OpenUXbuild Data-driven a	sproaches to the constructed user experience																
Stage: (Sandbox De Description: Your project of															_		
Date Status	Process	Master Notes	Project	Status	Date	Notes	Code	Example(s)									
CONFIG															+		
COMPLETE	URL	www.projectA.com	PROJECT A	COMPLETE	00/23/15	asdfasd asd asdfasd asdf asd ds as dfds faaasdfasd asdf as	d ds as dfds faaf asd ds a	s dfds faa									
BI PROGRESS BMESTIGATES		www.projectB.com													_		
1000			PROJECT C	IN PROGRESS	00/23/16	another version of this step can go here, blah blah											
			PROJECT D PROJECT E														
			PROJECT F		-										-		
	IP																
	Type Owner/Client														-		
	Purpose																
	Hosting Domain Reg. Location														-		
	Domain Reg. Time																
	Domain Reg. Method Domain Price																
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	ftp un (Dreamweaver, Filezilla)				_										_		
	ftp pw (Dreamweaver, Filezilla)																
EARLY PLANNING														_	_		
0/0/14	List project needs																
	List project goals and objectives Write Target Brand/Message				-									-	_		
	Write project description	100 word version			00.00		Andrew Co.										
				DI PROGRESS	00/23/16	asdfasd asd asdfasd asdf asd ds as dfds faaasdfasd asdf a another version of this step can go here, blah blah	<nm><nead></nead><!-- </nr--> <html><head></head></html></nm>	images here, urls, etc.									
			PROJECT D PROJECT C														
			PROJECT D														
			PROJECT D PROJECT E PROJECT F		-										-		
	Balanced Media Ecosystem																
	Identify target user(s) and groups																
	Identify target technologies (user technology requirement Identify techs to build project	s)															
	List market factors																
	Competetive matrix (as needed)																
	Cost benefit analysis (as needed) Team Roles Assigned																
	Source Code Management Project Documentation Management																
	Project Progress Management																
					-										-		
PRELIM TARGET RESEARCH																	
	Prelim budget model Proposed Production schedule														-		
	Benchmarking Analyze existing web analytics																
	Analyze existing usability data														_		
	Analyze existing usability data Stakeholder interview questions decided on Stakeholder interviews																
	Survey of Target User Groups																
	Focus Groups - (as needed)	to understand target user groups better, what they want, use, etc.[X]	hanically union	the meetings will	th what Sup a	nd finns want on this step.											
	Send out design doc draft to stakeholders	to understand ranger uses groups certain, while they main, use, etc.(x)	- basicary using	l lie metorga m	UI WIIIA OOE A	to retrie while the time stup.											
	Get feedback as needed				-							-			_		
	Start existing-content audit																
												_			_		
DE8IGN 0/0/14	Generate Creative Vision																
															_		
	ODEATE OTODUROADDO																
		for each target user group (as needed)															
	CREATE INFO ARCH Usability studies (as needed")	text outline of IA			-									_	_		
	Websort (cardsorting experiments) with user samples																
	get approved, feedback as needed[X] Tagging vocabulary written										1				_		
	CREATE WEB ARCHITECTURE [X] Template is comple Usability studies (as needed)	te															
	Get approved, feedback as needed																
	Mood board														_		
	Style Guide																
	u→																
	CREATE USER PERSONAS	(simple profiles) for each target user group[X]													_		
	CREATE USER FLOWS	(graphical, how each profile will work through the site architecture) for	each target use	er group (as need	led) [X]												
	CREATE WIREFRAMES	Can be based on existing Drupal theme to speed up development (Bo Pencil Paper	ootstrap)														
		Templates															
		Sofware															
	Desktop: 801w - 1620w (x 1024h)	Code (HTML CSS Builds)															
	suggestions from stakeholders (in email) implemented[X	(in paper ux wireframe or IA in des doc)															
	Tier 2 pages News all []																
	News all[] News single[] People all[]														_		
	Person single profile[]																
	Tablet				_										_		
	landscape (fits desktop) [] -portrait:																
	-portrait: -Phone[] Usability studies (as needed)				-						1						
	Create static visual designs & style guide Desktop				-						1						

IpenUXbuild	Data-driven ap	proaches to the constructed user experience																					
		velopment Staging Production)																		_			
labo	Status	Process Master Notes	Project	Status	Date	Notes	Code	Example(s)															
		Tablet Phone		_	_			_							_					-			
		USABILITY STUDIES ON DESIGN IDEAS (as needed)																					
		Usability studies report created																					
		Get feedback as needed																					
OCAL DEVELO	PMENT																						
/0/14		Create html & css versions (as needed) Get approved, feedback (as needed)		_	_															_			
		Setup Drupal site																					
		Setup Drupai site																					
																				-			
		New Drupal install																					
		build in with multisite as needed Document new process of using Drush to update new Drupal 7 core and modules																					
		Get set up and use source code versioning (Git, Github, Bitbucket, etc.)																					
