



# RWD

## Class 9

# Overview

**Mid-Semester Survey (Available for 1 Week - Oct. 26)**

**Style Tiles Show/Tell (1 hour)**

**Break (5 min)**

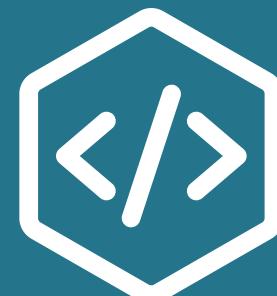
**CSS Boxes, Images & Layout (20 min)**

**Mobile First (15 min)**

**CSS 2 Assignment (10 min)**

**CSS 2 Hands On (30 min)**

**CSS Box Model Video (25 min)**



# Mid-Semester Survey

[www.rwdkent.com/class/survey](http://www.rwdkent.com/class/survey)



# Style Tiles Show and Tell

<http://rwdkent.com/class/assignments/style/>



# CSS Boxes, Layout and Images



# Everything On Page Is a Box



# Box Width/Height

```
div {  
  height: 300px;  
  width: 400px;  
  background-color: #ee3e80;}
```

```
p {  
  height: 75%;  
  width: 75%;  
  background-color: #e1ddda;}
```

The Moog company pioneered the commercial manufacture of modular voltage-controlled analog synthesizer systems in the early 1950s.



# Min/Max Width/Height

```
td.description {  
    min-width: 450px;  
    max-width: 650px;  
    text-align: left;  
    padding: 5px;  
    margin: 0px; }
```

Photo	Description	Price
	The Rhodes piano is an electro-mechanical piano, invented by Harold Rhodes during the fifties and later manufactured in a number of models, first in collaboration with Fender and after 1965 by CBS. It employs a piano-like keyboard with hammers that hit small metal tines, amplified by electromagnetic pickups.	\$1400
	The Wurlitzer electric piano is an electro-mechanical piano, created by the Rudolph Wurlitzer Company of Mississippi. The Wurlitzer company itself never called the instrument an "electric piano", instead inventing the phrase "Electronic Piano" and using this as a trademark throughout the production of the instrument. It employs a piano-like keyboard with hammers that hit small metal tines, amplified by electromagnetic pickups.	\$1600
	A Clavinet is an electronically amplified clavichord manufactured by the Hohner company. Each key uses a rubber tip to perform a hammer on a string. Its distinctive bright staccato sound is often compared to that of an electric guitar. Various models were produced over the years, including the models I, II, L, C, D6, and E7.	\$1200



# Overflow

```
p.one {  
  overflow: hidden;}  
  
p.two {  
  overflow: scroll;}
```

## Fender Stratocaster

The Fender Stratocaster or "Strat" is one of the most popular electric guitars of all time, and its design has been copied by many guitar makers.

## Gibson Les Paul

The Gibson Les Paul is a solid body electric guitar that was first sold in 1952. The Les Paul was designed by



# Border/Padding/Margin



BORDER    MARGIN    PADDING



**Moog**

Moog synthesizers were created by Dr. Robert Moog under the company name Moog Music. Popular models include Moog Modular, Minimoog, Micromoog, Moog Rogue, and Moog Source

**Arp**

ARP Instruments Inc. was set up by Alan Peralman, and was the main competitor for Moog during the 1970's. Popular models include the Arp 2600 and the ARP Odyssey.

**Sequential Circuits**

Sequential Circuits Inc was founded by Dave Smith, and the company was pivotal in the creation of MIDI. Famous models include the Prophet 5, Prophet 600, and Pro-One.

**Moog**

Moog synthesizers were created by Dr. Robert Moog under the company name Moog Music. Popular models include Moog Modular, Minimoog, Micromoog, Moog Rogue, and Moog Source

**Arp**

ARP Instruments Inc. was set up by Alan Peralman, and was the main competitor for Moog during the 1970's. Popular models include the Arp 2600 and the

**Sequential Circuits**

Sequential Circuits Inc was founded by Dave Smith, and the company was pivotal in the creation of MIDI. Famous models include the Prophet 5, Prophet 600, and Pro-One.



