Getting Atomic with Pattern Lab

Who am I?

Who am I?

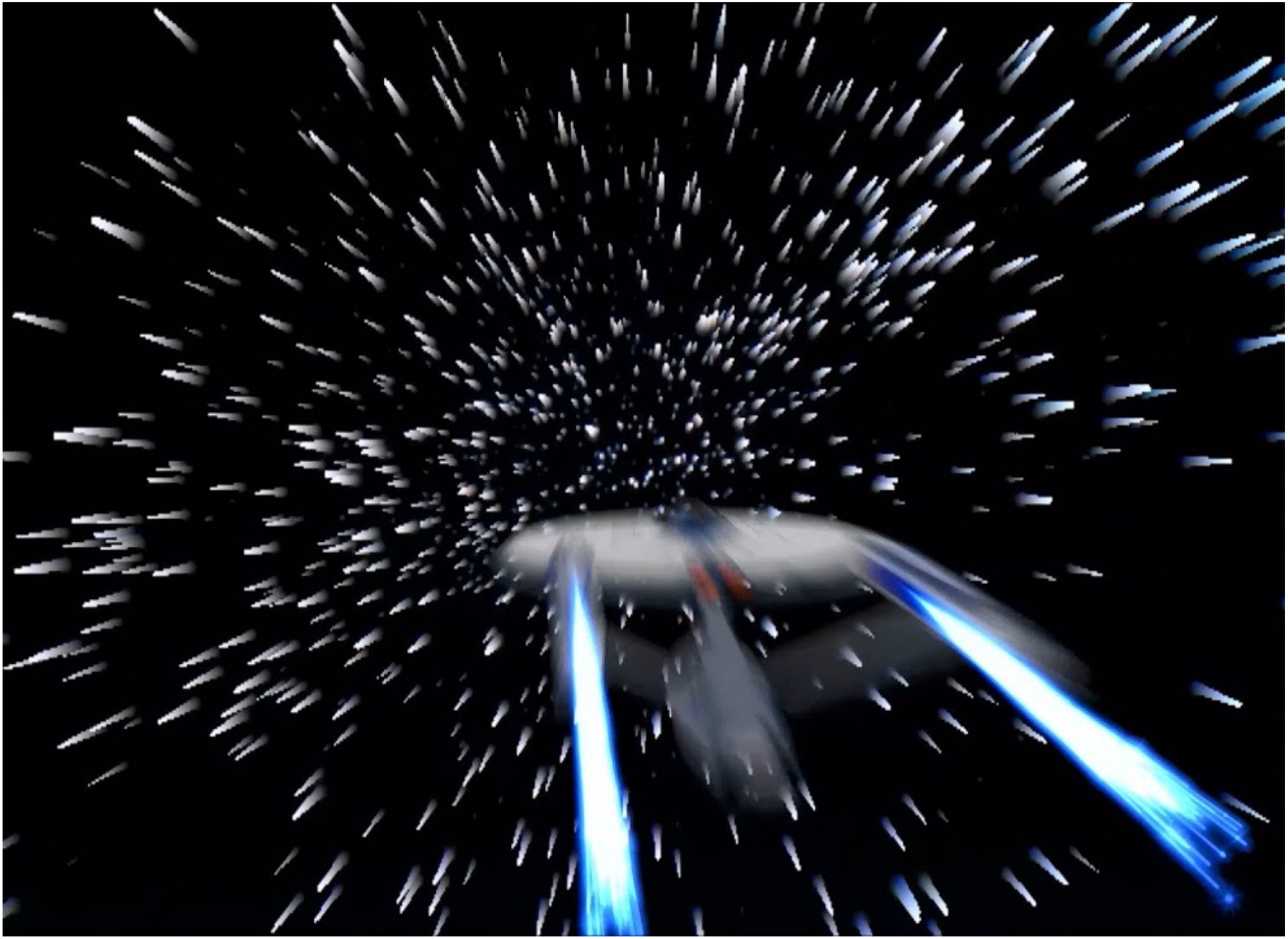
Aaron Froehlich

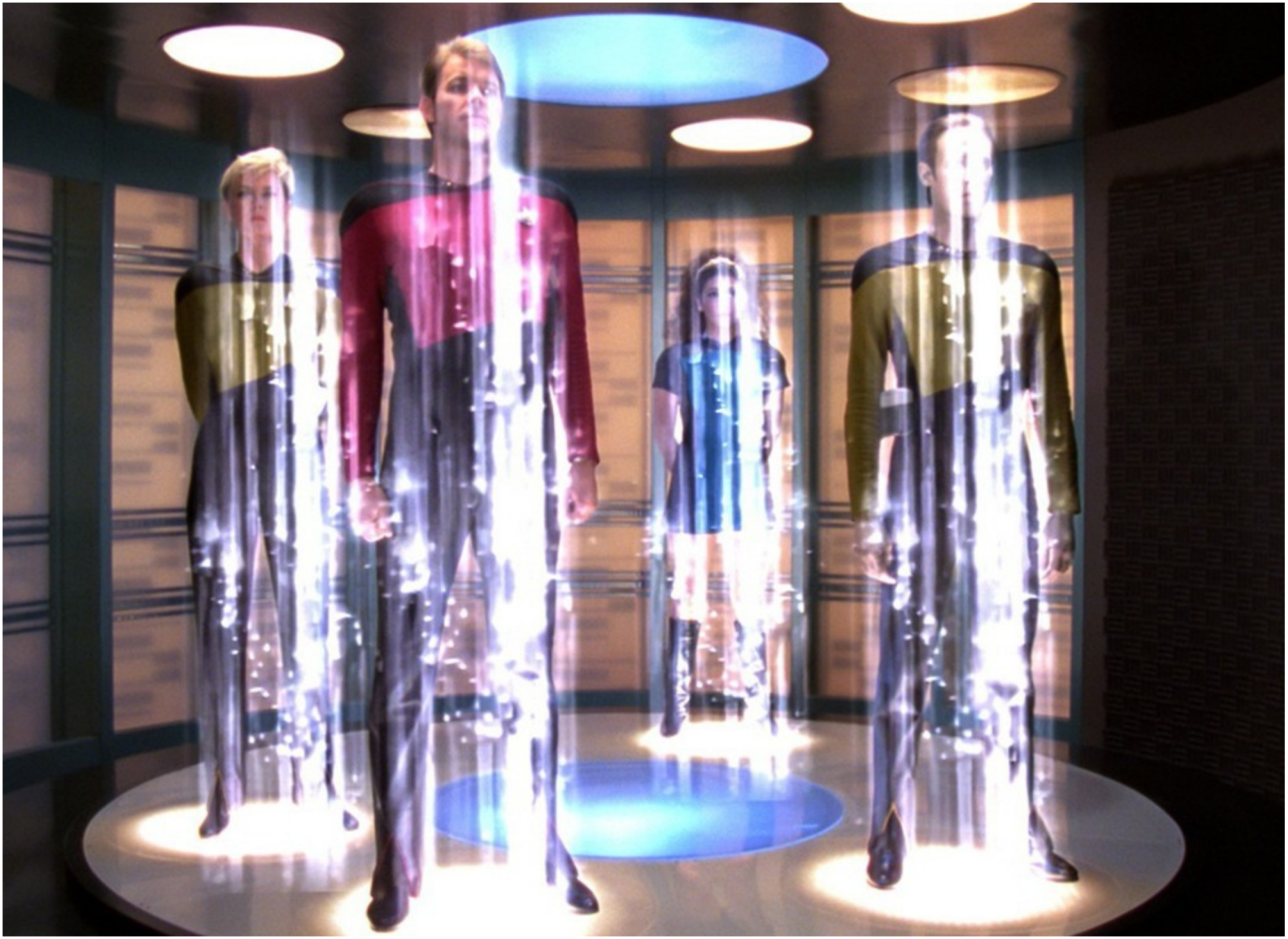
- Technical Lead, ILR School at Cornell
- a-fro (d.o)
- a-fro.com
- @aaronfroehlich
- aaronf@cornell.edu
- Husband, father, builder

