

# **Wifi**

**SSID: UST-MLPS**

1. Go to google. You will be redirected.
2. Scroll down and click “guest access”
3. Accept the terms (read carefully: no porn!)

# **PSD to Theme**

**v.2: The Open Source Edition**

# What's on tap

- Theming philosophy
- Component identification
- Design analysis
- Style guide creation
- Asset library creation
- Site building
- Theme initiation
- Style guide to theme
- Forensic theming
- MVP theme

# Mosaic

Welcome to our website! Now in its 21st year, MOSAIC is celebrating its coming of age by entering the digital world. You can now download current and past issues of this very important cultural magazine which features all the best of Grey and Bruce and still committed to words on paper (MOSAIC is published monthly from March to November and is available for pickup at the newsagents). We are pleased to now provide a fresh way for the world to connect with us.

Founded in 1991 by the remarkable Vi Blizard, MOSAIC's first publisher was Vi's company ABM Publications (All By Me). In 2005 Vi changed to the now familiar magazine format with striking full-colour covers. Over the years, the circulation has steadily increased to satisfy the demand from readers. In September 2010, The Ginger Press purchased MOSAIC and the community to continue to provide this essential focus on Arts, Entertainment and Lifestyle in Grey and Bruce. We now offer digital and print editions, and lots in between because, really, it's all Arts, Entertainment and Lifestyle, isn't it?

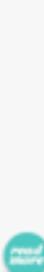
We appreciate our readers: it is from you that we get the stories, poems, pictures, recipes, columns, event notification and other content within our pages. Thank you. We also appreciate the support from our advertisers which keeps this publication going. Local organizations, institutions and businesses have chosen MOSAIC as part of their marketing plan. Thank you. As Vi says, "It's like putting various sizes of like pieces so as to form one picture." And it takes all of you to build our publication.

We will post each issue of MOSAIC as it is published. Please circulate this link widely. And, when you're in the area, I hope you'll attend some of the many great local events described in our pages. Tell them you read about it in MOSAIC. You never know who you might meet!

Maryann Thomas  
MOSAIC

## Archives: 2012

Welcome to the new year! You will be able to download our magazine as it becomes available.



## About

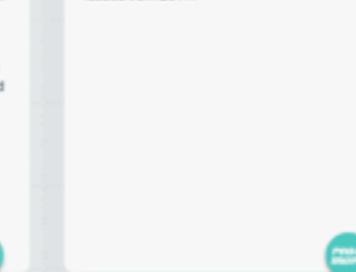
Copies of Mosaic are delivered free of charge to the general public at specific drop-off stops in Grey and Bruce and many places outside of this area.

We welcome your letters and suggestions as your opinions are important to us and help us to better understand what you want to see and read in Mosaic.

Published and distributed 9 times a year by The Ginger Press.

## Archives: 2011

For your downloading and reading pleasure, we offer you the entire archive of Mosaic issues from 2011.



Pellentesque dapibus  
ullamcorper leo

featured  
article

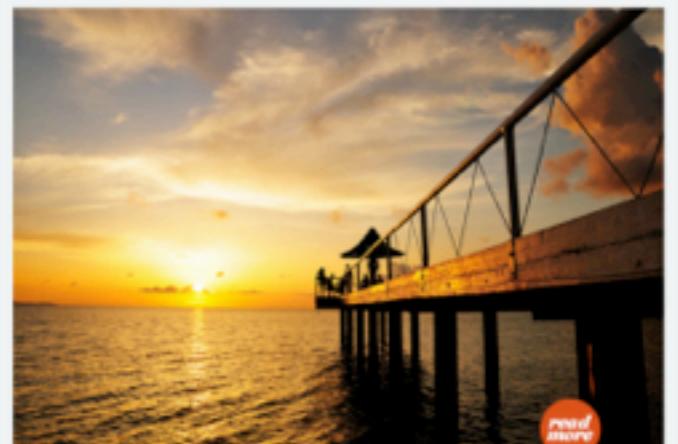
Elcvne commune elaboraret  
his, mea amet luptatum

featured  
article



Te usu causeae efficiendi. Nusquam percipitur cotidieque ut vis. An est vocent fabellas platonem, eu dico elitr feugait per. Et veri posse everti vir.

JAN 4, 2011 [LOGIN OR REGISTER TO POST COMMENTS](#) 1 ATTACHMENT



Elcvne commune elaboraret his, mea amet luptatum at. Modo aeterno proprie ius id. Viris definiebas reprehendunt ad eam. In mea melius commodo.