		Workflow with developers (as needed)																					
				_	_			_				_			_					-	-		
COULES (Max	ter 'lilust have	Drupel Module Liel)																					
/0/14		http://simplytest.me/ Evaluate Drupal projects online Drupal Core (latest) – Includes: Bartik, Block, Blog, Book, Color, Comment, Contact, Content translation,	Contextual links, Dashboard, D	atabase logging, Fi	eld, Field SQL	storage, Field UI, File, Filter, Forum, Help, Image, List, Locale,	Menu, Node, Number, Op	ptions, Overlay, Path, Po	II, RDF, Search, Se	even, Statistics, S	yslog, System, Taxonomy, Text, Traci	ker, Update manage	er, User (Drupal core)										
		Administration menu (module) 7.x-3.0-rc4 — Includes: Administration Development tools, Administration in Chaos tool suite (clools) 7.x-1.4 — Includes: Chaos tools (required to build views)	enu (Better admin menu)																	_			
		Views (module) 7 x-3.8 Includes: Views, Views UI (customizing pages, blocks)																					
		CKEditor (module) - WYSIWYG HTML editor 7.x-1.14 – Includes: CKEditor (the best wysiwyg, at least for CKFinder - adds file browser and html5 dragndrop file adds to ckeditor wysiwyg (see my notes for install)			-																		
		Query Update (module) 7 x -2.4 - Includes: jQuery Update ("should suffice for Media Barn's navigation Ji	will follow up with Andy, et al)																				
		Panels (module) Drupal's block system can be really cumbersome to work on, as your site gets more a	d more complex. You may war	nt fine grain control	over the way y	our page is displayed if not now, then may be later. Panels is a	i n alternative to Drupal's d	default block system.												_			
		Calendars (if needed) - Calendar (module) Directory -				-														_			
		People profiles - custom View																					
		People groups - "Faculty & Staff" page - custom View displaying site members Offices (same as people groups?) - custom View displaying site members			_															_	-		
		Research institutes & labs (same as people groups?) - custom View displaying site members																					
		Events, landing and dump - custom View Signup (module) - users sign up, get auto reminder day prior, etc.			-										_					_			
		News, landing and dump - custom View																					
		String Overrides (module) - allows for easy editing of default Drupal messaging on various functionalities Location (module), GMAP (module) - maybe do some cool things with site user, research projects, by plor	ing on a map to display	_	-										+					_	\vdash		-
		Site Access Module (module) Content people, managers, etc. allows for powerful custom workflow who	can view what																				
		Webform (module) — adds a webform as a nodetype which allows you to offer register forms, surveys, po Advanced Forum (module) — adds more robust functions for drupal core forums																		_			
		Nodewords (module) – Nodewords is great for SEO because it allows you to set meta tags for each drup. (Alt.) Metatag (module) allows one to have complete control over the characteristics of a page. For example,	page or node. This gives you	awesome control o	ver what keyw	ands and descriptions are used on each page of your site, and it	fused correctly can really	y help your rankings. It h	elps out with SEO a	and keeps google'	's attention by constantly updating con	tent with new keywo	ords.	and contact Count contacts	E - 1		and a college of the College	. hi abb aft. ab					
		Token - Metatag requires Token (module)													IC Is a music nave i	I IIIOSI WEUSINES A	io williout tris, it	s regrey createry	mar you get so				
		XML Sitemap (module) Google's webmaster guidelines say that you should create an XML sitemap and Pathauto (module) By default, any content at Drupal is given URLs like these: yoursite.com/node/1231	submit it regularly to Google for 3. These LIRI's are neither his	or the proper indexis	ng of your page such ennine frie	. The XML sitemap module combines it with cron job and regul nets. Pathauth allows one to specify alternative LIRI s to pages	arly updates your sitemap These LIRLs can be ner	p and submits it to searc negated based on a need	h engines. You can et nattern using Tok	decide what sho	uld be there in the sitemap and what s e edited at a ner node basis at the cou	should not be. Addin	ig parameters such as prio So you can easily renlace	ty is just a breez lefault LIRI s of your sites with w	ursite com/title.of.a	our content. This is	a must do from	IFO point of view	y as human friendly LIRI s are on	e among the stan	dard SEO grantin		
		Scheduler (module) The Scheduler Module allows you to create a piece of content and choose a day to	it to become public, instead of	having to go back	in yourself and	set it to public on the day it needs to go live.													l'				
		Superfish (module) - creates jQuery dropdown menus Devel (module) - good for development		_	_															_			
		LoginToboggan (module) user management/login Node Privacy By Role (module) Manage which roles can view, edit, and/or delete nodes by content type (_			
		recode Privacy by Pode (module) manage which lotes can view, edit, and/or delete ribdes by content type	relacit) or on a per-noce clasis	(overnoing details	on each node																		
		Basic Security Moltom (module) 7.x-2.10 Includes: Moltom (web form security, the best there is for Drupal)																					
		Security Review (m)																					
		Automated Logout (m) Session Limit (m)																					
		Username Enumeration Prevention (m)																					
		Secure Login (m) Password Policy (m)																					
		Login Security (m) Input Filters (core) (m)																					
		Security Kit (m)																					
		Content Security Policy (m) HTML Purifier (m)																					
		Captcha (m)																					
		Mother May I (module) - adds secret word that only humans can solve to allow form submission. HoneyPot (m)																					
		Corporate Audit Security (additional)																		_			
		Coder (m)																					
		Generate Password (m) Logging and Alerts (m)		_	_							_			_					-	-		
		MD5 Check (m)																				=	
		Password Policy (m) Flood Control (m)																					
		PCI Update (m) Hacked (m)																		_	-		
		Login Security (m)																					
		*Paranoia Identifies PHP vulnerabilities. *Disable when not	n use		_										+					_	\vdash		
		SEO Checklist (m) -																					
		User analytics, Google, OWA (m) -																					
		Homebox (m) or Workbench (m) for admins, CP - Features (m) - duplicate setups multiple sites			-															_	-		
		Heatures (m) - duplicate setups multiple sites Mass Contact Send emails to users, Roles																					
																				_			
unimo																				_		=	
- manufed		(This process started with existing Drupal docs https://www.drupal.org/node/313510 and I am improving o	it in this documentation. Anot	her good reference	http://neemtre	e.com.au/drupal-theming-designers)																	
/0/14		"IST 2015" - Creating a Custom Drupal Theme (ist.psu.edu in this case study)		_	-										_					_	-		
014		I. Initial Site Build Step																		_		=	
		Build out a full HTML, CSS, Js version of the site (referred to hereafter as the "html site"). Get this up and Make a backup or two of the html site for safe keeping.																		\perp	=		
		Install and get running a plain vanilla latest Drupal instance with basic theme running in development envi	onment. (istdrupeldev ist psu e	idu)	ama of :	u custom theme														_			
		Create a new custom theme folder in the Drupal site file system at isites/all/themes/new_theme_name an Copy the html site's index html (or index.php, etc.) file into the new Drupal theme folder and rename it page.	a.tpl.php.		and or your ne	re Common d'RETTRE.																	