# Borders

```
p {  
width: 250px;  
border: 3px dotted #0088dd; }
```

Here is a simple chord sequence  
played on a Hammond organ  
through a Leslie speaker.



# Padding

```
p {  
width: 275px;  
border: 2px solid #0088dd;}
```

```
p.example {  
padding: 10px;}
```

Analog synths produce a wave sound, whereas the sounds stored on a digital synth have been sampled and then turned into numbers.

Analog synths produce a wave sound, whereas the sounds stored on a digital synth have been sampled and then turned into numbers.



# Margin

```
p {  
    width: 200px;  
    border: 2px solid #0088dd;  
    padding: 10px;}
```

```
p.example {  
    margin: 20px;}
```

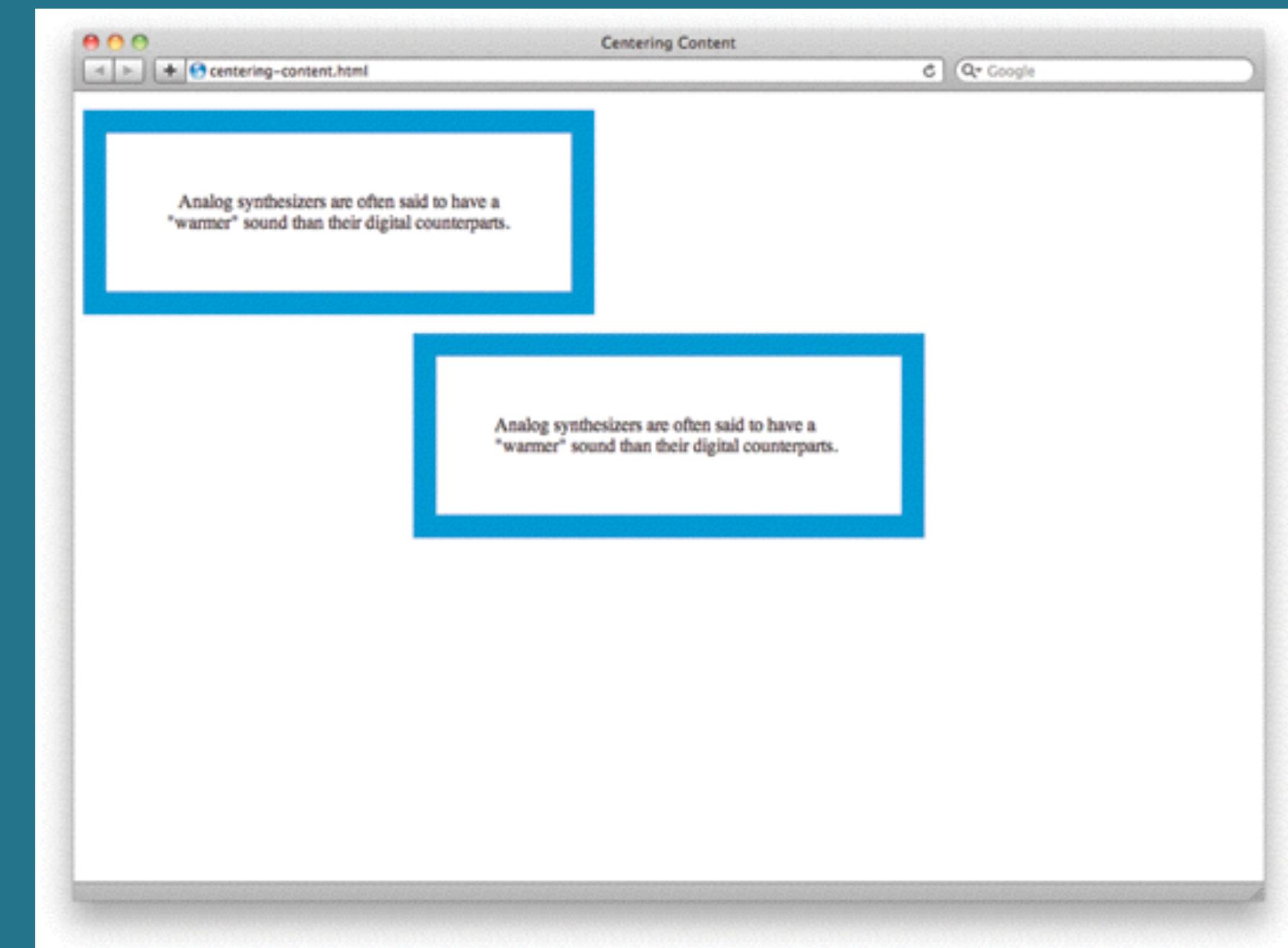
Analog synthesizers are often said to have a "warmer" sound than their digital counterparts.