JAN 4, 2011 [LOGIN OR REGISTER TO POST COMMENTS](#) 1 ATTACHMENT

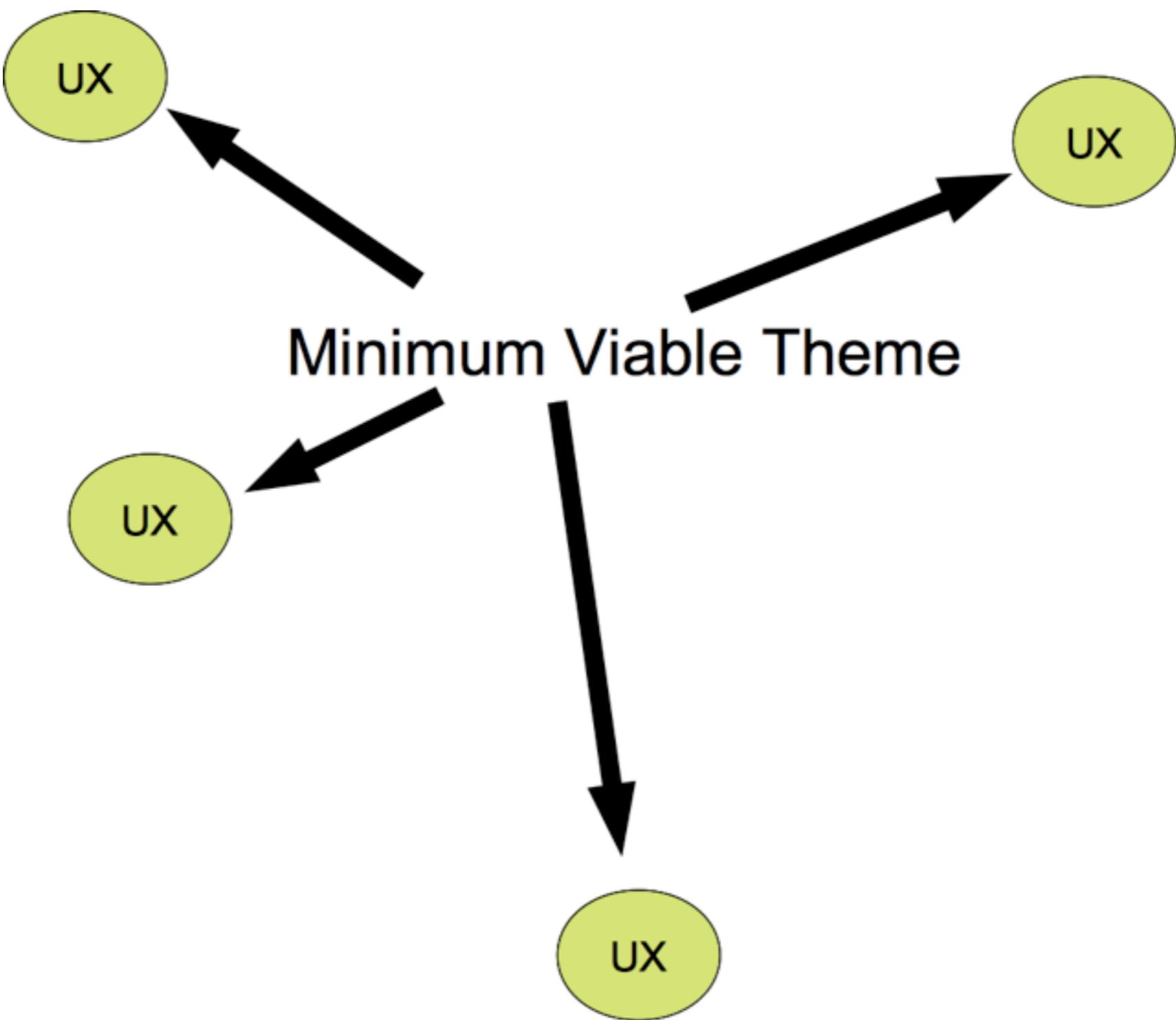
# Theming philosophy

Friday, 19 July, 13

## The story of Journal Crunch: The theme built for a specific site.

Today we talk a lot about front end development. Previously we talked a lot about themers. The role has evolved over time from one that was primarily about decorating Drupal output to designing and implementing component systems. Both are valid. The modern front end developer tends to work on projects where the “theme” is \$20k+. The old style themer worked with smaller budgets. The web has evolved.

Activity question: How much will you spend on your theme?

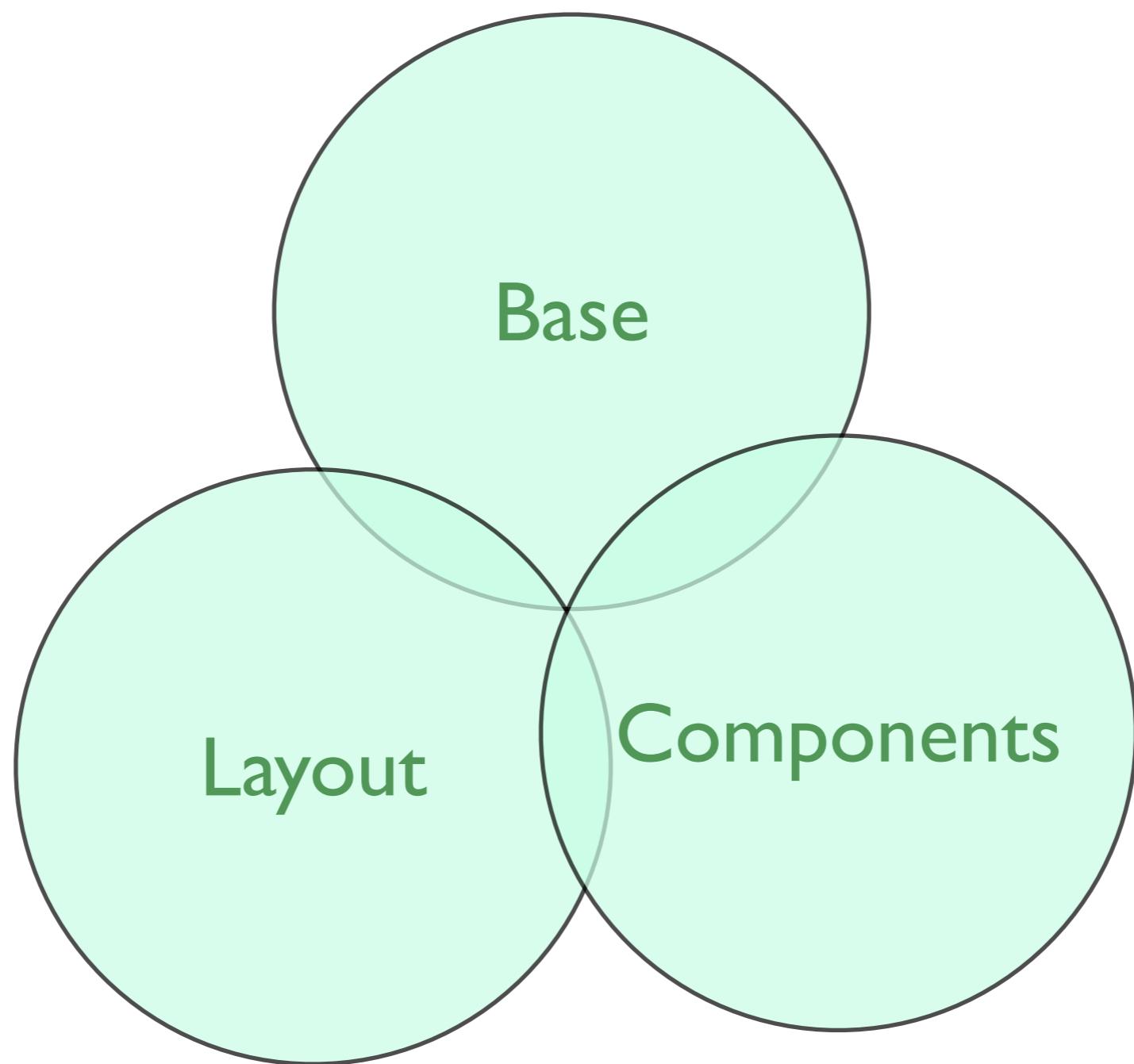


# Theming by component

Friday, 19 July, 13

We're going to start with a basic theme and then fix things until the user experience is consistent with the design we were provided.