Where are we going?

You are here

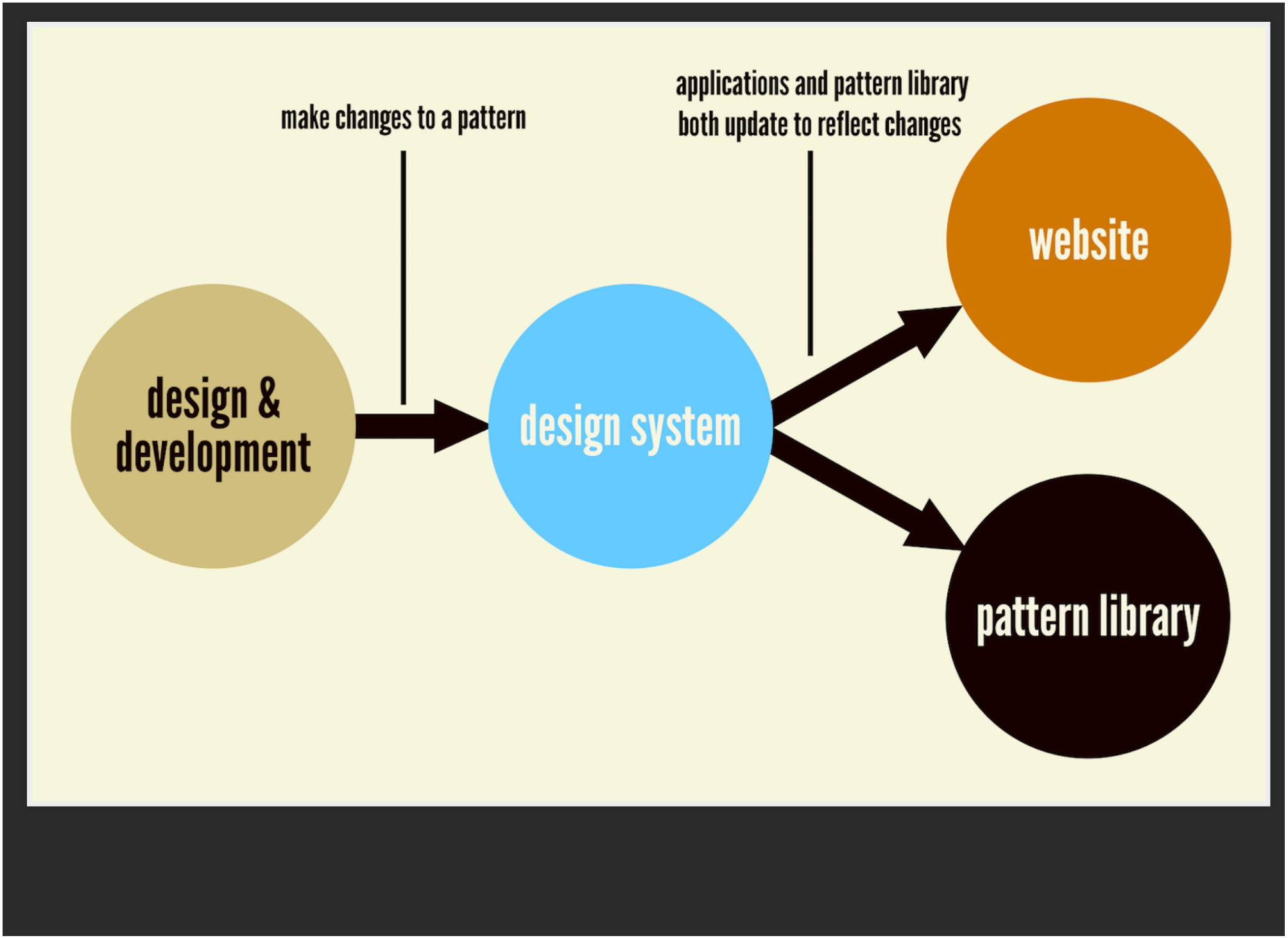
You are here.





Search for the Holy Grail

Search for the Holy Grail


make changes to a pattern
applications and pattern library
both update to reflect changes
website
design &
development
design system
pattern library

Where have we been?

YAHOO!
Search
Web Search
"We must pick ourselves up"
Yahoo! Search
Top Searches in 2008
Today's Top Searches
Popular Touch Screen Cell Phones
Marketplace

Cascading styles!

```
<title>My first web page!</title>
<style type="text/css">
  a {
    color: #ff0000;
    text-decoration: none;
    border: 1px double #ff0000;
    text-transform: uppercase;
  }
</style>


<a href="webmaster.htm">About me</a>
```

nick HD

Enter...