		The page tol php file starts after the <body> tag and ends before the <body> tag, so you do not need to v Delete these lines of code from the page tol php to clean out some unneeded, redundant code.</body></body>		r head tags.																	-		
		This is the recommended way to start your page, rather than just using html>.																					
		Copy the html.tpl.php file from your Drupal modules/system folder to your new custom theme folder and in CSS — Copy your css directory into the new Drupal theme in same directory as page.tpl.php and html.tpl	ake whatever changes you'd li	ke.	_																-		
		Add your stylesheet link tags to the html.tpl.php file in the <head> section, path is relative to the site root.</head>																					
		Example: <ink href="isites/all/themes/blue_whale/css/theme.css" rel="stylesheet"> Js — Copy your Js folder and files into the new Drupal theme in same directory as page.tpl.php and html.</ink>	pl.php.		_										_						\vdash		
		In html.tpl.php make sure your Js paths are relative to the site root.																					
								-												-			
		Example: <script src="sitestall/themes/blue_whale/sivendor/jquery.1.11.1.js"></script> The Js should be working on the Drupal site because you had it working right in the html site. Double che	k your file paths if needed. — !	Something to look a	t might be putt	ng Js into \$page_bottom for faster load times and to get it out o																	-
		The Js should be working on the Drupal site because you had it working right in the himl site. Double che jQuery — same as Js.		Something to look a	t might be putt	ng Js into Spage_bottom for faster load times and to get it out	or page tpi prip.													=			
		The Js should be working on the Drupal site because you had it working right in the himi site. Double che Josety - same as Js. trages — Copy your img folder and files into the new Drupal theme in same directory as page tol php an Make sure your img paths are relative to the site root.		Something to look a	t might be puti	ng Ja into Spage_bottom for faster load smes and to get it out o	ot page tpr.pnp.																
		The Jas Should be working on the Drupal site because you had it working right in the himl site. Double che Joseph — same as Jas. Images — Copy your ling folder and files into the new Drupal theme in same directory as page tal pitp an Make sure your ling paths are relative to the site toot. Is example: "right privibles latifications that, what him pitp -carousel 1.jpg" allow—>	html.tpl.php.	Something to look a	t might be puts	Ja into \$page_bottom for faster load times and to get it out o	s page spi prip.																
		The as tracked be enviring on the Dopas data because you had a working right in the first list. Double of the Doubley—same as a set, images—Explay your mind before and this is not be now Double theme in same directory as pages but pith an Makes zervy your may paths are installed to the set also not. The data zervy your first lister and fits a size of the pass o	html.tpl.php.																				
		The Ja struct be working on the Diopal side because you had a working right in the first labs. Double on the Joseph search only the property of the first labs. Double of the Joseph search only your implication and fills into the new Double theme in same directory as page tap thip an Alles acrey your implication and resident to the side not. Example: - ring servitable/althomeshible, whatelimplip-caround-1.pg/ althomic fills—copy you contain the property of	html.tpl.php.					owing code:															

OpenUXbuild Data-driver																							
	n approaches to the constructed user experience Development Staning Production)		-	-				_				_											
	ct description here.																						
oto Status	Process Mester Notes	Project	Status	Date	Notes	Code	Example(s)																
	package = Core	-	-				_	_									_						
	core = 7.x																						
	stylesheets[all[] = styles.css																						
	regions(page_top) = Page top regions(header) = Header	-	_				-	-				_			-		-			-			
	regions(highlight) = Highlight																						
	regions(help) = Help																						
	regions(content) = Content	-	_				_					_					_						
	regions(sidebar_second) = Second sidebar																						
	regions(footer) = Footer																						
	regions[page_bottom] = Page bottom The page_top and page_bottom regions are required by the default html.tpl.php, so leave them in there. The "regions" portion	n offer chile con in	whytee all of Day	solo fetsodos	President and it recommended to that you can easily remove	n recione was don't want	to use or add outloom m	nione if you won!	to add ourton real	ione was must s	nonvally include any of the def	foult open you wish to	kana or wall or the	defaulte will die sone	or from your them	n (nimely convinceto then	from this page or an	other theme). If u	ou want to add a	urtom ronino, sin	malu conu ono o	The major lines and rename 2	
V0/14	Create a custom screenshot thumbnail graphic for the theme. This will show up in the Admin menu when selecting a theme for	or your site.			, , , , , , , , , , , , , , , , , , , ,			, , , , , , , , , , , , , , , , , , , ,							,	(0.00)					,,,,		
	Make it 294 x 219 px																						
	name it screenshot prig You should now be able to go into your working Drupal site, install and enable as default the new custom theme. The Drupal	site will now he a	working Dougal	ite that looks	warth like the starter html theme. http://skfn.inalriev.ist.nsu.e	du	_					_				_	_						
	Some tweaks may be needed for things like css, javascript, fonts, and images. For more on these areas, revisit the respective	e steps above. It i	is helpful to have	a browser wir	dow up with the html site running to make sure you have all p	arts in place and showing	g up/functioning in the ne	w Drupal site. Usi	ing Firebug to find	missing items is	very helpful at this stage.												
	NOTE: at this stage you will need to add the sidebar php hooks into your page tpl.php so that when the custom theme is enal	bled, you can log	in and out. Witho	ut these hook	s in place you will lock yourself out of your new site. See next	steps for more.																	