Analog synthesizers are often said to have a "warmer" sound than their digital counterparts.



# Centering Content

```
body {  
    text-align: center; }  
  
p {  
    width: 300px;  
    padding: 50px;  
    border: 20px solid #0088dd; }  
  
p.example {  
    margin: 10px auto 10px auto;  
    text-align: left; }
```



# Inline/Block Display

```
li {  
  display: inline;  
  margin-right: 10px;}
```

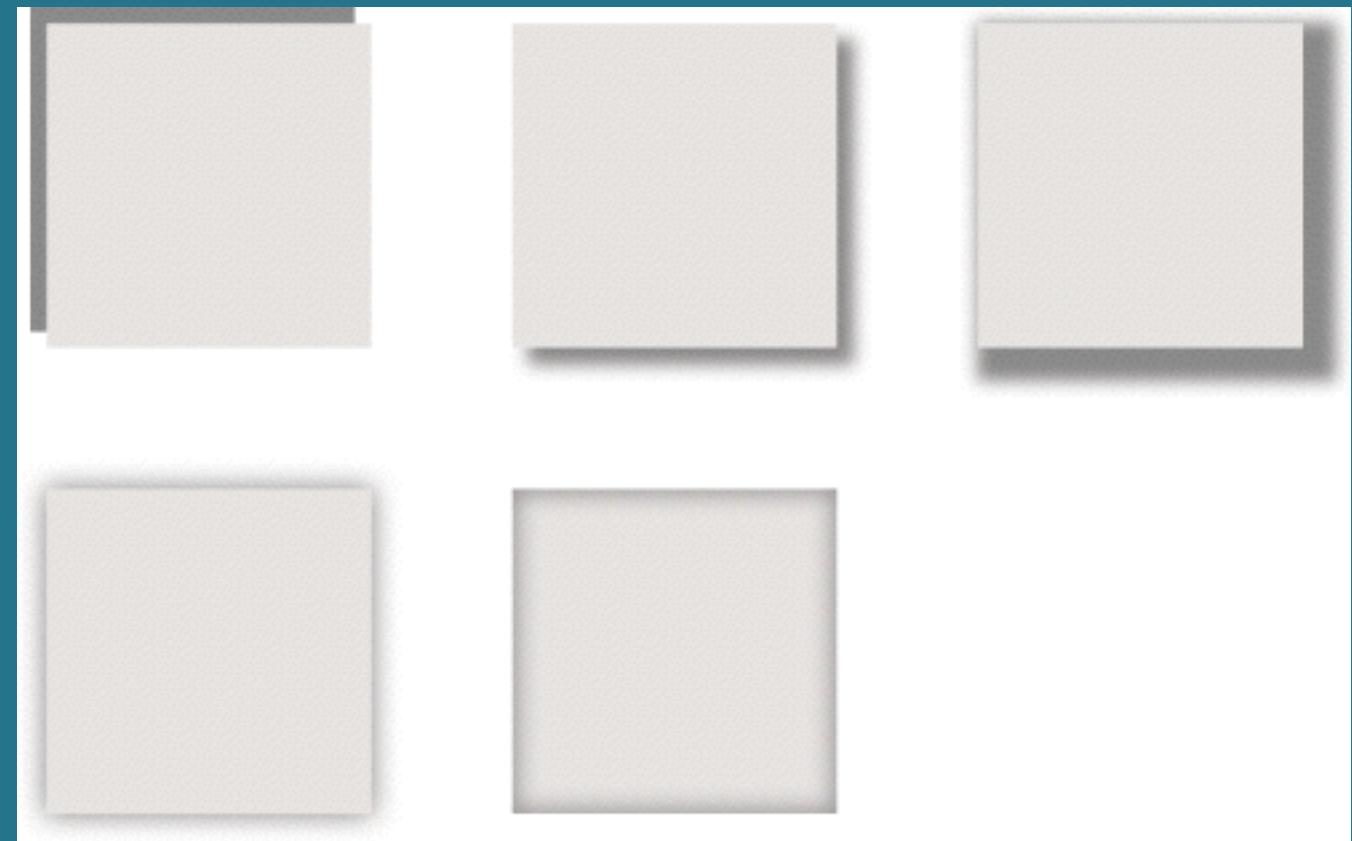
```
li.coming-soon {  
  display: none;}
```

