



RWD

Class 10

Overview

Layout/Media Query Assignment
(30min)

Responsive Images and SVG (45
min)

Break (5 min)

HTML Wireframes Assignment
(20 min)

HTML Wireframes Hands-On
(1 hour)



Layout/Media Query 1 Assignment

www.rwdkent.com/class/assignments/layout



Reminder: Style Tiles/ Mockups Due

www.rwdkent.com/class/assignments/style



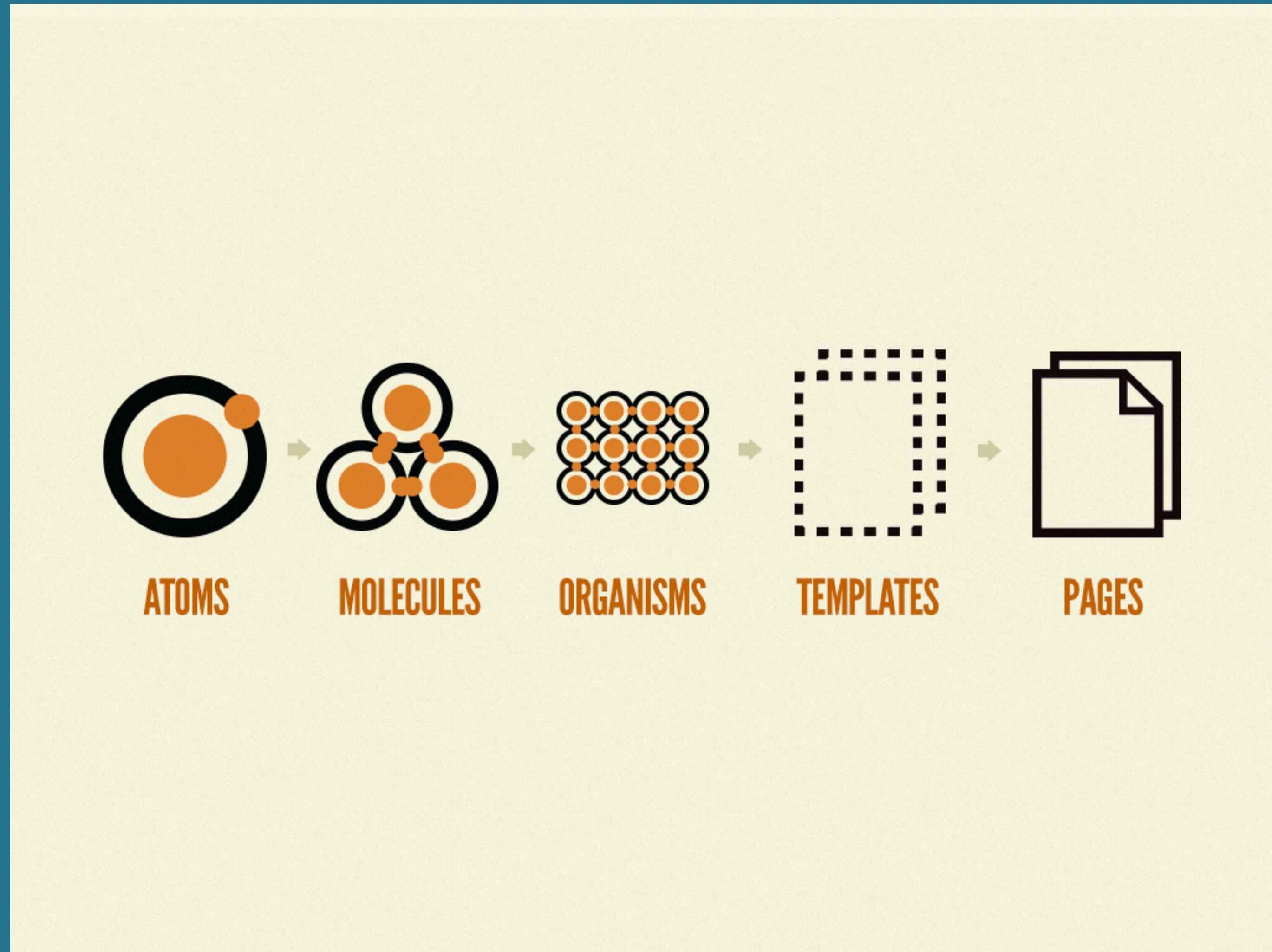
Atomic Design + Responsive Patterns



“We’re not designing pages, we’re designing
systems of components.”