/0/14	The login block can be moved from sidebar_first or other blocks via the block manager The block won't show up if you're logged in :		-	-			_					_					_						
/0/14	Issues to watch for —																						
0/14	z-index conflicts — The HTML site uses very high z-index settings for top log, navigation, etc. These conflict and overwrite the	e Drupal overlay	admin panels in a	Drupal envir	nment.																		
0/14	Fix 1: Turn off overlay (module) for admin screens Fix 2: delete the z-index for these areas in cssStill seems buggy, I am thinking this is caused by many other z-index settings to	that are causing o	onflicts: contacts	d Andy to see	if he's see it hefore		-					_					_						
	.branding .psu-shield on line 5523 in theme.css			,																			
	.mainnav-container																						
0/14	.topnav .nav .topnav-link on line 5667 Issue to resolve, in Status Report ???		-	-								_					_						
	II because Description of the Post of the Post of The																						
/0/14	II. Integrate Dynamic (Drupal) Content and the "Static" Theme	-	_	-			-	_				_			-		-			-			
V0/14	Some questions to anxieur to progress the "User Content Admin" role and eatinfy their requirements for using the eite to man Role for content providers-managers: "User Content Admin"A: Created new content provider role.	ago the alla.															_						
	This is highest content manager-type role, can admin Users and Content																						
	Role for content providers-managers: "Content Provider"A: Created new content provider role.																						
	This is lowest content manager-type role, can admin Content only	_	-	-								_								-			
	Created in istdrupaldev.ist.psu.edu: un: greg_CP, pw: xxx: Created test user.																						
	How does CP log in?/What does it look like?A: Login at bottom of home screen																						
	What do they see on login?A: The Admin menu with only the functionality available that the CP role is allowed to have. Admin menu for CP?A: Yes, limited. See #4.																						
	Create some content in the Drupal site. You will need some content here to pull into the new theme.																						
	It's a good idea to create a navigation that matches the html theme.																						
	It's also a good idea to match the content that is in the html theme. How do they CRUD:	_	_	-								_											
	New page?A: Through the limited admin menu at top.																						
	New article?A: Through the limited admin menu at top.																						
	New news?A: Through the limited admin menu at top. Other users?A: Through the limited admin menu at top. UCAs cannot admin Roles. only Admins can.		_	-								_								_			
	News on slider?A:																						
	How do they log out?A: Logout link in admin menu.																						
				-			-					_					_						
V0/14	A. Sidebar(s) Content Follow these steps to add the first areas of dynamic content to the new custom theme index screen. NOTE: All of the php coc.																						
	Follow these steps to add the first areas of dynamic content to the new custom theme index screen. NOTE: All of the prip coo	se for the remains	per of this futorial	goes into pag	a.tps.pmp.			_				_					_			_			
V0/14	Adding sidebars content — Most websites have a left and/or right column next to the "main" larger content area. These side by	ers usually conta	ain various featur	es and inform	tion (for instance a log-in form, navigation, recent comments,	etc).																	
	In Drupal these features/information are called "Blocks", and you can customize where they show up on your page by going to In order for Drupal to know where to put the Blocks though, you need to add some "placeholders" to your theme (Drupal calls	to Administer > Si	te building > Bloo	ks (adminibu	diblock).															-			
	There are more of these placeholders available (and you can create your own custom ones too) but it's important to add the s	side bar one(s) at	first, since the a	tmin menu ap	pears in them.																		
	Add the below Region(s) to your side bar —																						
	<pre><?ptp print render (\$page[sidebar_first]); ?>andlor</pre> <pre><?ptp print render (\$page[sidebar_second]); ?></pre>		-	-													_						
	And heart course (Abrilla Course IV.)																						
/0/14	B. Menu System and Navigation	-	_	_																			
	Follow these steps to add the dynamic menu system including navigation.																						
	[This is probably Drupal 6 →] Drupal's default menu for your site's content is called Primary Links. There is also a Secondar	ry Links menu wh	ich can show rel	ated sub-page	s under the Primary menu. When stripped of all images and st	tyles, a menu in Drupal is	s nothing more than a ne	sted unordered list	t, in plain HTML, w	ith links for eacl	h list item. You can use CSS to	o style a menu in any v	way you want; char	iging how it looks, wh	nether it is horizon	al (like tabs) or vertical, e	0			_			
	To make the Primary and Secondary Links menus appear on your site, paste the following into either the top area of your the	me (for instance,	if your menu is g	oing to be sty	ed as tabs or buttons), or in the sidebar area (for instance if yo	ou plan to have your mer	nu show vertically in the s	sidebar).															
	Simple way: Here's the simple version to use, if you're already sure you want to use "both" Primary and Secondary Links (or	reel tree to delete	the Secondary L	inks portion if	you don't need it):							_											
	<div id="primary"></div>																						
	<pre><?ptp print theme(links', Sprimary_inks); ?> <!--div--> <!--- /#primary--></pre>																						
	<div id="secondary"></div>																						
	php print theme('links', Ssecondary_links); ?																						
	<ld>< <- /itsecondary -></ld>	-	-	-			-	+				_		-		_							
	More flexible way: If you're not sure that you will have both Primary and Secondary Links, you could use the following code in	stead (it's the sar	me, but just does	a "check" to s	ee if the menus are enabled, and only shows them if they are	1							H 7				1						
	php if (\$primary_links): ?																						
	<div id="primary"></div>																						
	<pre></pre> <pre><</pre>	-	_					-				_					-						
	<pre><?ohp endit ?></pre>																						
	php if (Seecondary_links): ? <div id="secondary"></div>							_															
	<pre><div id="secondary"> </div></pre>		1					1				_								-			
	<idiv> <- /#secondary -></idiv>																_						
	<di><di><d- -="" ibacondary=""></d-></di></di>		_	_																			
	driv <- /risecondary - php endit ?																						