# Style framework



Friday, 19 July, 13

Throughout the day we're going to be focusing on three areas in our theming: Base, Layout, and Components. I've been working this way for as long as I've been theming, but it's the OOCSS culture that put the words onto the structure I'd been using. There's more to it than this, but starting with this framework is an excellent starting point. Read [www.smacss.com](http://www smacss com) for more details.

# Atomic Design

## The Building Blocks of Your Theme

Web systems are built from components.

- **Page** is a unit of business intent which is ...
- Assembled by a series **regions** which are ...
- Filled with (content) **components** which are ...
- A collection of **fields**

Friday, 19 July, 13

The three focal points: base, layout, component divide our styles into categories, but we must also work in terms of “size”. I always try to theme from “biggest” to “smallest” targets. Brad Frost has given the language of “Atomic Design”. Again, this is nothing more than a clear and clever name for what we’ve been doing for ages.



The  
**JournalCrunch**  
the JournalCrunch



Pellentesque dapibus  
ullamcorper leo

featured  
article



Te usu causeae efficiendi. Nusquam percipitur cotidieque ut vis. An est vocent fabellas platonem, eu dico elitr feugait per. Et veri posse everti vir.

JAN 4, 2011  [LOGIN OR REGISTER TO POST COMMENTS](#) [1 ATTACHMENT](#)

Elcvne commune elaboraret  
his, mea amet luptatum

featured  
article



Elcvne commune elaboraret his, mea amet luptatum at. Modo aeterno propriae ius id. Viris definiebas reprehendunt ad eam. In mea melius commodo.

JAN 4, 2011  [LOGIN OR REGISTER TO POST COMMENTS](#) [1 ATTACHMENT](#)

Nusquam percipitur  
cotidieque ut vis



Morbi in sem quis dui  
placerat ornare



Pellentesque dapibus  
ullamcorper leo



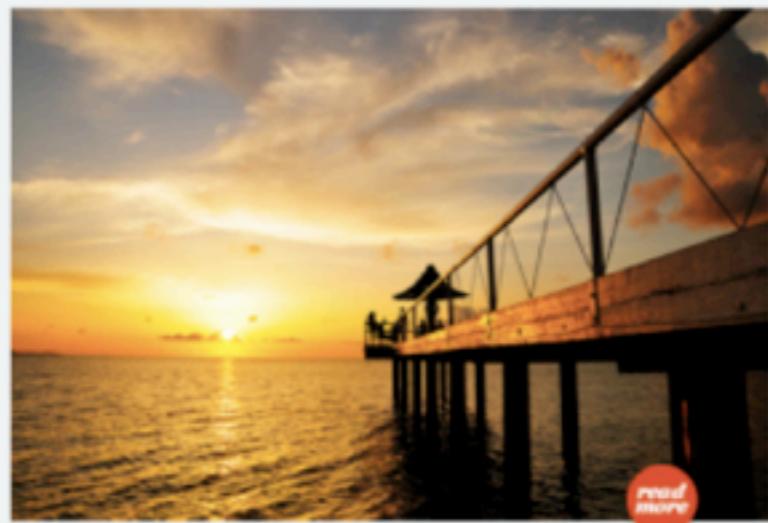
# Page

**the  
JournalCrunch**  
the JournalCrunch

Pellentesque dapibus  
ullamcorper leo

  
featured  
articleread  
more

Elcvne commune elaboraret  
his, mea amet luptatum

  
featured  
articleread  
more

Te usu causeae efficiendi. Nusquam percipitur cotidieque ut vis. An est vocent fabellas platonem, eu dico elitr feugait per. Et veri posse everti vix.

JAN 4, 2011  [LOGIN OR REGISTER TO POST COMMENTS](#) [1 ATTACHMENT](#)

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JAN 4, 2011  [LOGIN OR REGISTER TO POST COMMENTS](#) [1 ATTACHMENT](#)

Nusquam percipitur  
cotidieque ut vis



Morbi in sem quis dui  
placerat ornare



Pellentesque dapibus  
ullamcorper leo



# Regions



# The JournalCrunch

the JournalCrunch



Pellentesque dapibus  
ullamcorper leo

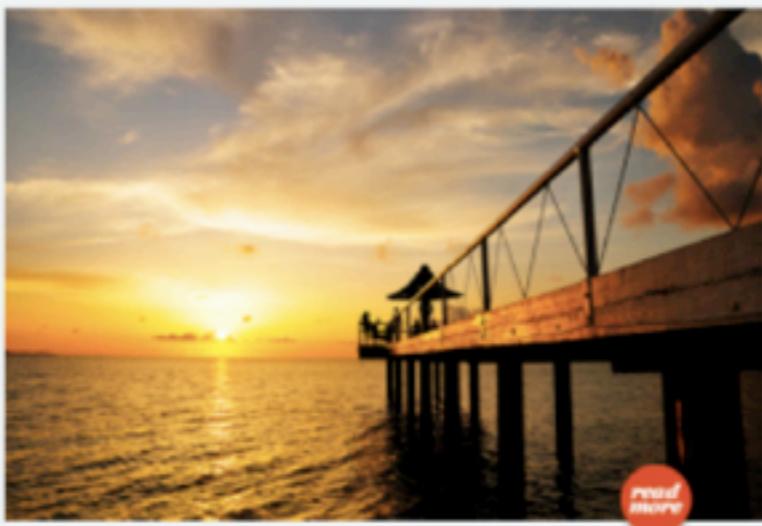
featured  
article



read  
more

Elcvne commune elaboraret  
his, mea amet luptatum

featured  
article



read  
more

Te usu causeae efficiendi. Nusquam percipitur cotidieque ut vis. An est vocent fabellas platonem, eu dico elitr feugait per. Et veri posse everti vix.