Home Products About Contact



# Box Shadow

```
p.one {  
  box-shadow: -5px -5px #777777; }  
p.two {  
  box-shadow: 5px 5px 5px #777777; }  
p.three {  
  box-shadow: 5px 5px 5px 5px #777777; }  
p.four {  
  box-shadow: 0 0 10px #777777; }  
p.five {  
  box-shadow: inset 0 0 10px #777777; }
```



# Rounded Corners

```
p {  
border: 5px solid #ee3e80;  
padding: 20px;  
width: 275px;  
border-radius: 10px;}
```

Pet Sounds featured a number of unconventional instruments such as bicycle bells, buzzing organs, harpsichords, flutes, Electro-Theremin, dog whistles, trains, Hawaiian-sounding string instruments, Coca-Cola cans and barking dogs.



# Building Blocks

## BLOCK LEVEL

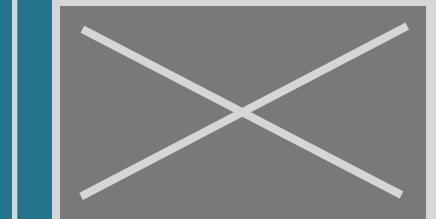
### Lorem Ipsum

  Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam sodales pretium ipsum. Etiam ut enim augue. Etiam mi tortor, pulvinar at dictum faucibus, mollis eget nunc. Morbi justo velit, rutrum vel placerat in, adipiscing vitae sapien.

- Duis in erat neque.
- Pellentesque habitant morbi
- Praesent ac condimentum neque

## INLINE

*Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam sodales pretium ipsum. Etiam ut enim augue. Etiam mi tortor, pulvinar at dictum faucibus, mollis eget nunc. Morbi justo velit, rutrum vel placerat in, adipiscing vitae sapien.*



Suspendisse potenti. Duis in erat neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas.



# Containing Elements



# Positioning

# NORMAL FLOW

#

**Etiam ut enim augue. Etiam mi tortor, pulvinar at dictum faucibus, mollis eget nunc.**

Morbi justo velit, rutrum vel placerat in, adipiscing vitae sapien. Vivamus sit amet lacus enim, vel scelerisque justo. Nunc dignissim vehicula urna ac porta. Suspendisse potenti.

Praesent nisi dolor, ornare quis sodales id, lacinia ut mauris.



