community-initiatives/drupal-core/usability)

Thank you







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