PHP… CMS… MVC… Templating… jQuery…

The Baker Street INQUIRER

- *The* Weblogue
- *Back* Issues
- *About* Our Paper

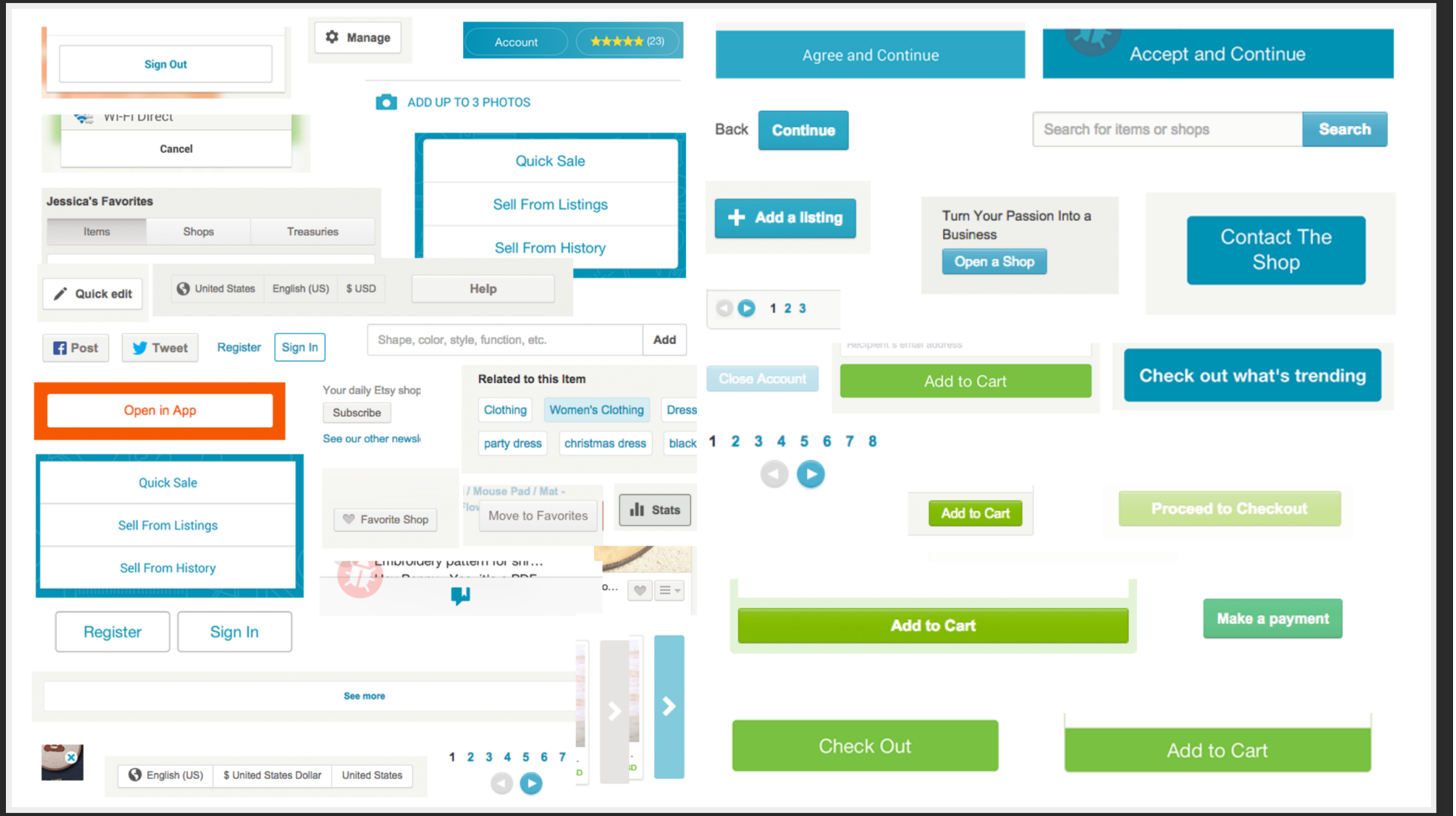
"Give me problems, give me *work*."

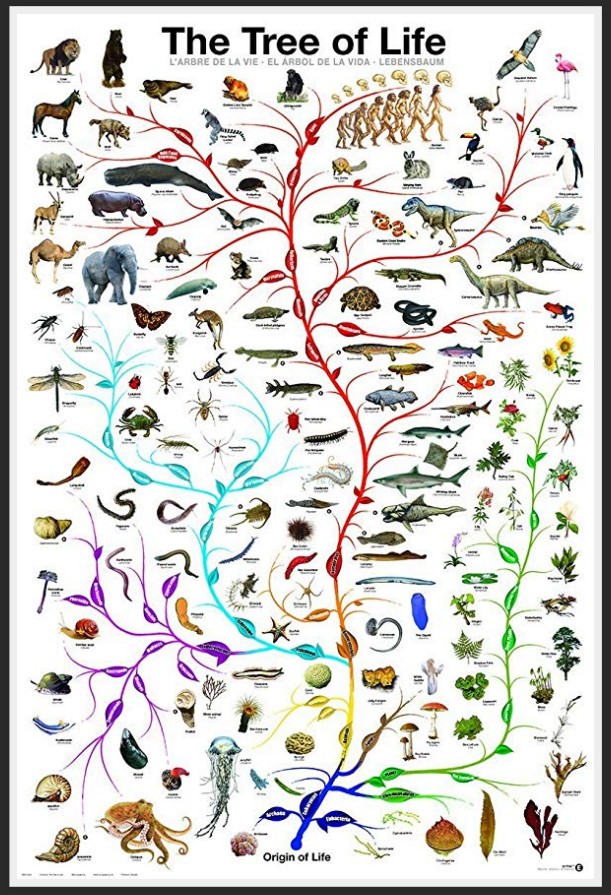
In the year 1878 I took my degree of Doctor of Medicine of the University of London, and proceeded to Netley to go through the course prescribed for surgeons in the army. Having completed my studies there, I was duly attached to the Fifth Northumberland Fusiliers as Assistant Surgeon. The regiment was stationed in India at the time, and before I could join it, the second Afghan war had broken out. On landing at Bombay, I learned that my corps had advanced through the passes, and was already deep in the enemy's country.