Stephen Hay





What Does This Mean?



<http://bradfrost.com/blog/post/atomic-web-design/>

Atoms



SEARCH THE SITE LABEL

ENTER KEYWORD INPUT

SEARCH BUTTON

Molecules

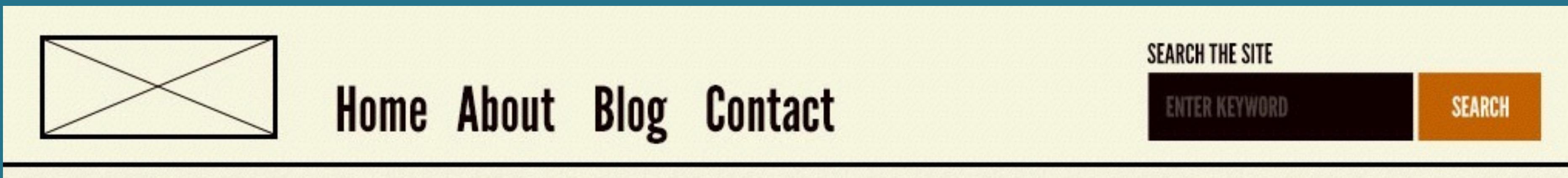


SEARCH THE SITE

ENTER KEYWORD

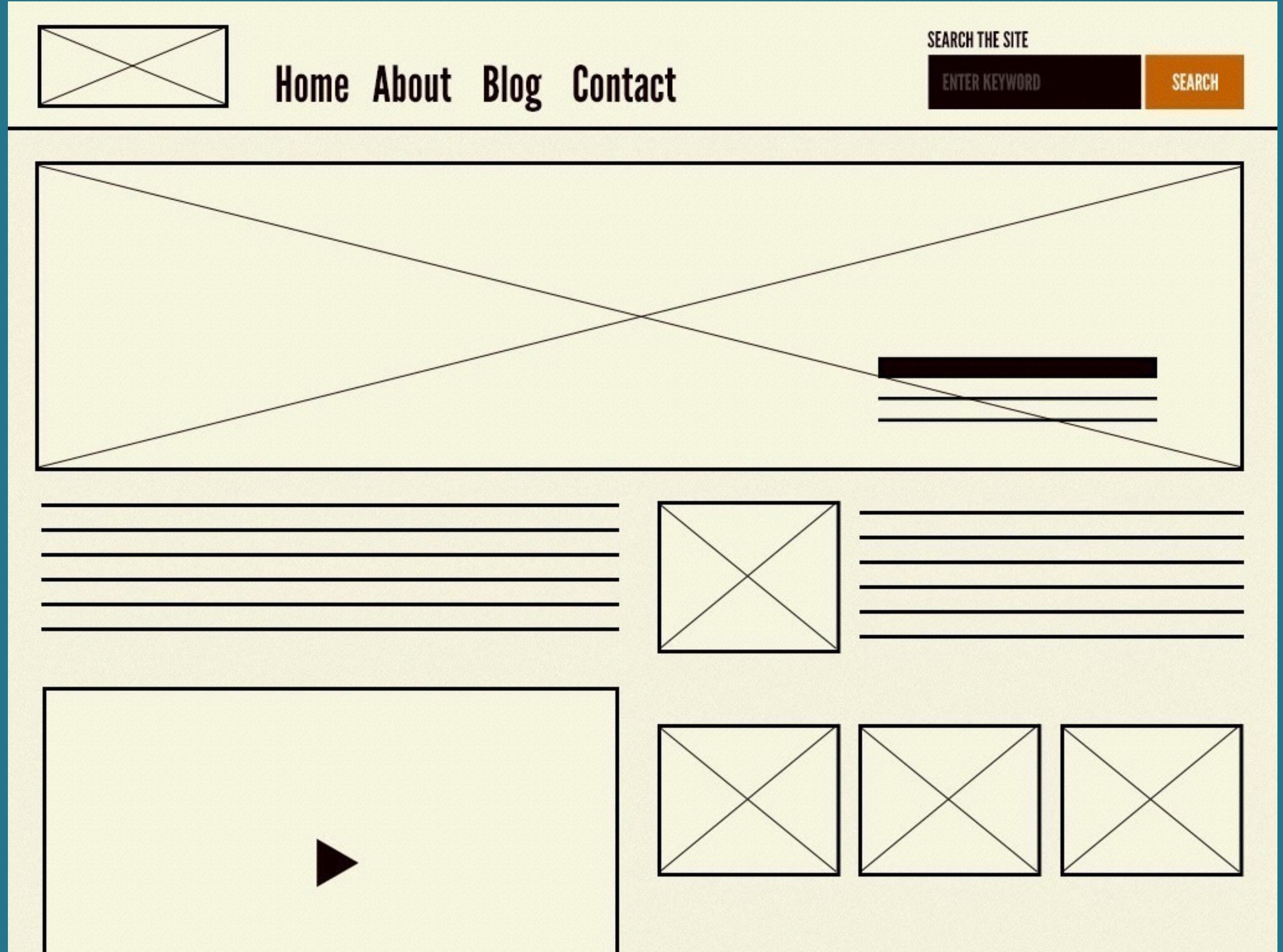
SEARCH

Organisms





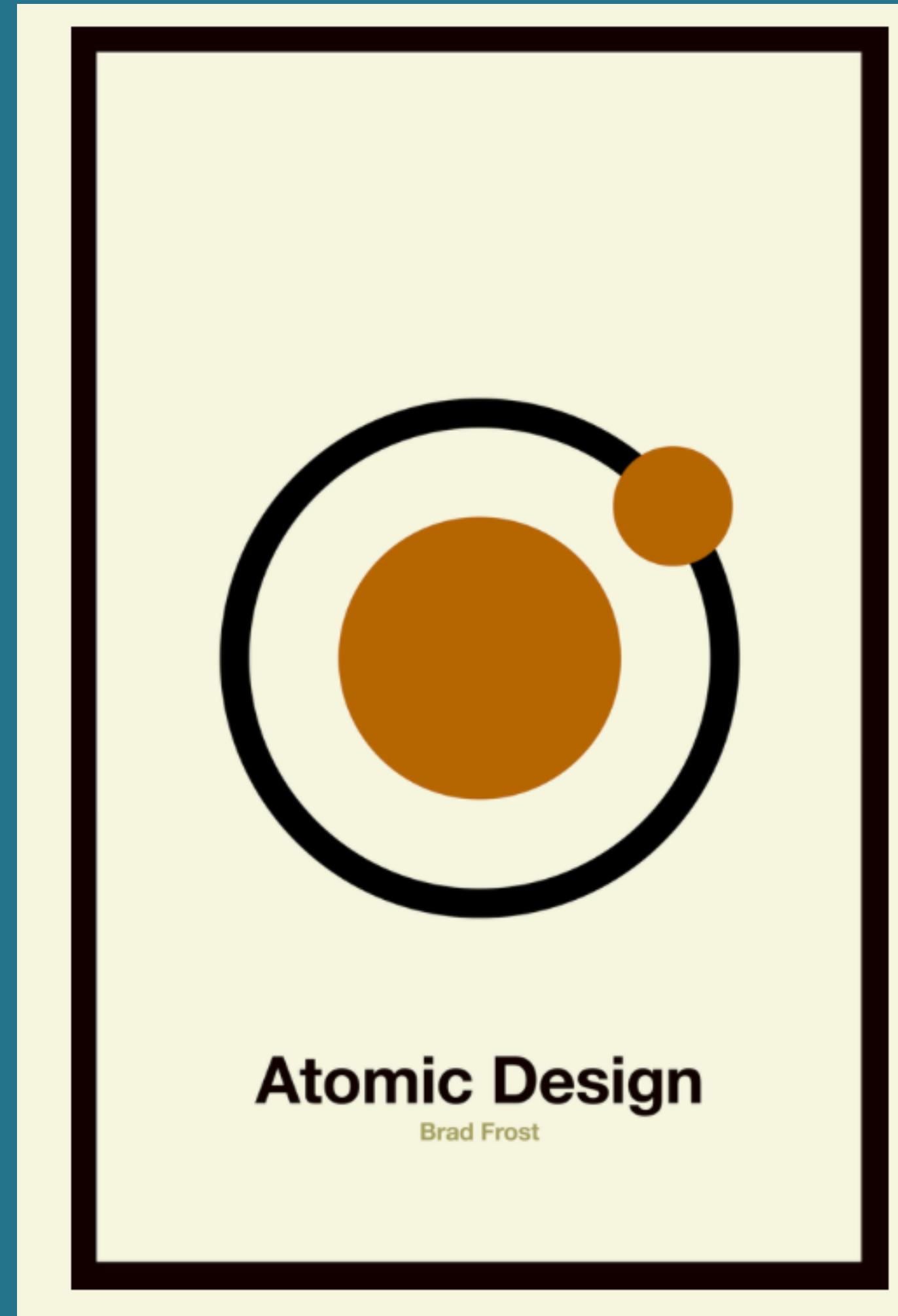
Templates



Pages

The screenshot shows a website layout with a light beige header and a light cream-colored main content area. In the top left corner of the header is a black square icon containing a white 'X' shape. To its right are the menu items: Home, About, Blog, and Contact, each in a bold, black, sans-serif font. To the right of the menu is a search bar with a black input field labeled "SEARCH THE SITE" and a dark orange button labeled "SEARCH". Below the header is a large, scenic photograph of a rugged mountain range under a clear blue sky. On the right side of this