	<idiv> <- /#secondary -></idiv>																						
	risker < .f. mecondary -> - <pre>- <pre>- <pre>- <pre>- <pre>- <pre>- </pre> For Drupal 7: Primary and secondary finis are now "main" and "secondary" menu.</pre></pre></pre></pre></pre>																						
	<pre></pre> <pre> <pre></pre> <p< th=""><th>r)); ?><?php } ?></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></p<></pre>	r)); ?> php } ?																					
	- 1400 or - Miscondary ("Pilip and IT.") - Fib Dayal 7. Primary and secondary links are non-"main" and "secondary" minu din 46"-filmatin" - din 46"-filmatin" - ("Pilip or (secondary, menu, array ("Secondary, menu, array ("Seas" or Seas", 15" or Sucknowled - ("Pilip or (seas(Secondary, menu,)) ("Pilip ("Pilip or the Temper(Texa", Secondary, menu, array ("Seas" or Seas", 15" or Sucknowled	(1); ?> php } ?																					
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	- 1400 or - Miscondary ("Pilip and IT.") - Fib Dayal 7. Primary and secondary links are non-"main" and "secondary" minu din 46"-filmatin" - din 46"-filmatin" - ("Pilip or (secondary, menu, array ("Secondary, menu, array ("Seas" or Seas", 15" or Sucknowled - ("Pilip or (seas(Secondary, menu,)) ("Pilip ("Pilip or the Temper(Texa", Secondary, menu, array ("Seas" or Seas", 15" or Sucknowled	7)); ?> php } ?																					
	- clab or - diseaschary																						
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	- clab or - diseaschary		Jearfix'))));																				
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	Indigo of - Recordary - a - ("Pipp and IT > "Pipp a		dearts')));																				
			-loarfix')));																				
	Indicated the American American Section (1994) and 1994 a		-Searths'))));																				
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014	Indicated the American American Section (1994) and 1994 a		Josefis')));																				
014	digit or - (Recording ->		Searfur())) :																				
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1014	Indicated the American Conference of the Confere		Joseffer)))):																				

OpenUXbuild Da	ı-driven app	oaches to the constructed user experience																	
Stage: (Sa		lopment Staging Production)																	
Description: You	project des	roption here. Process Master Notes	Durious	Contro	Date	Notes	0.4.	Funmala (a)											
0/0/14	_	t- (START) GTO1 Adding dynamic main menu>		Dania	Date	No. No. No.	COUL	Example(a)											
		div class="mainnav-container navbar hidden-xs" role="navigation" data-spy="affix" data-offset-top="130" data-offset-bottom="	200">																
		ctiv class="container">										_					_		
		of class="nav-drupal">																	
		?php print render (\$page[header]); ?>																	
		Idio «idio															_		
		idvo																	
		1– (END) GTO1 Adding dynamic main menu>																	
																		_	
0/0/14		2. Main Content																	
uuri4		Collow these steps to add the main content of the page.																	
		It this point, you've added the "framework" of your site's layout which surrounds every page, and is generally similar or the sam	ne throughout the	e entire site. Nov	though, it's t	ne to include the area where actual Content will be displayed	in the template (different	content depending on th	e page being view	ved, of course).									
0/0/14		simply locate the spot in your template where the main content is to be displayed (usually the center of the page, after the head	fer and hetween	any sidehars) a	nd naste the	elow code in that snot (if you'd like to re-order things feel free	e hut otherwise you can s	imply paste this assis):									_	_	
				,		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, ,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,											
		7php if (Sbreadcrumb Stitle Smessages Stabs Saction_links): ?>																	
		idiv id="content-header">																	
		7php print Sbreadcrumb; ?>																	
		-?php if (\$page[hightight]); ?> div id="hightight"> php print render(\$page[hightight]) ? <div></div>			_												_	_	
		?php endit; ?>																	
		?php if (\$title): ?>																	
		th1 class="186"> ptp print \$88e; ? <th1> :?ptp endit; ?></th1>																-	
		?php print \$messages; ?>																	
		-?php print render(\$page(*help*)); ?> -?php if (\$taba); ?>																	
		div class="tabs"> php print render(\$tabs); ? div																	
		?php endit; ?>																	
-		r?php if (Saction_links): ?> sul class="action-links"> php print render(Saction_links); ?										_						_	
		?php endit; ?>																	
		Idiv> /#content-header																	
		r?php endit; ?> div id="content-area">										_					_	_	
		?php print render(\$page['content']) ?>																	
		idiv																	
0/0/14		Footer and Footer Message Follow these stees to add the footer and it's content.																1	
		foliow these steps to add the footer and it's content. Anage what goes into the Drupal Footer in the Blocks manager															_	_	
		Then put in page.tpl.php php print render(\$page[flooter']); ?																	
0/0/14		Final-lag-at the bottom of your theme																	
0014		colour these steps to add the closing tags:																	
		easte the following at the end of your page tol ship file. You must have this tag at the bottom, which will dynamically include any	y scripts that nee	ed to appear at th	e bottom of th	page, as well as close up any loose ends and lags that mig	ht-have-been left-open-												
		?php print \$closure; ?>																	
		Rody-																	
		itais																_	
0/0/14		II. Integrate the Interior Themed Pages																	
		kid the second tier html template.										_							
0/0/14		Fier 2 html template into theme ?(Changed the index to the inderior as main Drupal theme)																	
																		_	
0/0/14		Changed the index to the inderior as main Drupal theme																	
		Top Nav is appearing and reappearing on scroll down, I will disable this Had to change back all the z-indexes to keep the main	nav sticky at top	and on top zinds	ox.							_					_		
0/0/14		Progress report on development for meeting. Proposed progress weeks of																_	
		Theme Build																	
		Basic Page																	
0/0/14		Visites Sasic Functionality: Admin, Users, Anonymous																	
0/0/14		Dynamic Menus																	
0/0/14		 Andy and Noah, As discussed added some Basic Page started content to istdrupaldev.ist.psu.edu to populate the Main Menu and the menu that is at the 	uppy top of the th	hama which I con	ated and calls	Too Naviotios More													
		Then I added the Drupal Regions to page tpl.php so these two Drupal menus would display in the theme just above the static h	tmi/css menus w	which you can see	e (expanded t	e menus currently overlap).													
		haven't done anything yet with the side javascript menu. I figured we can tackle that after the first two are working.																	