# Positioning

```
p.example {  
    position: relative;  
    top: 10px;  
    left: 100px; }
```

# RELATIVE POSITIONING

**Etiam ut enim augue. Etiam mi tortor, pulvinar at dictum faucibus, mollis eget nunc.**

Morbi justo velit, rutrum vel placerat in, adipiscing vitae sapien. Vivamus sit amet lacus enim, vel scelerisque justo. Nunc dignissim vehicula urna ac porta. Suspendisse potenti.

Praesent nisi dolor, ornare quis sodales id, lacinia ut  
mauris.



# Positioning

```
h1 {  
    position: absolute;  
    top: 0px;  
    left: 500px;  
    width: 250px; }  
  
p {  
    width: 450px; }
```

# ABSOLUTE POSITIONING

# **Lorem Ipsum**

**Etiam** ut enim augue. Etiam mi tortor, pulvinar at dictum faucibus, mollis eget nunc.

Morbi justo velit, rutrum vel placerat in, adipiscing vitae sapien. Vivamus sit amet lacus enim, vel scelerisque justo. Nunc dignissim vehicula urna ac porta. Suspendisse potenti.

Praesent nisi dolor, ornare quis sodales id, lacinia ut mauris.



# Positioning

```
h1 {  
    position: fixed;  
    top: 25%;  
    left: 0px;  
    padding: 10px;  
    margin: 0px;  
    width: 100%;  
    background-color: #efefef; }  
  
p.example {  
    margin-top: 100px; }
```

## FIXED POSITIONING

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam sodales pretium ipsum. Etiam ut enim augue. Etiam dictum faucibus, mollis eget nunc.

**Lorem ipsum**

Morbi justo velit, rutrum vel placerat in, adipiscing vitae sapien. Vivamus sit amet lacus enim, vel scelerisque justo. Nunc dignissim vehicula urna ac porta. Suspendisse potenti.

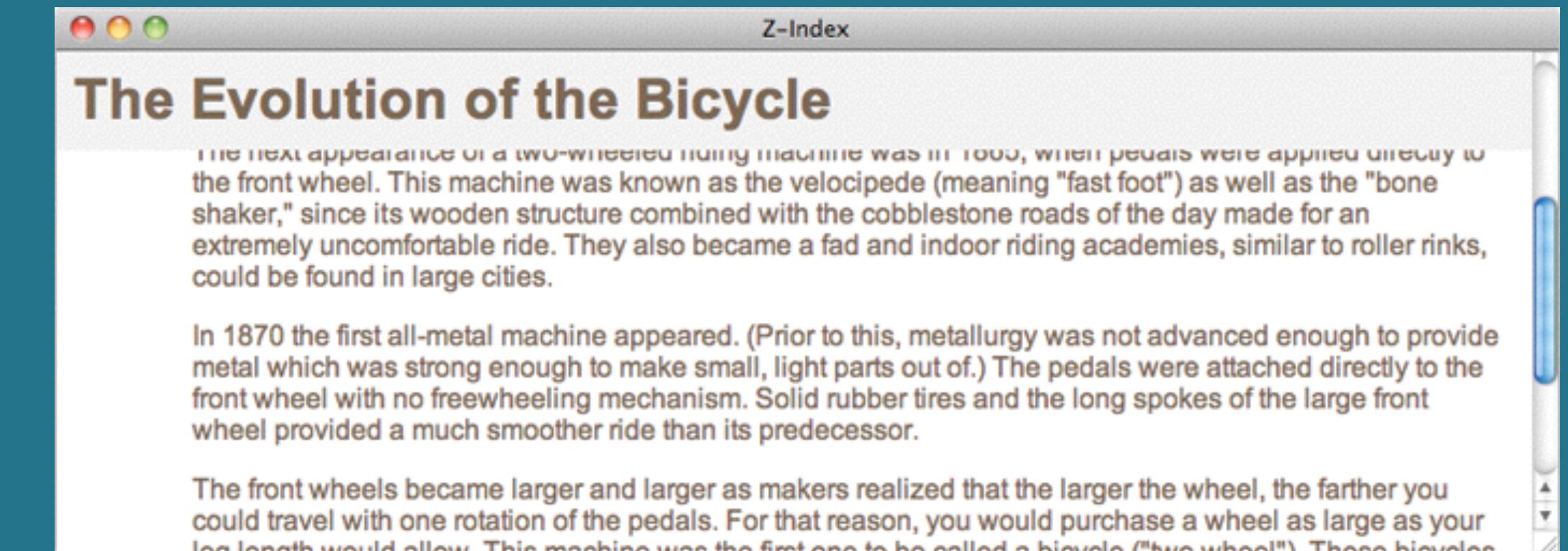
Praesent nisi dolor, ornare quis sodales id, lacinia ut mauris.