JAN 4, 2011 LOGIN OR REGISTER TO POST COMMENTS 1 ATTACHMENT

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JAN 4, 2011 LOGIN OR REGISTER TO POST COMMENTS 1 ATTACHMENT

Nusquam percipitur  
cotidieque ut vis



Morbi in sem quis dui  
placerat ornare



Pellentesque dapibus  
ullamcorper leo



# Regions



# Header



Pellentesque dapibus  
ullamcorper leo

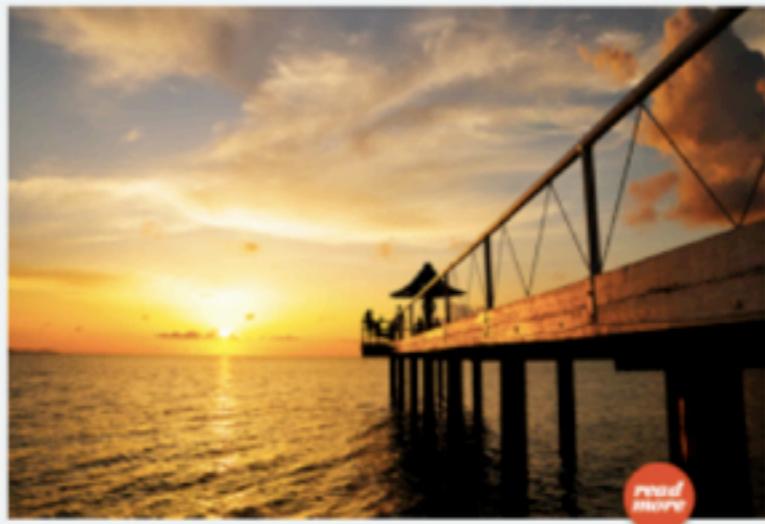
featured  
article



read  
more

Elcvne commune elaboraret  
his, mea amet luptatum

featured  
article



read  
more

Te usu causeae efficiendi. Nusquam percipitur cotidieque ut vis. An est vocent fabellas platonem, eu dico elitr feugait per. Et veri posse everti vix.

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cotidieque ut vis



Morbi in sem quis dui  
placerat ornare



Pellentesque dapibus  
ullamcorper leo



# Regions



Pellentesque dapibus  
ullamcorper leo

  
featured  
article

Elcvne commune elaboraret  
his, mea amet luptatum

  
featured  
article

## Hero (or Featured content)



Te usu caue efficiendi. Nusquam percipitur cotidieque ut vis. Am est vocent fabellas  
platinum, eu dice alii fugait per. Et veri posse averti vis.

18/12/2011 · LOG IN OR REGISTER TO POST COMMENTS · 1 ATTACHMENT

Elcvne commune elaboraret his, mea amet luptatum at. Modo zetomo propnse jus  
id. Vitis definiclas reprehendunt ad eam. In mea milius conmoda.

18/12/2011 · LOG IN OR REGISTER TO POST COMMENTS · 1 ATTACHMENT

Nusquam percipitur  
cotidieque ut vis



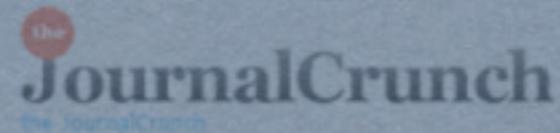
Morbi in sem quis dui  
placerat ornare



Pellentesque dapibus  
ullamcorper leo



# Regions



# Header



Pellentesque dapibus  
ullamcorper leo

featured  
article

Elcvne commune elaboraret  
his, mea amet luptatum

featured  
article



## Hero (or Featured content)

Te usu caue efficiendi. Nusquam percipitur cotidieque ut vis. Am est vocent fabellas  
platinum, eu dice alii fugiat per. Et veri posse averti vis.

JULY 12, 2011 · LOG IN OR REGISTER TO POST COMMENTS · 1 ATTACHMENT

Elcvne commune elaboraret his, mea amet luptatum at. Modo zetomo propriae jus  
id. Vitis definiculas reprehendunt ad eam. In mea melius comoda-

JULY 14, 2011 · LOG IN OR REGISTER TO POST COMMENTS · 0 ATTACHMENT

Nusquam percipitur  
cotidieque ut vis

Morbi sem quis dui  
placerat, id enim

Pellentesque dapibus  
ullamcorper leo

## Footer



# Regions

# Grouped Content

- Static navigation (“menus”)
- Dynamic lists e.g. date-based such as “latest news”. (“views”)

# Content Patterns

- Basic content
- Time-stamped content
- Future events
- Callouts
- Resources
- Related items
- Directory of people
- Data collection
- Non-editorial (ads, logo, “decoration”)
- Custom

# Fields

- Choices
- Files
- Numbers
- Taxonomy
- Text
- Date
- Link
- References

# Resources

- Pears: common pattern of markup and styles. <http://pea.rs/>
- Atomic Design: <http://bradfrostweb.com/blog/post/atomic-web-design/>
- Designing Web Systems <http://fourkitchens.com/presentations>

# Pattern Library

Using the following headings, write down a list of every type of component you can think of:

- Content type
- Aggregation of content
- Navigation
- Other (create own category!)



# Design Analysis

Your theme is a collection of rendered patterns.

The diagram illustrates a website layout with several labeled components:

- Logo**: Located at the top left, featuring a blue circle with a white 'i' and the text "My site" and "My slogan is".
- Primary Links**: A horizontal menu bar with five items: "Primary", "Links", "Menu", "Goes", and "Here".
- Search Block**: A sidebar on the left containing a search form with fields for "Search" and "Search".
- View (block)**: A sidebar on the left containing a "Monthly archive" section with links to "November 2010" (6), "October 2010" (7), "September 2010" (10), "August 2010" (5), and "July 2010" (3).
- Login block**: A sidebar on the left containing a "User" section with fields for "Username" and "Password", and a "Log in" button. It also includes links for "Create new account" and "Nested menu".
- Navigation menu**: A sidebar on the left containing links for "Story", "Page", and "Product".
- Content Area**: The main content area displays three "Story Title" cards, each with a date ("Wed, 03/24/2010 - 15:26"), a snippet of text ("Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea"), and two "tag1 tag2" tags. Each card also has a "Read more" link.
- Pagination**: At the bottom right, there is a navigation bar with links for "« first", "< previous", "6 7 8 9 10 11 12 13 14", "... next >", and "last »".
- User Account**: A yellow header bar at the top right with "My Account" and "Log Out" buttons.