Victors & Villains

Responsive!

web
web
web
web
web
web
web
web
web
web
web
web


Sign Out
Manage
Account
(23)
Agree and Continue
Accept and Continue
ADD UP TO 3 PHOTOS
Cancel
Back
Continue
Search for items or shops
Search
Quick Sale
Sell From Listings
Sell From History
Jessica's Favorites
Items
Shops
Treasuries
Add a listing
Turn Your Passion Into a Business
Open a Shop
Contact The Shop
Quick edit
United States
English (US)
$ USD
Help
1 2 3
Post
Tweet
Register
Sign In
Shape, color, style, function, etc.
Add
Close Account
Add to Cart
Check out what's trending
Open in App
Your daily Etsy shop
Subscribe
See our other newsl
Related to this Item
Clothing
Women's Clothing
Dress
party dress
christmas dress
black
1 2 3 4 5 6 7 8
Quick Sale
Sell From Listings
Sell From History
Favorite Shop
Move to Favorites
Stats
Add to Cart
Proceed to Checkout
Register
Sign In
Add to Cart
Make a payment
See more
Check Out
Add to Cart
English (US)
$ United States Dollar
United States
1 2 3 4 5 6 7


The Tree of Life
L'ARBRE DE LA VIE · EL ÁRBOL DE LA VIDA · LEBENSBAUM
Origin of Life

Where are we now?

From pages..

Source

Styles

Normal

Apollo 11

Apollo 11 was the spaceflight that landed the first humans, Americans Neil Armstrong and Buzz Aldrin, on the Moon on July 20, 1969, at 20:18 UTC. Armstrong became the first to step onto the lunar surface 6 hours later on July 21 at 02:56 UTC.

Armstrong spent about ~~three and a half~~ two and a half hours outside the spacecraft, Aldrin slightly less; and together they collected 47.5 pounds (21.5 kg) of lunar material for return to Earth. A third member of the mission, Michael Collins, piloted the command spacecraft alone in lunar orbit until

body p

...to patterns

Joe Dixon
This bike has been flagged on the database as stolen.
115k
Help
Meet the team
Register your bike

...to systems

“A set of objects governed by rules.”

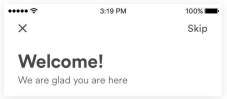
—AARON FROEHLICH

Core

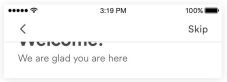
Navigation

Navigation allows users to navigate between views. The navigation is shared on every single view of the app and is important to keep consistent.

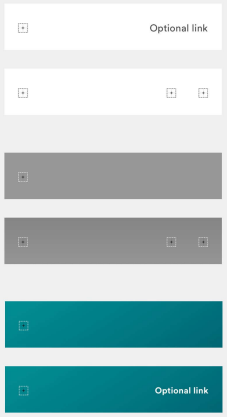
Static State
Views that use Marquees use static state that is aligned on the top of the view.



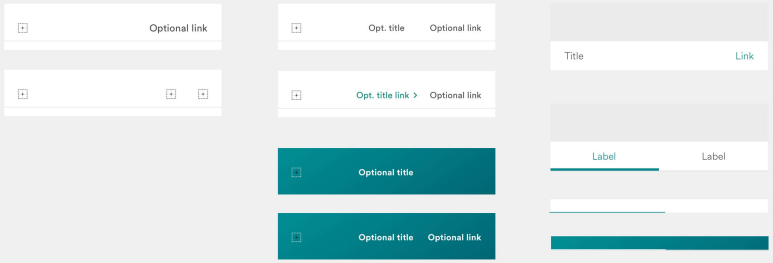
Collapsed State
When the view scrolls the nav transforms in to collapsed nav, fixes in to the top view with a shadow.