		Orupal Main Nav (1) styled so it's dynamic, delete static menu code. Aain Menu, (Andy) as a way to extract only the raw data from a drupal menu system and use our template html code https://ww	w drunal orn/no	vle/1033442#ror	nment-50789	2	then restyled the Drunal of	nutruit from the Drunal m	enus all in theme	ree							_	_	
		is needed: help from:				Ů.													
		Media Barn Drupal Developer Devel Settings > Uncheck "Rebuild the theme registry on every page load" http://istdrupaldev.ist.psu.edu/?q=admin/configideve	alonmont/deve*										1						
		Secondary (Top Navigation Menu) nav 2 styled so it's dynamic, delete static menu code	sopii ei ouevei																
		Fertiary (Side Navigation Menu) nav 3 styled so it's dynamic, delete static menu code																	
0/0/14		nstall and get running with Andy's new css and js code (see his email 9/17/14) Aske new css and Js responsive menus										_						1	
0/0/14		Set search working https://git.psu.edu/ema13/psu-drupal-search-block/tree/psu_search-7.20-dev																	
		opy in new theme.css as needed		-								_						-	
		opy in new main js from as needed nake code changes in header php as needed																	
0/0/14		pdate theme.css to fit Top Nav at top		_															
		Block-menu-trop-navigation-menu .content .menu { vidth: 100%;																	
		nargin-top: Opx;																	
		nargin-bottom: Opx; st-style: none;		-								_			-			-	
		osition: absolute;																	
		op: -170px; —— changed from 20px;											-						
		ext-align: right;)										_						-	
0/0/14		ndex Screen ("home page")																	
		Dreate the index page from template and then force the Drupal home page in admin option News items into slider																	
		Content selections into graphical teaser boxes																	
		news Innouncements																	
-		innouncements vents														-		_	
0/0/14		readcrumbs??																	
0/0/14		Jser profiles (self edit)																	
0/0/14		Sisplay Directories, Groups, Users																	
0/0/14		Abbile Icons																	
		phone																	
		Indroid[]																	
_		Vindows Phone()										_				-	_	_	
0/0/14		Existing Themes Installed		-										_				-	
0014		suild out main sections with manually migrated content																	
		Astch styles and UI to plans																	
-		Sub theme or custom.css file for css customization		-								_		-				-	

OpenUXbuild De	ta-driven acc	reaches to the constructed user experience															
Stage: (Sa																	
Description: Yo	ur project de:	Process	Master Notes	Project	Status	Date	Notes	Code	Example(s)								
		favicon mobile icons															
		iphone															
	_	Android[] Windows Phone[]				-											
		Firefox OS()															
CONTENT 0/0/14		Consumit consumble constant from old site to tout file	or use 3rd party content content management environment for multip	No CRo or Issue or	mount of contact												
		Create all new content types that are used in old site/ne Dataset	eeded in new site. For example:													_	
		Forum Topic															
		Group Member Organization News & Information															
		News & Information															
		Publication & Presentation Webform															
		New Drunal Menuis) configured & consisted with revise	e content pulled from text file or system mentioned above														
		Superfish Dropdown menus with rollovers															
	_	Datasets	as needed as needed			_											
		Create "Member Center" menu for users to interact with Configure Homebox (m) or Workbench (m) Add all content types to Member Center that are neede	n site														
		Contigure Hamebox (m) or Workbench (m) Add all content types to Member Center that are neede	tor admiris, CP (For multi CP sites) see content type list above														
		Restyle css to make list of links more compact and twee	ak														
MEDIA 0/0/14		Images				-						H 1	+				
		Web optimized															
			<u> </u>														
0/0/14		Video															
DATABASE						-				-		-					
0/0/14			Large sets of users for example														
		optimized															
USERS 0/0/14		Create Roles											-		-	_	
		Admin															
		Custom User Groups of any kind Authenticated User															
		Anonymous User															
		User profiles (self edit) Display Directories, Groups, Users															
COMMUNICATION																	
0/0/14		MAIL CONFIGS Main module config for html emails, custom to this site,	etc.		_	-										 _	
		Mail Lists setup Edit stock Drupal messages - User friendly messages															
		Edit stock Drupal messages - User friendly messages Mandrill email config, Sendgrid	as needed														
0/0/14		Optimize site for speed				-										-	
		Performance Cache settings (Drupal)	Admin > Config > Performance > All caching settings														
		Minimum Cache lifetime to 0															
		Gzip Page Compression is enabled Block Cache is enabled															
		Optimize CSS is on full															
		Optimize JavaScrip is enabled															
		Go through this list>	https://www.drupal.org/node/1008690														
		Boost (m) - great for speeding up "anonymous" traffic	http://drupal.org/project/boost , drupal Boost module makes a huge of	difference for non-	-authenticated us	ers. Not so m	ch for authenticated users.										