image, the text "This Is Real Content." is displayed in a bold, black, sans-serif font, followed by three horizontal lines. The main content area below the image contains several sections of placeholder text represented by horizontal lines. In the bottom left corner of this area is a circular "vimeo STAFF PICK" badge. To the right of the badge are four smaller images: a climber on a rocky outcrop, a snowy mountain landscape, a collection of climbing gear (carabiners and ropes), and a climber on a large rock formation at sunset.





Responsive Deliverables

Dave Rupert



“Tiny Bootstraps, for
Every Client”

Dave Rupert



The screenshot shows the Microsoft homepage with a teal header bar containing the Microsoft logo and navigation links: Products, Downloads, Support, Security, and Shop. A search bar with a magnifying glass icon is on the right. Below the header is a large image of an HTC smartphone displaying its home screen with various app tiles. To the left of the phone is a blue box with the Windows Phone logo and the text "Design the next great app for Windows Phone" followed by a "Get the SDK" button.

Discover

- Windows
- Office
- Surface
- Windows Phone
- Xbox
- Skype
- Bing

For home for work

- Check out the revolutionary covers designed for Surface. [Shop now](#)
- Work and play harder with Windows 8. Get the upgrade today.
- See which web search results you really like. Take the Bing It On challenge.

Downloads

- Windows
- Office
- Internet Explorer

Security & updates

- Microsoft Update
- Microsoft Security Essentials
- Windows Service Pack Center

Support

- Windows help and how-to
- Office
- [Find more support](#)

Follow us

- [Facebook](#)
- [Twitter](#)
- [News Center](#)

Rx for an ailing healthcare system
March 4, 2013 - Microsoft showcases comprehensive IT solutions at this week's HMSS conference in New Orleans.