# Design Analysis

## A single design can have many interpretations.



AT HOME

Home

Who We Are

What We Do

Contact

SEARCH

SUBSCRIBE



FURNITURE LINENS DISHES

Be it ever so humble,  
there's no place like home.  
*Treasuring the things that make  
your house a home.*



I asked Carrie if she knew anything about it. She replied it was my own fault for leaving the diary about with a charwoman cleaning and the sweeps in the house. I said that was not an answer to my question.

*This retort of mine, which I thought extremely smart, would have been more effective had I not jogged my elbow against a vase on a table temporarily placed in the passage, knocked it over, and smashed it.*

### PORTFOLIO



As I am in the prospective vein, I vow the end of this year will see the end of my diary.

December 19.—The annual invitation came to spend Christmas with Carrie's mother—the usual family festive gathering to which we always look forward. Lupin declined to go. I was astounded, and expressed my

### TRENDS



December 17. As I open my scribbling diary I find the words "Oxford Michaelmas Term ends."

Why this should induce me to indulge in retrospective I don't know, but it does. The last few weeks of my diary are of minimum interest. The breaking off of the engagement between Lupin

Friday, 19 July, 13

Today we'll be working with the domicile design. You'll be creating a style guide for this design, an asset library, and then converting it into a theme using a base theme. We're going to work with a rapid prototyping base theme, NineSixty. We'll talk more about base themes later on. For now we'll spend most of our time talking about base styles and components.



# AT HOME

[Home](#)

[Who We Are](#)

[What We Do](#)

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[READ MORE](#)



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[READ MORE](#)

This theme is available under the GPL license. For more information contact [Design To Theme](#).

Friday, 19 July, 13

Write down everything that you see. Some things might be a single field, but other times it might be a cluster of elements. For example: identify the content and lists of content. Sometimes what you are observing is a container that things fit into (e.g. how many columns?). There are several right answers.



# AT HOME

[Home](#)

[Who We Are](#)

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[FURNITURE](#) [LINENS](#) [DISHES](#)

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[READ MORE](#)



## TRENDS



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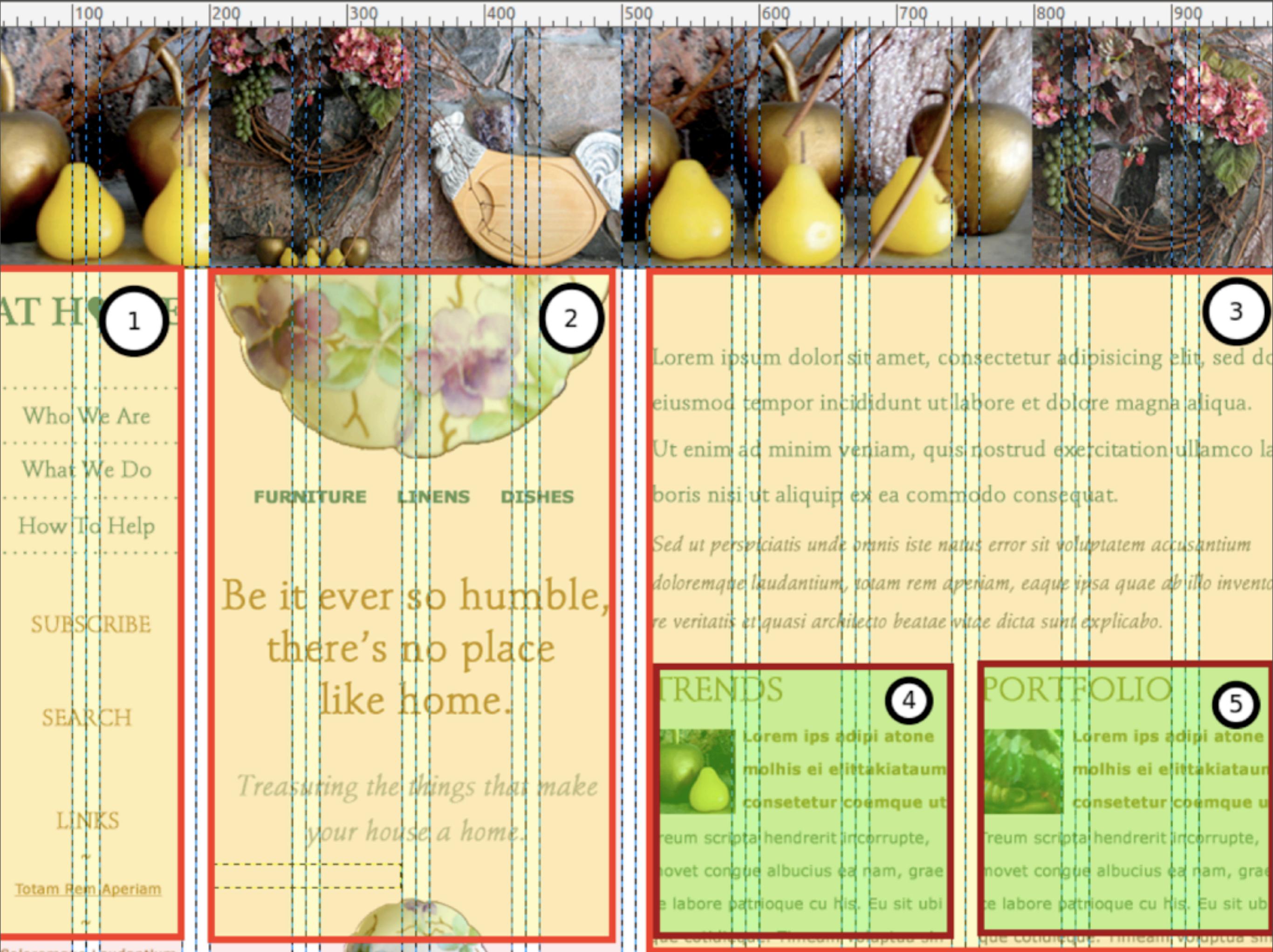
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Friday, 19 July, 13

As a group, review what people wrote down. There should be words like: images/decorations, content/node, menus, regions, navigation, headings. Possible clusters: slats for #4 and #5

There are definitely three regions on this design. It's not clear how items #4 and #5 should be rendered. And depending on how the banner image is added to the design, it's possible you'd want to make that a region too.

