

SITEFARM PATTERN LAB



Mark Miller

- IET Professional Services, Web Development
- → Full Stack Web Developer
- → Specialize in Frontend, Drupal, and PHP
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Want to Follow Along?

Demo

http://ucd-one-patternlab.s3-website-us-west-1.amazonaws.com/

→ Git Repo

https://bitbucket.org/ietwebdev/sitefarmpattern-lab-one

ONE DESIGN TO RULE THEM ALL





WHATIS PATTERN LAB?







⊥ download

view on github

Ø view demo

IJCDAVIS What is Pattern Lab?

- → Static site generator
- Library of components
- → Viewport resizer
- Annotation tool
- Default Data via JSON
- → Specific Page Data overrides via JSON

localhost:63342/PatternLabi620ffew620Theme/public/?p-remplates-article

THEOLOGIC PAGES ASS



SHOW THE PARTY RESIDENCE







UCDAVIS

Quick Links: 4

ABOUT US

ADMISSIONS

ACADEMICS.

RESEARCH

CAMPUS LIFE

NEWS



February 3, 2015 | UC Davis Noves | Science

Story by Author Name, video and photos by Author Name



REIGIEU STOTIES



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Top Stories

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What is Pattern Lab?

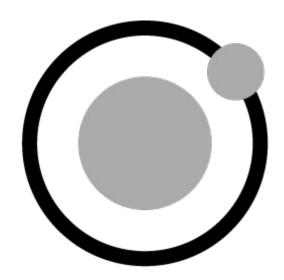
"We're not designing pages, we're designing systems of components."

- Stephen Hay



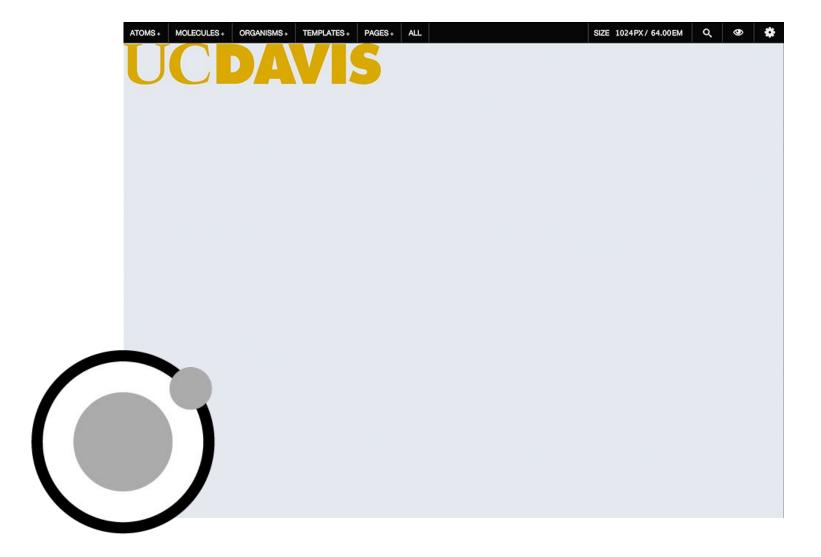
ATOMIC DESIGN METHODOLOGY

UCDAVIS Atoms



- **→** Basic tags: labels, inputs, buttons
- Elements: color palette, fonts, image styles