# Z-Index

```
h1 {  
    position: fixed;  
    top: 0px; left: 0px;  
    margin: 0px; padding: 10px;  
    width: 100%;  
    background-color: #efefef;  
    z-index: 10;}
```

```
p {  
    position: relative; top: 70px;  
    left: 70px;}
```



# Positioning

```
img {  
  float: left;  
  width: 50px;  
}
```

## FLOATING ELEMENTS

  Lorem  
  Ipsum

  Lorem ipsum dolor sit amet,  
  consectetur adipiscing elit. Nullam  
  sodales pretium ipsum. Etiam ut enim  
  augue. Etiam mi tortor, pulvinar at  
  dictum faucibus, mollis eget nunc.

  Morbi justo velit, rutrum vel placerat in, adipiscing  
  vitae sapien. Vivamus sit amet lacus enim, vel  
  scelerisque justo. Nunc dignissim vehicula urna ac  
  porta. Suspendisse potenti.

  Praesent nisi dolor, ornare quis sodales id, lacinia ut  
  mauris.



# Floating Elements Side by Side

```
body {  
    width: 100%;  
    font-family: sans-serif;  
    color: #665544; }  
  
p {  
    float: left;  
    width: 33%;  
    margin: 5px;  
    padding: 5px;  
    background-color: #efefef; }
```

## The Evolution of the Bicycle

In 1817 Baron von Drais invented a walking machine that would help him get around the royal gardens faster.

The device known as the Draisienne (or "hobby horse") was made of wood, and propelled by pushing your feet on the ground in a gliding movement.

It was not seen a suitable for any place other than a well maintained pathway.

In 1865, the velocipede (meaning "fast foot") attached pedals to the front wheel, but its wooden structure made it extremely uncomfortable.

In 1870 the first all-metal machine appeared. The pedals were attached directly to the front wheel.

Solid rubber tires and the long spokes of the large front wheel provided a much smoother ride than its predecessor.



# Clearing Floats

```
p {  
width: 33%;  
float: left;  
margin: 5px;  
padding: 5px;  
background-color: #efefef;}
```

```
.clear {  
clear: left;}
```



## The Evolution of the Bicycle

In 1817 Baron von Drais invented a walking machine that would help him get around the royal gardens faster.

The device known as the Draisienne (or "hobby horse") was made of wood, and propelled by pushing your feet on the ground in a gliding movement.

It was not seen as suitable for any place other than a well maintained pathway.

In 1865, the velocipede (meaning "fast foot") attached pedals to the front wheel, but its wooden structure made it extremely uncomfortable.