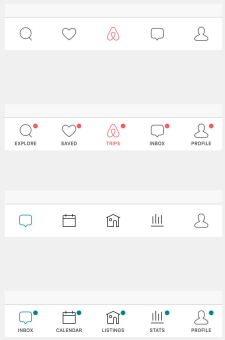
Static

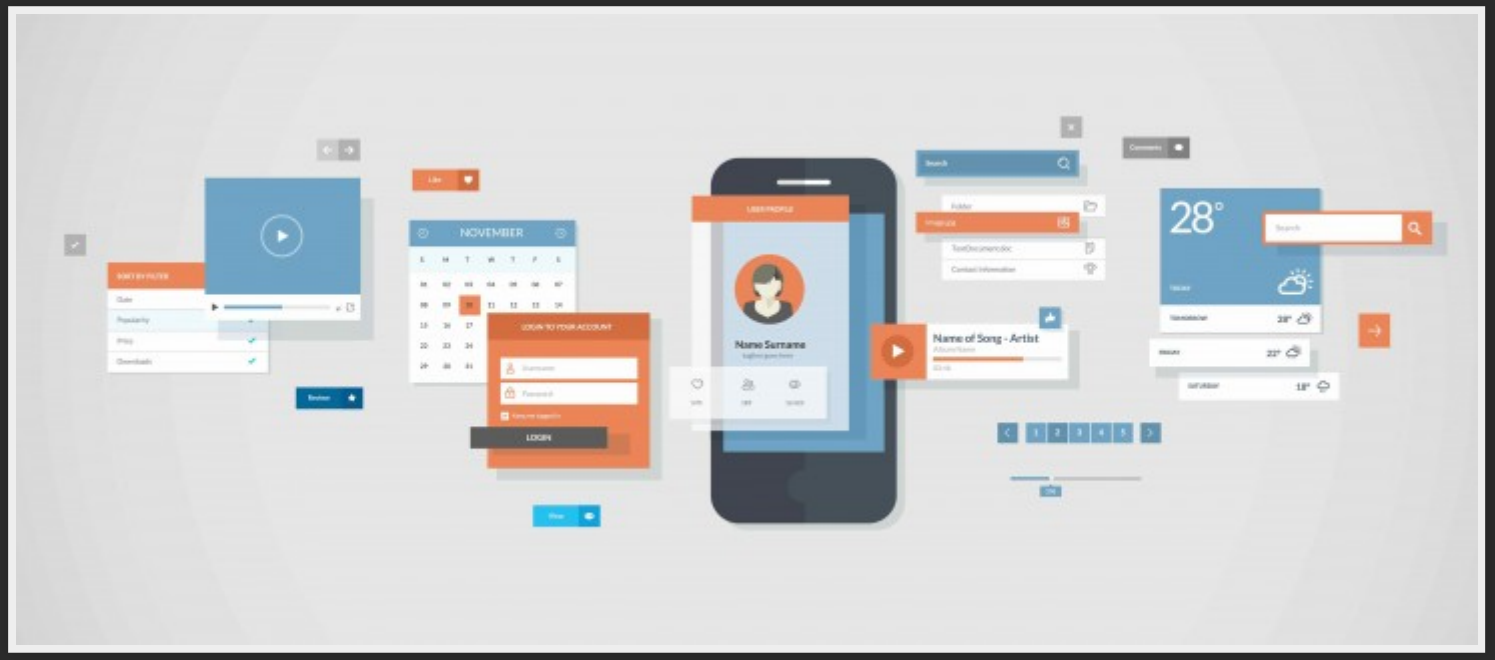


Fixed



Bottom Navigation




NOVEMBER
LOGIN
Name Surname
Name of Song - Artist
28°

ATOMS

PHOTO

XXXXXX likes

thisistheusersinstagramhandle

2h

Lorem ipsum dolor sit amet, consectetur adipisici

150 x 150

1080 x 1080

MOLECULES

Verizon 12:00 AM

PHOTO

150 x 150 thisistheusersinstagramhandle 2h

1080 x 1080

XXXXXX likes

thisistheusersinstagramhandle Lorem ipsum dolor sit amet, consectetur adipisici

ORGANISMS

Verizon 12:00 AM

PHOTO

150 x 150 thisistheusersinstagramhandle 2h

1080 x 1080

XXXXXX likes

thisistheusersinstagramhandle Lorem ipsum dolor sit amet, consectetur adipisici

TEMPLATES

Verizon 12:00 AM

PHOTO

150 x 150 thisistheusersinstagramhandle 2h

1080 x 1080

XXXXXX likes

thisistheusersinstagramhandle Lorem ipsum dolor sit amet, consectetur adipisici

PAGES

Verizon 12:00 AM

PHOTO

brad_frost 2h

41 likes

brad_frost Hi!

ATOMS MOLECULES ORGANISMS PAGES

VIEW RECIPE >

Fiery chili sauce

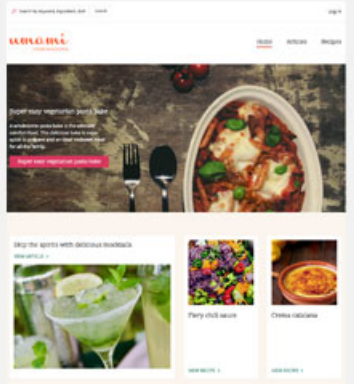
VIEW RECIPE >

Fiery chili sauce
VIEW RECIPE >

Crema catalana
VIEW RECIPE >

Thai green curry
VIEW RECIPE >

Gluten free pizza
VIEW RECIPE >



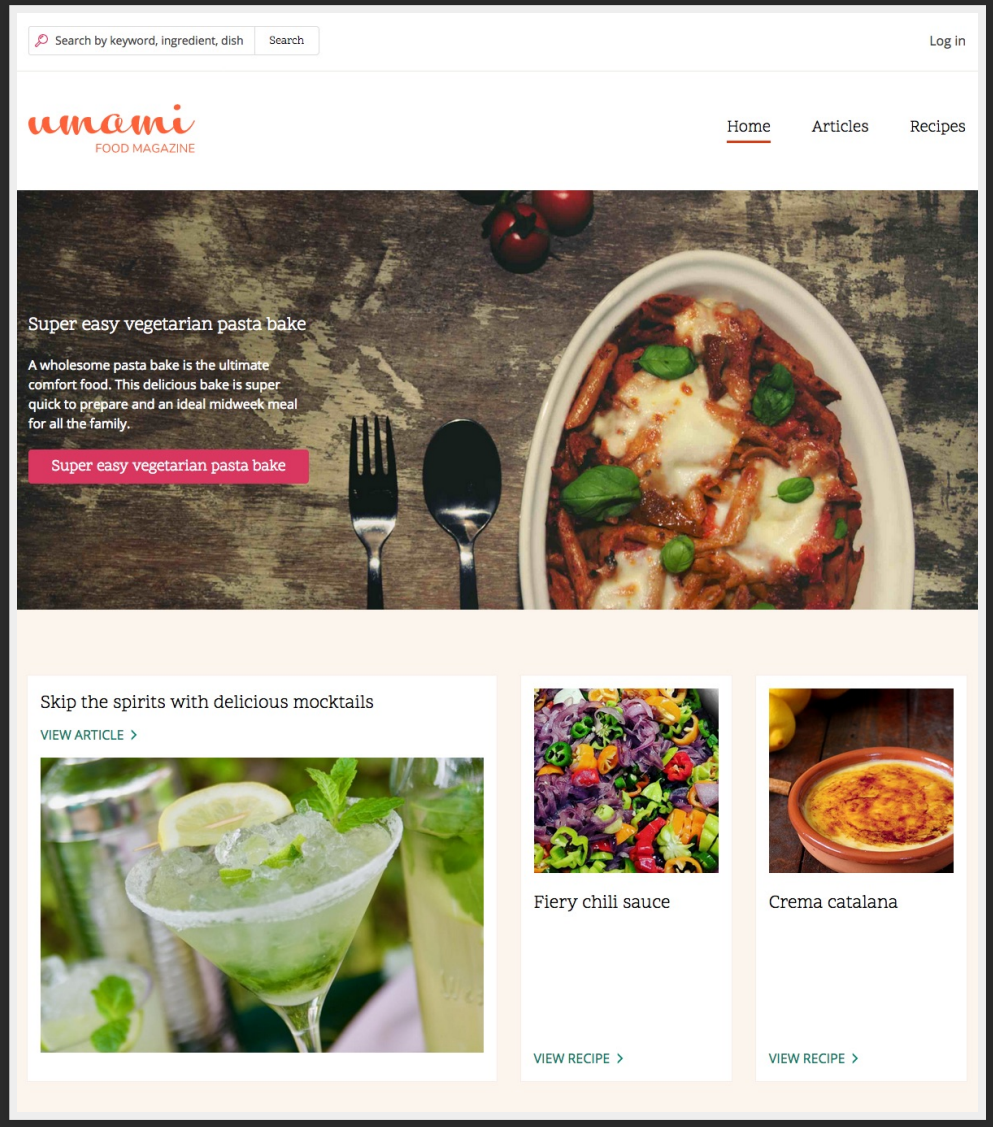
How do we solve these problems?