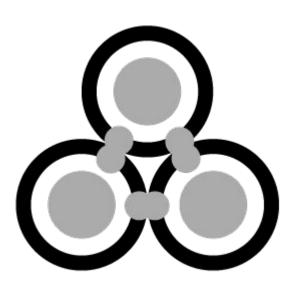
UCDAVIS Atoms: Logo



UCDAVIS Atoms: List

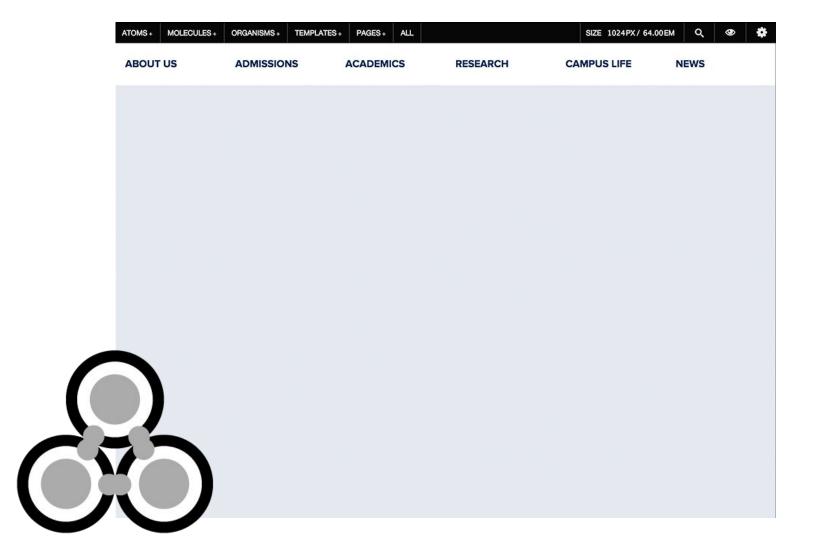


UCDAVIS Molecules

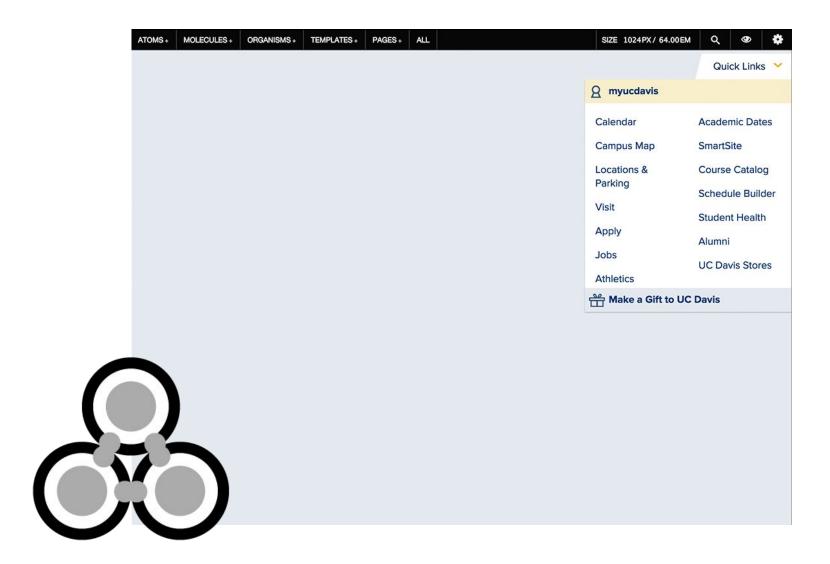


- Groups of atoms and other elements that function together as a unit
- Ex: Search Form made from label, input,& button