Other Microsoft sites

- Windows
- Office
- Surface
- Windows Phone
- Xbox
- Skype
- Bing
- Microsoft Store

Downloads

- [Download Center](#)
- [Windows downloads](#)
- [Office downloads](#)

Support

- [Support home](#)
- [Knowledge base](#)

Security

- [Security home](#)
- [Microsoft Security Essentials](#)

About

- [Microsoft](#)
- [Careers](#)
- [Company News](#)
- [Investor relations](#)
- [Site map](#)

Popular resources

- [Windows 8](#)
- [PC and Laptops](#)
- [Tablet and Computers](#)
- [Windows Phone smartphones](#)
- [Windows Phone apps and games](#)
- [Microsoft computer security](#)
- [Malware removal tool](#)
- [Microsoft Dynamics CRM Online](#)

United States - English

Contact us Privacy & Cookies Terms of use Trademarks © 2013 Microsoft



Responsive Images & SVG



SVG =
Scaleable Vector Graphic



```
ai13625054892.txt
<?xml version="1.0" encoding="utf-8"?>
<!-- Generator: Adobe Illustrator 16.0.4, SVG Export Plug-In . SVG Version: 6.00 Build 0
-->
<!DOCTYPE svg PUBLIC "-//W3C//DTD SVG 1.1//EN" "http://www.w3.org/Graphics/SVG/1.1/DTD/
svg11.dtd">
<svg version="1.1" id="Layer_1" xmlns="http://www.w3.org/2000/svg" xmlns:xlink="http://
www.w3.org/1999/xlink" x="0px" y="0px"
      width="612px" height="502.174px" viewBox="0 65.326 612 502.174" enable-
background="new 0 65.326 612 502.174"
      xml:space="preserve">
<ellipse fill="#C6C6C6" cx="283.5" cy="487.5" rx="259" ry="80"/>
<path id="bird"
d="M210.333,65.331C104.367,66.105-12.349,150.637,1.056,276.449c4.303,40.393,18.533,63.704,
52.171,79.03
c36.307,16.544,57.022,54.556,50.406,112.954c-9.935,4.88-17.405,11.031-19.132,20.015c7.531-
0.17,14.943-0.312,22.59,4.341
c20.333,12.375,31.296,27.363,42.979,51.72c1.714,3.572,8.192,2.849,8.312-3.078c0.17-8.467-1
.856-17.454-5.226-26.933
c-2.955-8.313,3.059-7.985,6.917-6.106c6.399,3.115,16.334,9.43,30.39,13.098c5.392,1.407,5.9
95-3.877,5.224-6.991
c-1.864-7.522-11.009-10.862-24.519-19.229c-4.82-2.984-0.927-9.736,5.168-8.351l20.234,2.415
c3.359,0.763,4.555-6.114,0.882-7.875
c-14.198-6.804-28.897-10.098-53.864-7.799c-11.617-29.265-29.811-61.617-15.674-81.681c12.63
9-17.938,31.216-20.74,39.147,43.489
```



SVG Demo

<http://codepen.io/challahan/pen/OywabP?editors=110>



‘Mo Images, ‘Mo Problems

What's the problem with images?





Responsive Images Community Group

<https://responsiveimages.org>



<Picture> Element

Multiple images at different crop sizes
(aka “Art Direction”)

<https://responsiveimages.org/demos/basic-implementation/index.html>



Srcset

Same image at different resolutions

<http://codepen.io/martinwolf/pen/hFxyj/>



Responsive Images WordPress Plugin

<https://wordpress.org/plugins/ricg-responsive-images/>



HTML Wireframes





KENT STATE UNIVERSITY

Kent State Student Crowned Miss Ohio 2013 [Read Full Story](#)

1 2 3 4 5 6

Information For ... ▾

Future Students
Current Students
International Students
Parents
Faculty/Staff
Alumni
 Governor Appoints Student to Kent State Board of Trustees
 Porthouse Theatre Closes Summer Season With "Fiddler on the..."

[read more](#)

Explore KSU Admissions
A wealth of learning opportunities

Apply Online [Search Majors and Degrees](#)
[Take a Tour](#) [Summer Classes](#)

Caption Here

What to do at KSU

JUL. 24, 2013 SEP. 8, 2013
Campus Tour Jessica Holcomb, saxophone

AUG. 16, 2013 OCT. 5, 2013
BSN Summer Convocation Homecoming 2013

[See All Events](#)

As a top Ohio undergraduate and graduate school, Kent State's eight campuses offer the resources of a large university with the friendly atmosphere of a liberal arts college. Enroll today to start pursuing your future at one of the best colleges in Ohio. We've been educating graduates for over 100 years; join us today.