Existing projects - Interface inventory

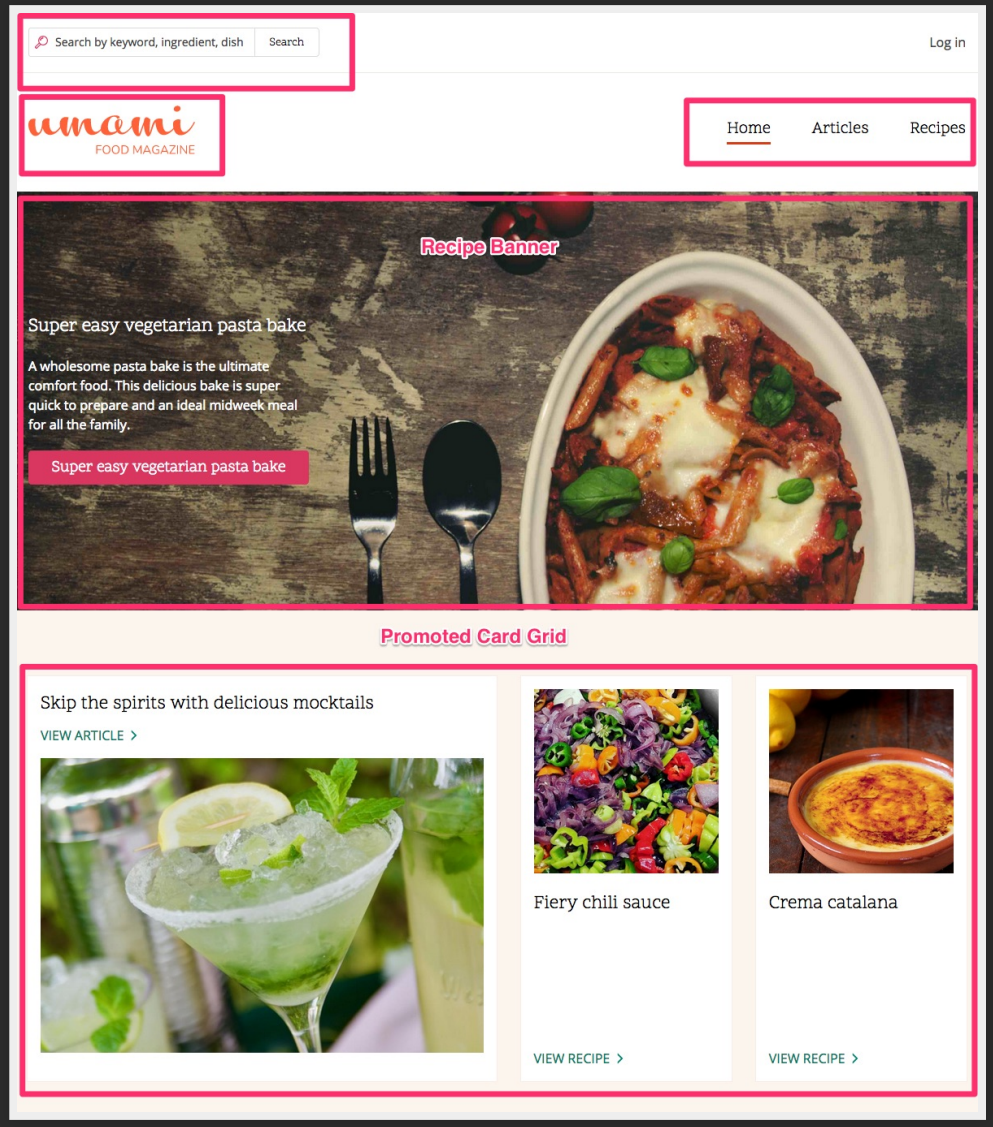
New projects - Styleguide

Demo Umami Quicktour

Umami


Search by keyword, ingredient, dish
Search
Log in
umami
FOOD MAGAZINE
Home
Articles
Recipes
Super easy vegetarian pasta bake
A wholesome pasta bake is the ultimate comfort food. This delicious bake is super quick to prepare and an ideal midweek meal for all the family.
Super easy vegetarian pasta bake
Skip the spirits with delicious mocktails
VIEW ARTICLE ›
Fiery chili sauce
VIEW RECIPE ›
Crema catalana
VIEW RECIPE ›