**Discussion:** what are some of the reasons to create #4 and #5 as their own regions? What are some of the drawbacks to doing this?

# Identifying patterns

On Drupal.org, identify at least two different content patterns, and two lists of content.

Within each of the content patterns that you find, list all of the fields that are displayed.



# Style Guide

- A style guide is a summary of patterns which is used to implement content in a consistent manner.
- It establishes the expected behaviour for future content.

# Style Guide

Categorize the elements you identified from the Domicile design into the following categories:

- Base
- Layout
- Component



# Asset Library

Everything but the markup

- “Out, out, get it all out. These are the things we can’t theme with out.”
- CSS: names, rules and properties
- Non-editorial / static images that are not uploaded as part of the site’s content.  
Typically persistent from screen-to-screen (e.g. logo or banner).

# Asset Library

Your asset library extends your style guide. It is a folder on your local system and may include the following directories and files:

- css/base.css
- css/components.css
- images/
- <http://psdtotemeworkshop.com/>
- ->get started -> Case Study I





1

## AT HOME

2

[Who We Are](#)[What We Do](#)[How To Help](#)[SUBSCRIBE](#)[SEARCH](#)[LINKS](#)[Totam Rem Aperiam](#)[Soloremque Laudantium](#)[Deserunt Mollit](#)

3

[FURNITURE](#) [LINENS](#) [DISHES](#)

Be it ever so humble,  
there's no place  
like home.

*Treasuring the things that make  
your house a home.*

4

*Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.*

*Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.*

*Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium doloremque laudantium, totam rem aperiam, eaque ipsa quae ab illo invento re veritatis ei quasi architecto beatae vitae dicta sunt explicabo.*

### TRENDS



***Lorem ips adipi atone  
molhis ei elittakiataum  
consetetur coemque ut.***

*Treum scripta hendrerit incorrupte,  
movet congue albucius ea nam, grae  
ce labore patrioque cu His. Eu sit ubi  
que cotidieque. Timeam voluptua sin  
gulis nec eu, at mel admmodum copio  
sae assentior. Cum in congue molest  
ie atomorum. [MORE...](#)*

### PORTFOLIO



***Lorem ips adipi atone  
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que cotidieque. Timeam voluptua sin  
gulis nec eu, at mel admmodum copio  
sae assentior. Cum in congue molest  
ie atomorum. [MORE...](#)*

Friday, 19 July, 13

Image extraction. Open up the PSD file and take out all images which will not be uploaded from the UI as part of the \*content\* of your site.

name = D7SI  
description  
screenshot  
core = 7.x  
engine = pl  
base theme

domicile.info  
929 bytes



feature-decoration-top.jpg  
13.3 KB



sample-blog-post-1.jpg  
11.3 KB



Friday, 19 July, 13



domicile-banner.jpg  
140.3 KB



LICENSE.txt  
14.6 KB



sample-blog-post-2.jpg  
12.5 KB



feature-decoration-bottom.jpg  
7.2 KB



page.tpl.php  
1.7 KB



screenshot.png  
85.0 KB



styles.css  
2.4 KB

These images will live in your theme. This is a bit messy. You might want to put your images into a sub-directory.

```

<div id="page" class="container-12 clearfix">
<a href="#content" style="display: none">skip to content</a>
  <div id="banner" class="grid-12 clearfix">
    <a href="<?php print $front_page; ?>" title="Back to <?php print $site_name; $logo; ?>" alt="Back to <?php print $site_name; ?> home page." /></a>
  </div>
  <div id="main" class="grid-12 clearfix">
    <div id="nav" class="grid-2 alpha">
      <a href="<?php print $front_page; ?>" title="Back to <?php print $site_name; $logo; ?> home page." />
      <h1 id="site-name"></h1>
      <?php print render($page['nav_left']); ?>
    </div>
    <div id="feature" class="grid-4">
      <div class="decoration"></div>
      <?php print render($page['feature_middle']); ?>
      <div class="decoration"></div>
    </div>
    <div id="content" class="grid-6 omega">
      <?php print render($title_prefix); ?>
      <?php if ($title): ?>
        <h1 class="title" id="page-title"><?php print $title; ?></h1>
      <?php endif; ?>
    </div>
  </div>

```

The screenshot shows a website template with the following structure:

- Banner:** Contains a logo image and a link back to the homepage.
- Main Content Area:** Contains a navigation bar with links to "FURNITURE", "LINENS", and "DISHES".
- Feature Section:** Contains two decorative images: one for "Linen, Dishes" and one for "Furniture".
- Content Section:** Contains a title area with a placeholder for the page title.

Arrows point from the following PHP code snippets to their corresponding visual elements:

- An arrow points from the line `</h1>` to the "Site Name Logo" image in the banner.
- An arrow points from the line `</div>` to the "Linen and Dishes Decoration" image in the feature section.
- An arrow points from the line `</div>` to the "Furniture Decoration" image in the feature section.

Friday, 19 July, 13

Static images are referenced directly in the template files. In this case page.tpl.php has three hard coded images.

# Build Out Your Site

For the initial pass, focus on the following elements:

- Content types
- Containers (regions + layout)
- Navigation
- Lists of content

Friday, 19 July, 13

A theme system and a themed page are not the same thing (remember Journal Crunch?). In order to create your theme, you must have a site to apply it against.