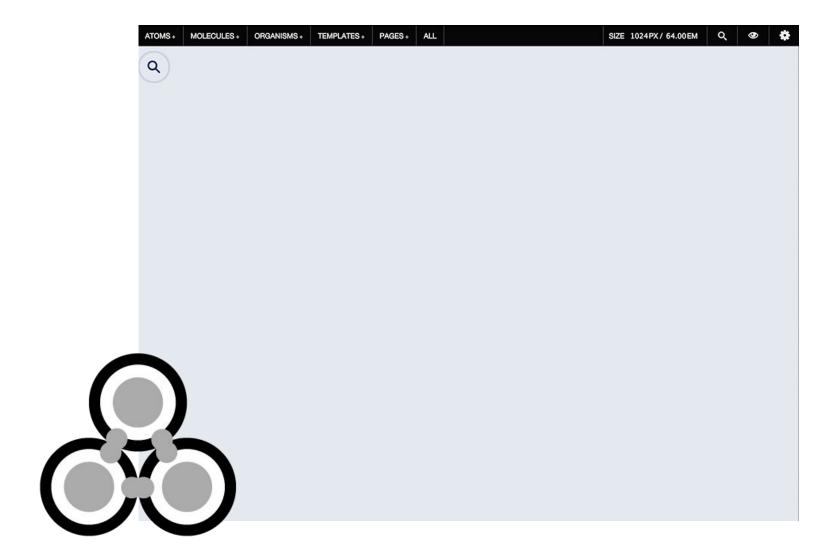
Molecules: Main Menu



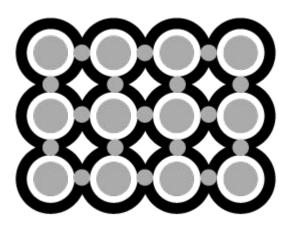
Molecules: Quick Links



Molecules: Search Popup Button

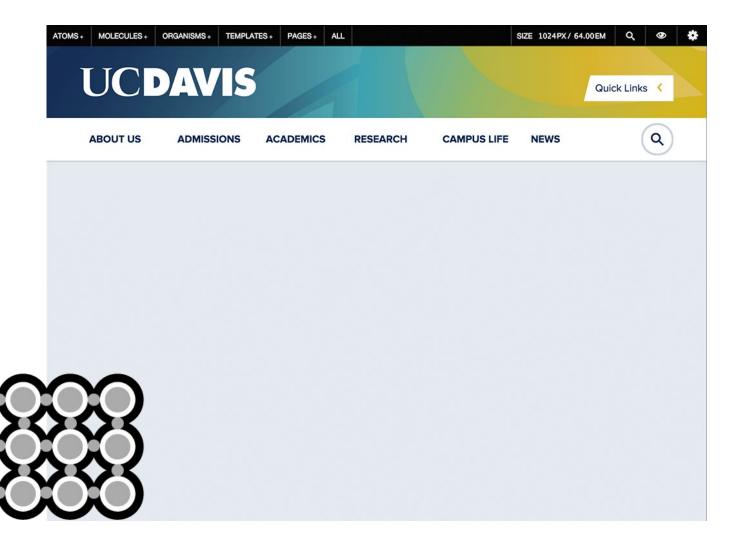


Organisms

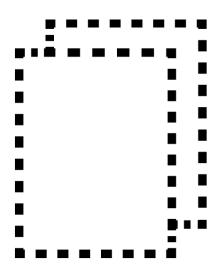


- Groups of Molecules to form distinct section of an interface
- → Ex. Header, Footer, News Feed