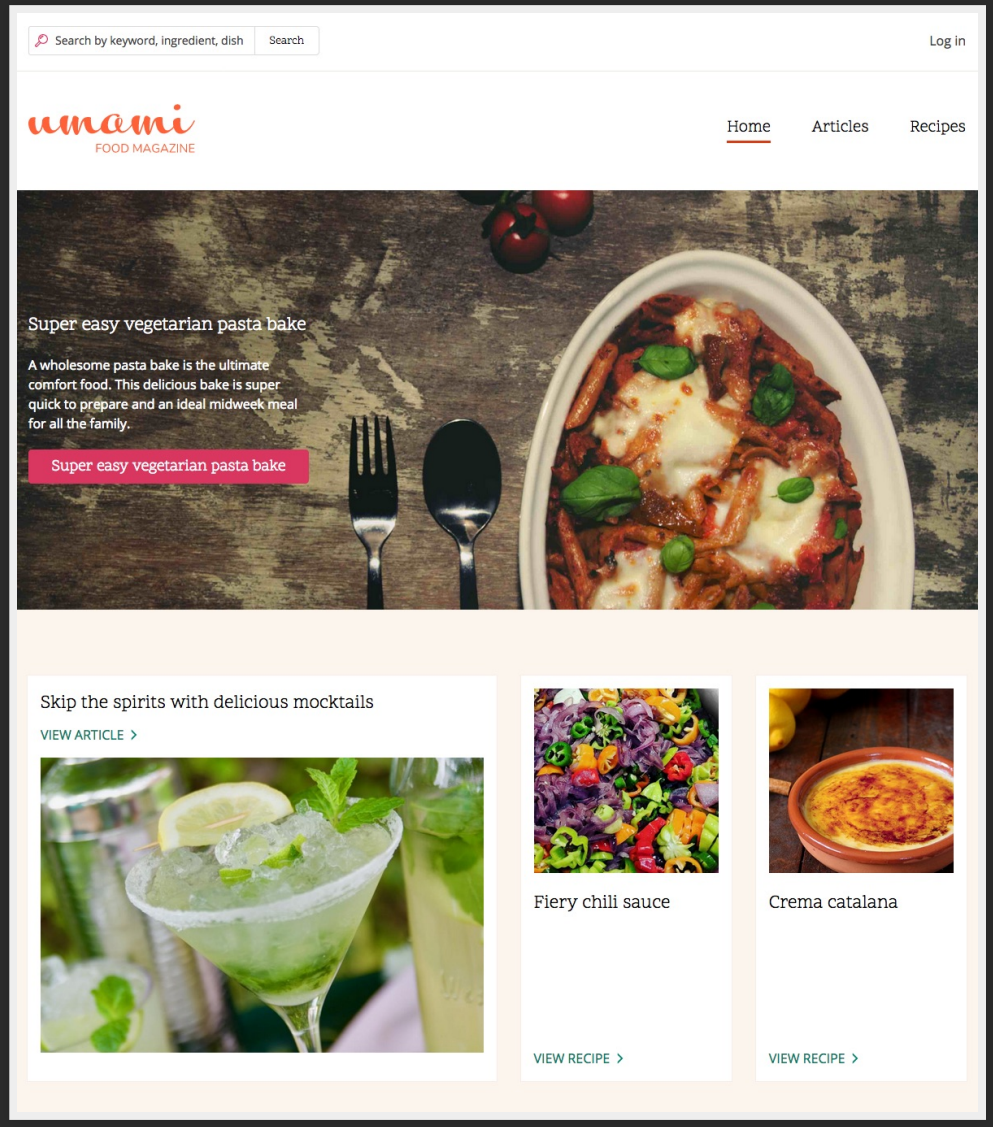
Umami


Search by keyword, ingredient, dish
Search
Log in
umami
FOOD MAGAZINE
Home
Articles
Recipes
Recipe Banner
Super easy vegetarian pasta bake
A wholesome pasta bake is the ultimate comfort food. This delicious bake is super quick to prepare and an ideal midweek meal for all the family.
Super easy vegetarian pasta bake
Promoted Card Grid
Skip the spirits with delicious mocktails
VIEW ARTICLE ›
Fiery chili sauce
VIEW RECIPE ›
Crema catalana
VIEW RECIPE ›

Enter Pattern Lab

patternlab.io

Umami Pattern Lab

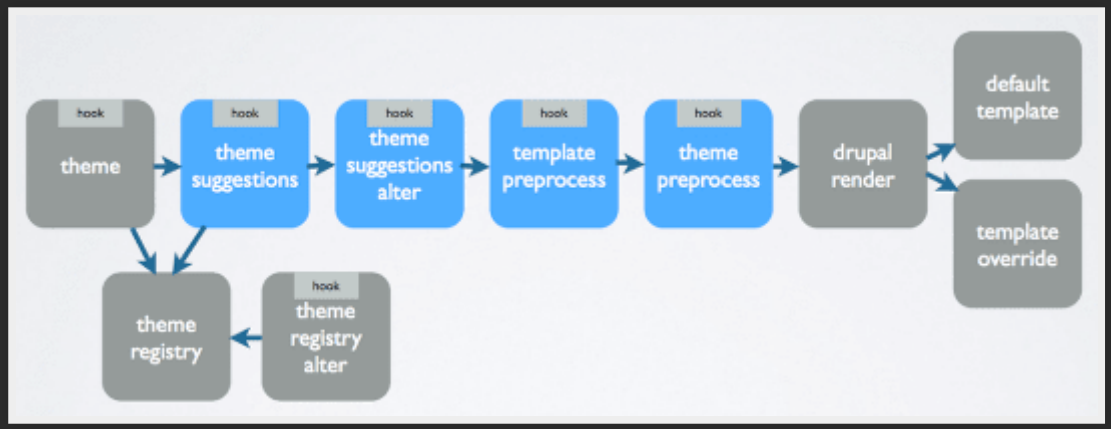


Enter Drupal

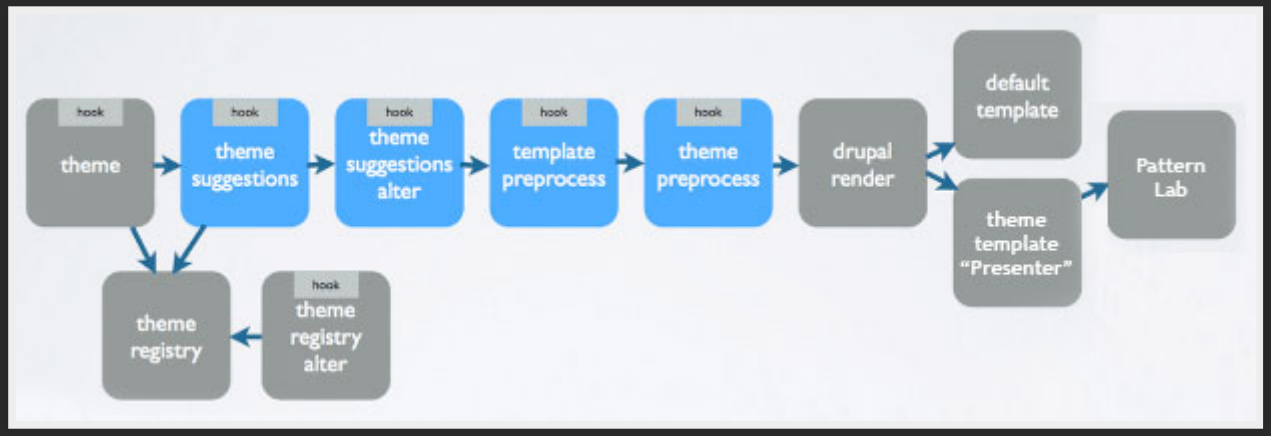
What gets rendered?