		In Themes, the rebuild theme registry option is uncheck															
	_	In Themes, the rebuild theme registry option is uncheck Cache Views - Block caching (2 settings in Views > Adv	ked. v http://www.millwoodonline.co.uk/blog/drupal-7-performance-gains-wi	th-views-cache		-											
		Optimize the database MySQL Slow Queries. You can find these as well in yo	Please see this article on how to repair/optimize your database. (this https://my.bluehost.com/og/help/496														
						-										-	
		Timeless Domain's list of modules (4 yrs old) http://drupal.org/node/326504	https://www.drupal.org/node/1008690														
		http://groups.drupal.org/node/21897															
		http://colans.net/blog/drupal-7-performance-optimization	n-options-and-checklist you can probably up the amount of memory allocated to php, which is	s a good start ~~	nd your host show	id advise on *	se correct way										
		installed Yslow on Mac Air for testing	, and the second of the second	grand desir, all	,	and the second											
		Js at bottom as much as possible															
		Using CDN where possible	https://www.cloudflare.com/plans https://www.drupal.org/project/cdn														
		Page load time test	http://pagespeedgrader.com/ (11/4/14) C														
			1 - 1 -														
		Loading elements test	http://tools.pingdom.com (11/4/14) Grade: 85/100: Rec: 78: Load Time: 2.44 s: Page Size: 7.0	140													
			(y union obviou, rosq. ro; Load Time: 2.44 s; Page Size: 7.0	uma)													
-						-											
		Run Yslow test															
		Drupal CDN (m) Page load time test	https://www.drupal.org/project/cdn http://oagespeedgrader.com/			-				-		1				_	
		Loading elements test	http://pagespeedgrader.com/ http://tools.pingdom.com														
			http://newrelic.com/browser-monitoring														
-						-											
SECURITY																	
0/0/14		OWASP suggestions and tools	(see modules list) see their project site regularly										-				
		Security alerts	https://drupal.org/security														

OpenUXbuild	lata-driven app	proaches to the constructed user experience																							
Stage:																									
Description:	our project de	Process	Master Notes	Project	Status	Date	Notes	Code	Example(s)						_						_				
			https://drupal.org/node/1751076																						
		Testing Tools:				-									_										
		VEGA Scanner: Vulnerability Scanner																							
		Zap: OWASP Penetration tool CSF: Firewall and email protection, serve configuration		-		-									_										
		Nessus Scanner: Monitor and Scan Server																							
		There are some tools for specific vulnerabilities as well:																							
		A1 SQL Injection: SQL Inject Me browser plugin																							
		A2 Cross Site Scripting(XSS): This is tested with zap																							
		A3 Broken Authentication and Session Management: He A4 Insecure Direct Object Reference: Burp				-															_				
		A5 Cross-Site Request Forgery (CSRF): Tamper Data b	rowser plugin																						
		A6 Security Misconfiguration: Watobo A8 Failure to restrict URL Access: Nikto/Witkto				-									_						_				
		A9 Insufficient Transport Layer Protection: Calomel																							
		A10 Unvalidated Redirects and Forwards: Watcher																							
		Basic rules:				_																			
		Requirement 1. Install and Maintain a Firewall! Requirement 2. Do Not Use Vendor Supplied Default Pa																							
		Requirement 3. Protect Stored Data!	isswords:			_																			
		Requirement 4. Encrypt transmission of cardholder data	across open, public networks																						
		Requirement 5. Use and regularly update anti-virus soft Requirement 6. Develop and maintain secure systems a				+									_						_				
		Requirement 7. Restrict access to cardholder data by bu	usiness need-to-knowf																						
		Requirement 8. Assign a unique ID to each person with Requirement 9. Restrict physical access to cardholder d	computer access!			-									_										
		Requirement 10. Track and monitor all access to networ																							
		Requirement 11. Regularly test security systems and pro-																							
		Requirement 12. Maintain a policy that addresses inform	lation security for all personner			_																			
ACCESSIBILITY		lunan a a	henry a seeming																						
UU 14		WCAG 2.0	http://www.w3.org/WAI/																						
880 0/0/14		SEO Google Webmaster Tools																							
0014		SEO Checklist (m)				_																			
		My master SEO checklist SEO (internal)	SEO helps in improving SER in all major leading Web search engine	s including Goog	gle, Bing, Yahoo,	, and Baido (0	China). The following is a report of what is currently being done	by the Office of IT since r	our site uses the stock	Plone CMS to oot	edu for internal (se timize the site for i	earching within internal search.	he site) and external (searching ex Many of the practices included belo	ternally with an outside so w for external search are	sarch engine for implemented for	to the site) search and, I r and aid in optimizing in	therefore, search en ternal search.	gine rankings.			-				
		SEARCH ENGINE OPTIMIZATION (SEO) PRACTICE																							
						+									_						_				
		Google (other engines) knows the site																							
		Good IA, Googlebots have site map, crawl site well Page Load Time: 0.00 Seconds				+									_						_				
		Alt tags (unique, accurate)																							
		Title tags (unique, accurate) Head tags				-									_						-				
		Meta tag Descriptions, <=160 words, each page																							
		Optimizing Content	Write better anchor text to match desired affinity keywords Needs to be specified and continued actively by content providers.																						