# Build A Site

Ideally, working in pairs, select and build  
ONE of the case studies listed at:

<http://psdtothemeworkshop.com/getstarted>

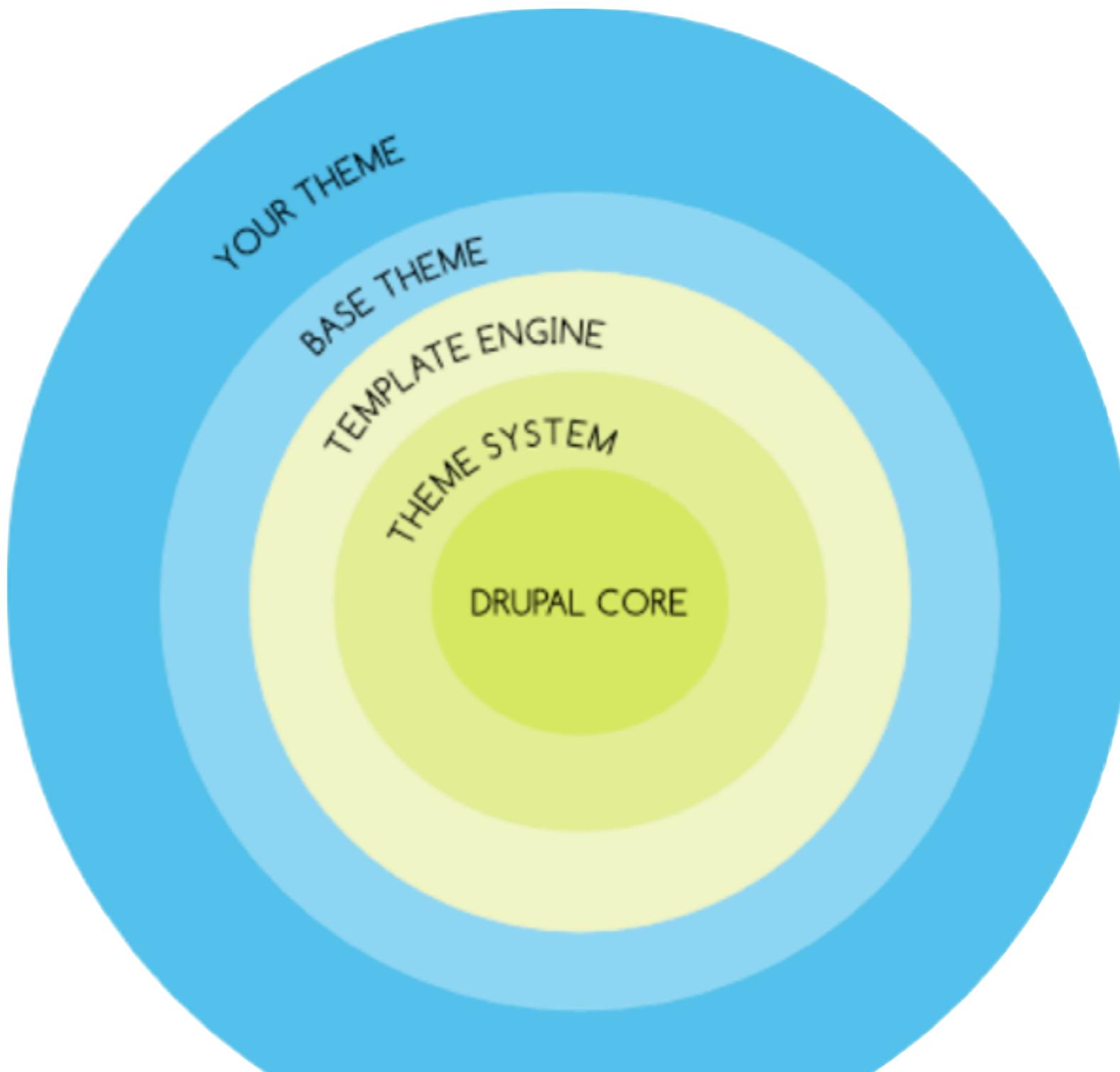
- Case study 1: Domicile theme. More images.
- Case study 2: Vert theme. More PHP.



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They should build out the site using Bartik for now. We'll get to theming next. The workbooks need to be restructured to ensure that "site build" is in the same workbook, but separate from the theming.

# Theming Drupal (finally)



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Theming is a series of overrides. We start with Drupal core. To this we add the theme system and the template engine (we almost always use PHPtemplate for Drupal 7; this will be TWIG in Drupal 8). Next we add a base theme (more about that in a second), and finally your theme sits on the outer edge. This means you get final say on whatever is displayed in the site. But it also means you can eff everything up if you get something wrong. No pressure.

# Anatomy of a Theme

- .info file
- CSS/SASS files
- tpl.php files
- template.php
- JavaScript files
- images and other design assets

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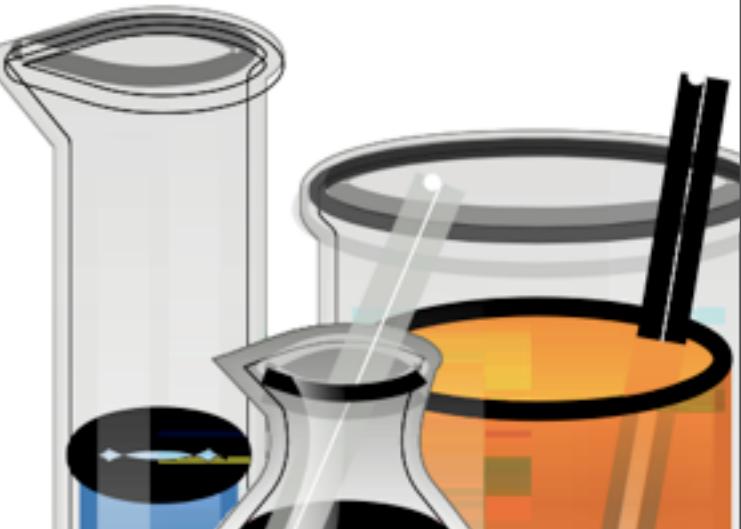
Inside a theme you'll have several different types of files. They all work together to output something delicious. Let's go through these different types of files one at a time.

...

up to this point you've been working on parts of your theme: the asset library will become the CSS files and the images.