- fields
- nodes
- blocks
- views
- forms
- entities (i.e. paragraph bundles)
- layouts
- media

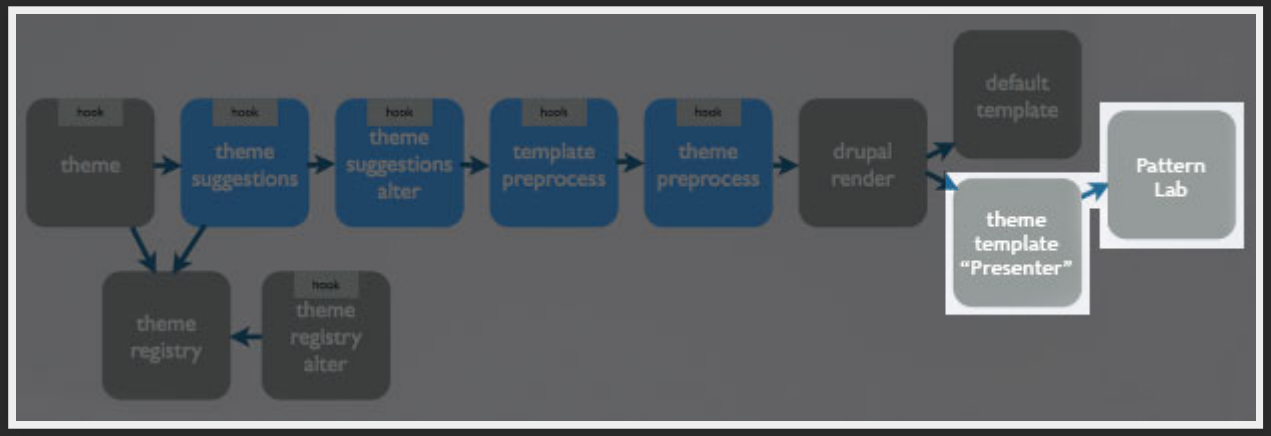
Theme Render Pipeline



Theme Render Pipeline with Pattern Lab



Theme Render Pipeline with Pattern Lab



```
<div class="recipe-banner">
  <div class="recipe-banner__wrapper">
    <div class="recipe-banner__image">
      {{ see next slide}}
    </div>
    <div class="recipe-banner__content">
      <h2 class="recipe-banner__title">{{ banner_title }}</h2>
      <div class="recipe-banner__summary">
        <p>{{ banner_summary }}</p>
      </div>
      <div class="recipe-banner__link">
        <a href="{{ banner_link_url }}" class="button">{{ banner_
      </div>
    </div>
  </div>
</div>
```

```
<div class="recipe-banner__image">
  {% if banner_img_src %}
    {% include "@atoms/04-images/00-image/responsive-image.twig" 
      "img_src": banner_img_src,
      "img_alt": banner_img_alt,
      "output_image_tag": banner_image_output_image_tag,
      "responsive_image_base_class": 'image',
    } %}
  {% endif %}
</div>
```

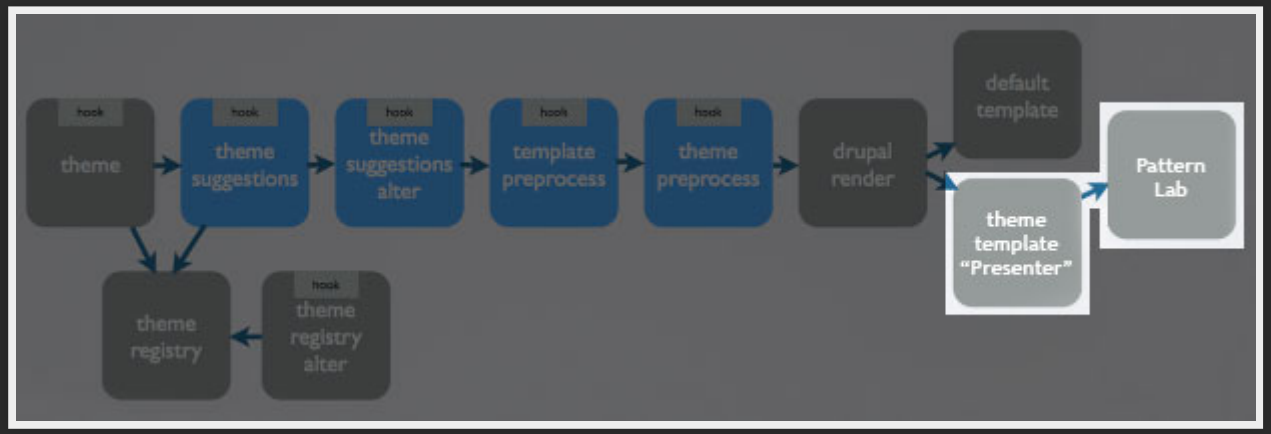
```twig
{# @see core umami theme template for block--bundle--banner-block
{% set banner_img_src
   = content.field_banner_image.0['#item'].entity.uri.value %}

{% set link = content.field_content_link|field_value[0] %}

{% include "@molecules/recipe-banner/recipe-banner.twig" with {
  "banner_image_output_image_tag": TRUE,
  "banner_img_src": banner_img_src|image_style('scale_crop_7_3_la
  "banner_img_alt": content.field_banner_image.0['#item'].alt,
  "banner_title": content.field_title|field_value,
  "banner_summary": content.field_summary|field_value,
  "banner_link_url": link['#url'],
  "banner_link_text": link['#title']
}%}
```

Where do I make my pattern again?

fields · nodes · blocks · views · forms · entities · layouts · media ·



Examples

Further Resources and Frontiers

- Drupal Twig Slack: https://drupaltwig-slack.herokuapp.com
- Emulsify.info
- Mark Conroy's blog: https://mark.ie
- My blog: a-fro.com
- Bolt Design System - PL with webcomponents

Questions?