			EXAMPLE: searching Google for "IST" results in #1 ranking			_															-				
			EXAMPLE: searching Google for "information science college" resul		?hl=en&answer=																				
		Meta tag keywords (depricated)	Google doesn't use keywords (http://support.google.com/webmaster Bing uses them only as a spam signal, not for ranking	s/bin/answer.py?	m=en&answer=	79812)									_						_				
			Yahoo doesn't use at all																						
		Key terms density Anchor vocabulary in site	Keyword density. Some search engines examine keyword density. T Anchor keywords are used to capitalize on the benefits of keywords	he designer shou and inbound links	uld ensure that k s. Try to use key	words as link	e site appear frequently in the content. Keywords should be in s that can be found in the flow of a paragraph. If the user clicks	cluded in the alternative to on a keyword, the user is	ext, titles, headings, table redirected to a section of	headings, and thr of the site where fu	oughout paragrap uther details abou	t the keyword a	e highlighted. If, for example, you o	design a site about widget	s and include "t	lue widgets" as one type	of product that is of	fered, create a lin	k for the blue widgets	keyword that will	take the user to	o the associated	product page. T	his is beneficial for SEO as well as	for usability. Part of the reason
		Anchor vocabulary in site Make effective use of robots.txt	Keyword density. Some search engines examine keyword density. T Anchor keywords are used to capitalize on the benefits of keywords	he designer shor and inbound link	uld ensure that k s. Try to use key	words as link	e site appear frequently in the content. Keywords should be in s that can be found in the flow of a paragraph. If the user clicks	cluded in the alternative to on a keyword, the user is	ext, stiles, headings, table a redirected to a section of	headings, and thr of the site where fu	oughout paragrap urther details abou	t the keyword a	e highlighted. If, for example, you o	design a site about widget	s and include "t	lue widgets" as one type	of product that is of	fered, create a lin	k for the blue widgets	keyword that will	I take the user to	o the associated	product page. T	his is beneficial for SEO as well as	for usability. Part of the reason
		Anchor vocabulary in site Make effective use of robots.txt Good (readable, accurate) URLs (Plone)	Keyword density. Some search engines examine keyword density. T Anchor keywords are used to capitalize on the benefits of keywords	he designer shot and inbound links	uld ensure that k	words as link	e sits appear frequently in the content. Keywords should be in s that can be found in the flow of a paragraph. If the user clicks	cluded in the alternative to on a keyword, the user is	ext, titles, headings, table redirected to a section of	headings, and thr of the site where fu	ougnout paragrap urther details abou	t the keyword a	in with a page's subject matter and to highlighted. If, for example, you o	design a site about widget	s and include "t	lue widgets" as one type	of product that is of	fered, create a lin	k for the blue widgets	keyword that will	I take the user to	o the associated	product page. T	his is beneficial for SEO as well as	for usability. Part of the reason
		Anchor vocabulary in site Make effective use of robots.txl Good (readable, accurate) URLs (Plone) Be aware of rel="nofoliow" for links (Plone) SEO for Mobile Phones (Plone, Responsive)	Keyword density. Some search engines examine keyword density. It Anchor keywords are used to capitalize on the benefits of keywords	he designer shot and inbound links	uld ensure that k	words as link	e site appear frequently in the content. Keywords should be in a that can be found in the flow of a paragraph. If the user clicks	cluded in the alternative to on a keyword, the user is	xt, sties, headings, table s redirected to a section of	headings, and thr of the site where fu	oughout paragrap urther details abou	t the keyword a	in with a page's subject manale and e highlighted. If, for example, you o	design a site about widget	s and include "t	lue widgets" as one type	of product that is of	fered, create a lin	k for the blue widgets	keyword that will	I take the user to	o the associated	product page. T	his is beneficial for SEO as well as	for usability. Part of the reason
		Anchor vocabulary in site Make effective use of robots.tet Good (readable, accurate) URLs (Plone) Be aware of reli~nofolour* for links (Plone) SEO for Mobile Phones (Plone, Responsive) Guide mobile users accurately (Plone, Responsive)	(Keyword density, Some search engines examine keyword density, T Anchor keywords are used to capitalize on the benefits of keywords	he designer shor and inbound links	uld ensure that k	words as link	e site appear frequently in the content. Keywords should be in that can be found in the flow of a paragraph. If the user clicks	on a keyword, the user is	xt, titles, headings, table redirected to a section of	headings, and thr	ougnout paragrap other details abou	the keyword a	in with a page is adopted matter and e highlighted. If, for example, you o	design a site about widget	s and include "E	lue widgets" as one type	of product that is of	fered, create a lin	k for the blue widgets	keyword that will	I take the user to	o the associated	product page. T	his is beneficial for SEO as well as	for usability. Part of the reason
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Оренолиши		velopment Staping Production)		_	_	_				_			_		_	_			-	_
Description:					_					_			_		_	_			\rightarrow	
			And the second s			_							_		_	_				
Date	Biatus	Process	Master Notes	Project	Status	Date	Notes	Code	Example(s)											
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PRE-LAUNCH																				
0/0/14		Get new Mollom API keys (from mollom.com) []and co																		
		Check CKEditor/CKFinder	Scookie_domain is ok in Status Report																	
		Homebox (m) or Workbench (m) for admins, CP	confirm workflow is optimized																	
		Logging and errors, Dont show users errors, error pge	custom																	
		Drupal best practices	https://www.drupal.org/best-practices																	
		Version control, Push to Git	This can be done multiple times throughout the project.																	
PUSH TO REM	TE (TDEV, ST)	AGING, PRODUCTION")																		
0/0/14		Domain propagation																		
		Push files and database to Remote and configure																		
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DELLANTE ATTEN	GTIANA DE	RODUCTION') TESTING			_										_	_			-	_
0/0/14		Remote Security check	(see list above) AND FIND "Going to remote" security checklist		_								_		_	_			-	
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		Remote Platform Tests			_								_		_	_				
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		ENTS (Local/Sendbox flet, Production second)											_		_	_				
0/0/14		Continued security testing	see list in Security										_		_					
		Continued analytics analysis											_		_					
		Continued site maintenance, status reports, moduleth	eme updates																	
		Improvements																		
		Features (m) - duplicate setups multiple sites	as needed																	
		Drupal Core Updates																		
		Drupla Module Updates																		
INSTRUCTION	DOCUMENTA	ATION																		
0/0/14		Send welcome message to users with necessary infor	mation.																	
HCI RESEARCH																				
0/0/14		Biomedical data collection & analysis																		
		EEG																		
		EKG																		
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