KENT STATE UNIVERSITY

Kent State Student Crowned Miss Ohio 2013 [Read Full Story](#)

○ ○ ○ ○ ○

News & Announcements ▾

Explore KSU Admissions
A wealth of learning opportunities

Apply Online [Search Majors and Degrees](#)
[Take a Tour](#) [Summer Classes](#)

Caption Here

Caption Here

What to do at KSU

JUL. 24, 2013 SEP. 8, 2013
Campus Tour Jessica Holcomb, saxophone

AUG. 16, 2013 OCT. 5, 2013
BSN Summer Convocation Homecoming 2013

[See All Events](#)

Information For ...

Future Students	Parents & Families
Current Students	Faculty & Staff
International Students	Alumni & Friends

As a top Ohio undergraduate and graduate school, Kent State's eight campuses offer the resources of a large university with the friendly atmosphere of a liberal arts college. Enroll today to start pursuing your future at one of the best colleges in Ohio. We've been educating graduates for over 100 years; join us today.

Copyright 2013 Kent State University Kent, Ohio 44242 Phone: 330-672-3000

What Are Some Problems with Static Wireframes?



**HTML Wireframes show
the structure of a web
page in the browser.**



“You start out with a big slab of rock, and slowly chip away to get the rough shape of the form you’re creating. You take another pass at it to get a better sense of the object you’re trying to extract from the stone. You take another pass to start getting a bit more detailed. Eventually, you start honing in on a particular aspect of the form: a face, the arms, or the torso. Slowly but surely you detail each section of the sculpture until you’ve arrived at the final form.”

Brad Frost, HTML Wireframes





Nav Nav Nav Nav

 Search 

Pro

Produce

Programs

Produce to People

Community SNAP

Farm Stand

Summer Food

Commodity Supplement

Nutrition

Agency Relations

Educational

Donate Form
Contact information
Footer navigation
Social media links



Programs □ Get Help Get Involved □ About □ Resources □ News Events Contact Donate



A member of Feeding America

Get Help > Give Help >

Programs

About

Resources

News

Events

Contact

Donate

Search

Program Details

Produce to People provides lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer fringilla sem a urna porttitor fringilla. Nulla eget justo felis.

Programs

Produce to People

Community Harvest

SNAP

Farm Stand Project

Summer Food

Commodity

Supplemental Food

Program

Nutrition

Agency Relations

Educational Programs

A block quote from a written document.

Programs

Produce to People

Community Harvest

SNAP

Farm Stand Project

Summer Food

Commodity

Supplemental Food

Program

Nutrition

Agency Relations

Educational Programs

A block quote from a written document.



A member of Feeding America

Get Help > Give Help >

Programs

About

Resources

News

Events

Contact

Donate

Search

Program Detail Page

Produce to People provides lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer fringilla sem a urna porttitor fringilla. Nulla eget justo felis.

Programs

Produce to People

Community Harvest

SNAP

Produce to People provides lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer fringilla sem a urna porttitor fringilla. Nulla eget justo felis.

Aliquam erat volutpat. Mauris vulputate scelerisque feugiat. Cras a erat a diam venenatis aliquam. Sed tempus, purus ac pretium varius.

Heading Level 2

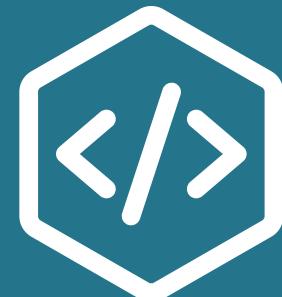
Produce to Stories

This Is the Post
January 12

This Is Also a Post
January 20

HTML Wireframe Hands-On

www.rwdkent.com/class/assignments/wireframes



Layout/Media Query 2 Assignment

www.rwdkent.com/class/assignments/layout



For Next Class

Responsive Web Design - Ch. 5 Becoming Responsive

Fast Enough by Tim Kadlec

Understanding Progressive Enhancement by Aaron Gustafson

Layout/Media Queries 2 Assignment