# Style Guide to Theme

1. Compile your Web-ready asset library into a single directory. (This might be done.) Name the folder: **tcdc2013**
2. In that directory, create and complete a .info file for your theme. Name the file **tcdc2013.info**.
3. In the .info file reference the CSS file created.  
`stylesheets[all][] = path/to/file.css`



# sample .info file

**name = D7SBE - Domicile**

**description = A three-column design by Design House ([www.design-house.ca](http://www.design-house.ca)) and themed by Design to Theme.**

**screenshot = screenshot.png**

**core = 7.x**

**engine = phptemplate**

**base theme = ninesixty**

# sample .info file

name = D7SBE - Domicile

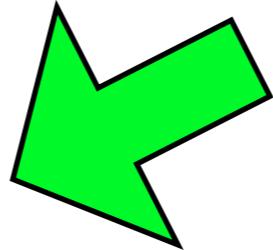
description = A three-column design by Design House ([www.design-house.ca](http://www.design-house.ca)) and themed by Design to Theme.

screenshot = screenshot.png

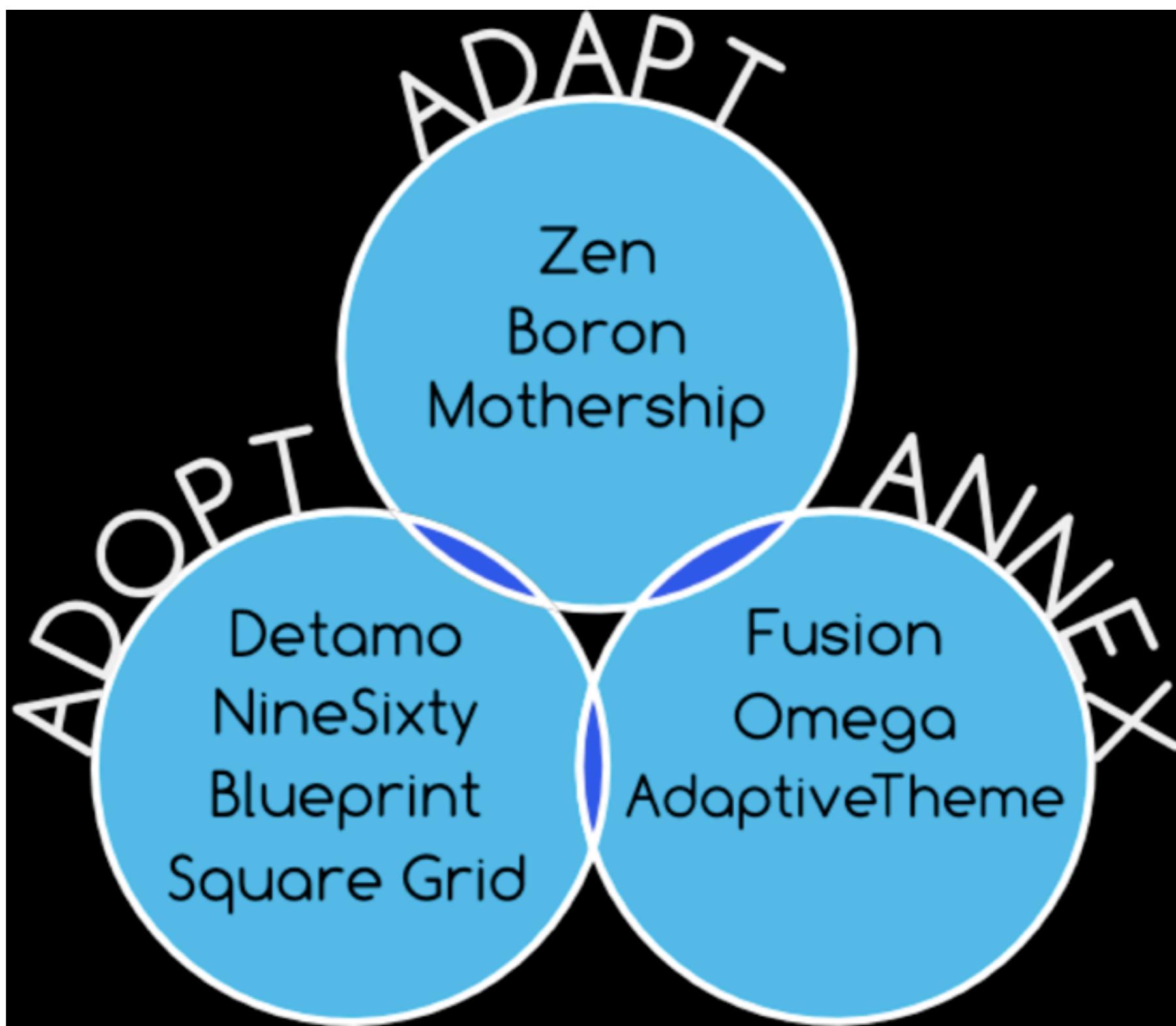
core = 7.x

engine = phptemplate

base theme = ninesixty



# Base Themes



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Three types of base themes: those which ADAPT the markup provided by core; those which ADOPT an outside framework; and those which ANNEX the theme system and build their own WTF on top of what Drupal provides. Those working on very, very large projects are likely to pull in elements from any number of places but are less likely to use a base theme. Those working on small to medium-sized projects would be crazy to start everything from scratch. Too expensive and too much time wasted fiddling with things that others have already solved.

# Add Your Base Theme

1. Download your base theme of choice (i.e. <http://drupal.org/project/ninesixty> for today).
2. In your theme's .info file, add a reference to the base theme  
base theme = ninesixty
3. Later, you can get crazy and try out \*different\* base themes!



# Match Selectors to Markup

```
.node-type-article .left, .page-blog .left {  
  float: left;  
  width: 150px;  
}  
  
.node-type-article .right, .page-blog .right {  
  float: left;  
  width: 560px;  
}  
  
.node-type-page.no-sidebars .left {  
  float: left;  
  width: 200px;  
}
```

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Looking at your Drupal site, find the selectors that are in place. WARNING: this is brittle and may bite you in the arse!! But it's a great way to get to a MVTheme.

# CSS Selector Mapping

1. In a perfect world, you'd modify the markup to match your selectors. (<http://munich2012.drupal.org/program/sessions/dominate-theme-layer.html>)
2. Today we're going to "cheat" and match our selectors to Drupal's output.



# Apply Your Theme

Apply, Test, Refactor, Iterate, and Carry On

Get your theme onto Drupal as fast as possible. Find problems early and fix ‘em before things get too complicated.

# Workbook Time!

Ideally, working in pairs, select and build  
ONE of the case studies listed at:

<http://psdtotheworkshop.com/getstarted>

(Case study 1 \*or\* Case study 2)



# Summary

- Identify components in the design.
- Create a style guide to establish patterns and naming conventions, focusing on: Base, Layout, and Components.
- Build an asset library with images + CSS.
- (Build a Drupal site.)
- Apply your asset library to your theme.
- Apply your theme to your site build.

# Watch it evolve!

- [www.psdtothemeworkshop.com](http://www.psdtothemeworkshop.com)
- [www.drupalize.me](http://www.drupalize.me)