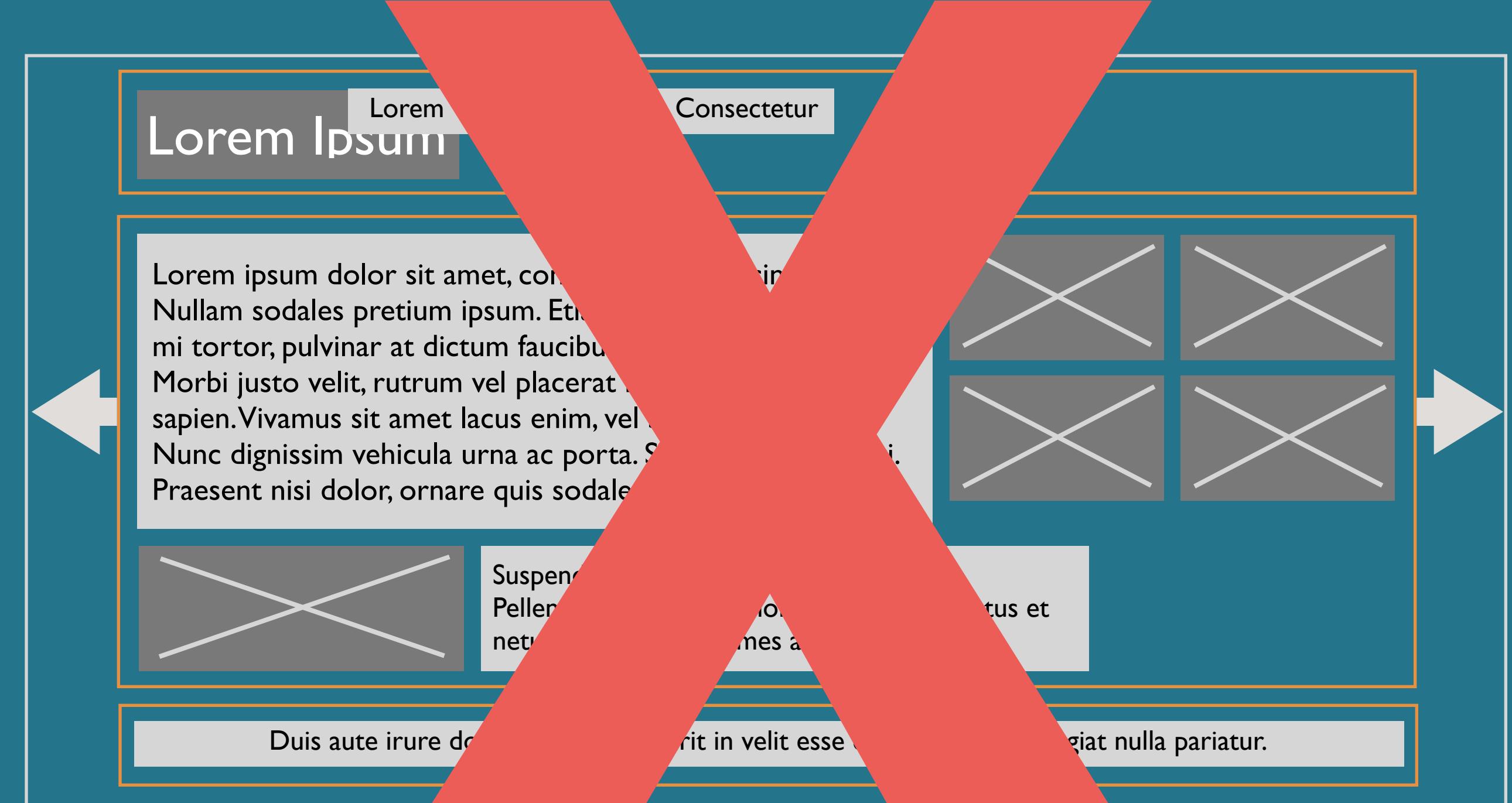
In 1870 the first all-metal machine appeared. The pedals were attached directly to the front wheel.

Solid rubber tires and the long spokes of the large front wheel provided a much smoother ride than its predecessor.