Organisms: Header

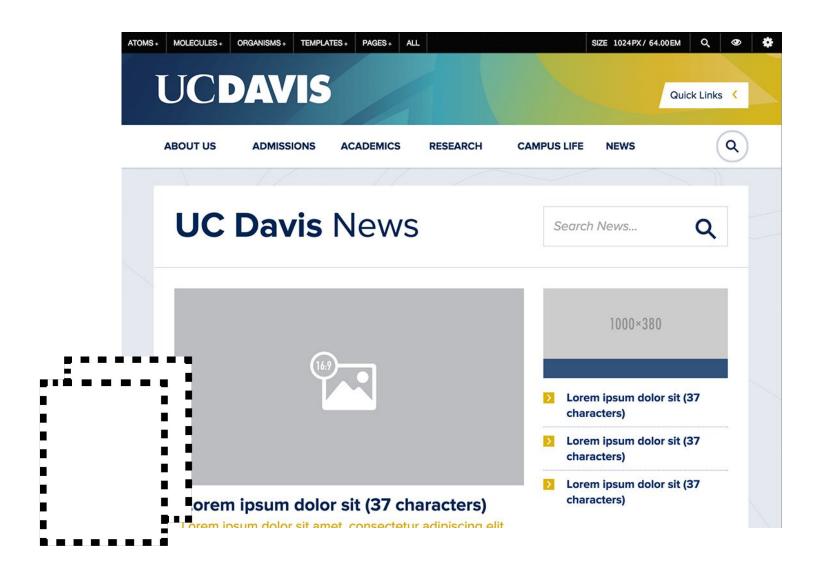


UCDAVIS Templates

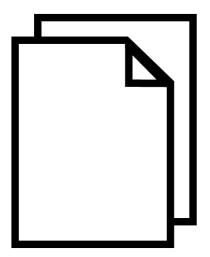


- Comprised of Organisms to form Pagelevel objects
- Lo Fidelity Wireframes

Templates: News

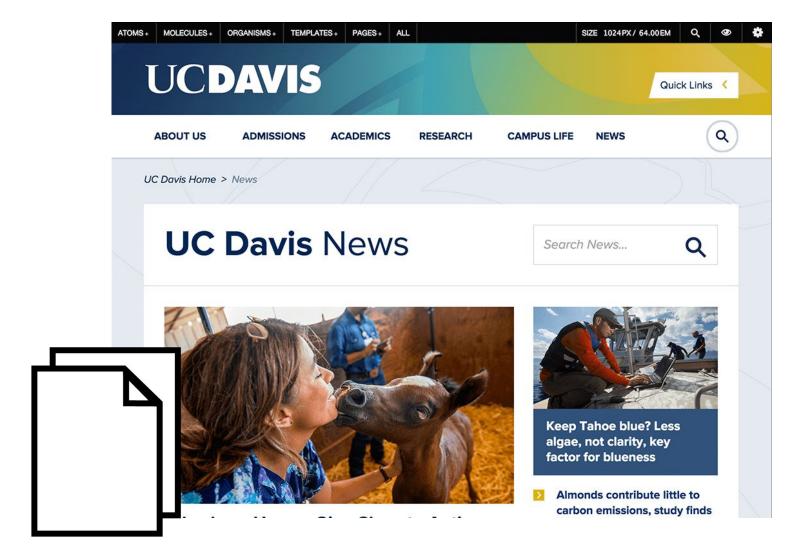


UCDAVIS Pages



- **→** Specific instances of Templates
- → Contain real content
- **→** Hi Fidelity

UCDAVIS Pages: News





STARTING PATTERN LAB

Technology Stack

- Build requires PHP and Node.js
- → NPM to manage development assets
- **→** Bower to manage browser assets
- Gulp to run tasks and builds
- → Sass to write CSS











- \$ gulp builds site and launches browsersync to watch files and reload
- → \$ gulp help list of available tasks
- → \$ gulp compile builds site, js, sass, etc
- \$ gulp validate Lints sass and js
- \$ gulp newsite uses starterkit to start export
- \$ gulp themesync exports to external site

UCDAVIS Getting Started

- → Clone Git Repo
- Read the README.md
- → \$ npm install --global gulp bower
- → \$ npm install && bower install
- → \$ gulp



INTEGRATING WITH YOUR SITE

Inject Directly into Site

- Place Pattern Lab directly into your site
- → Ex. /my_theme/pattern_lab
- /my_theme/pattern_lab/public/css/style.
 css">

Export Styles into an External Site

- Create a gulp-config--custom.yml file
- Edit the config and add a destination
- \$ gulp newsite
- Bring in new changes from Pattern Lab:
- \$ gulp themesync
- This is more brittle but allows total control

UCDAVIS Tips

- → Read the README in each directory
- gulp-config.yml is the master control
- overrides with gulp-config--custom.yml
- **→** Learn Sass & OOCSS, .I-*, .o-*, .u-*
- BEM (block, element, modifier)
 - .block
 - .block__element
 - .block--modifier
- Use singularity for custom layouts/grids
- Make your markup match mustache files