# Fixed-Width (Pixel) Layouts

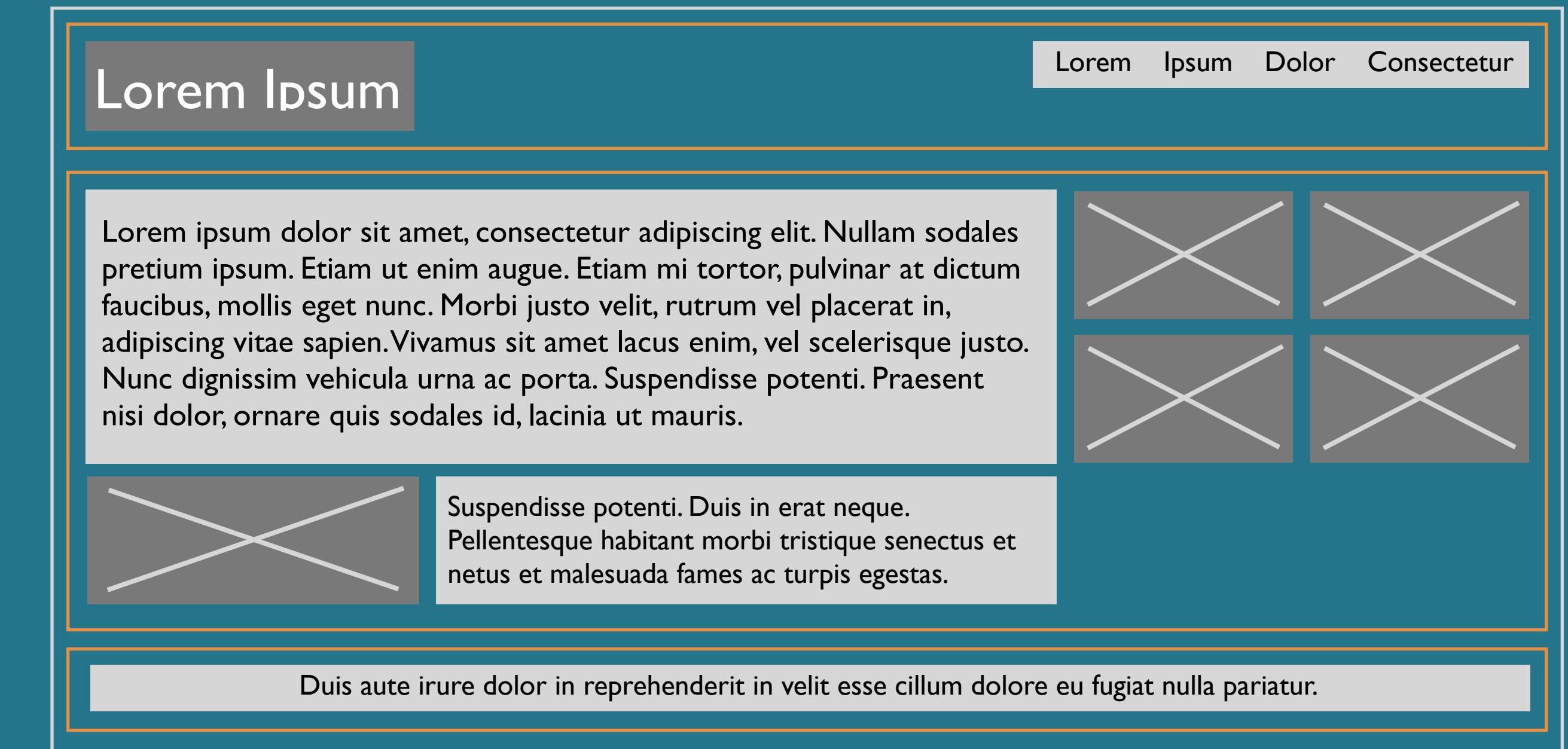
```
body {  
width: 960px;  
margin: 0 auto;}
```

```
.column1, .column2, .column3 {  
background-color: #efefef;  
width: 300px;  
float: left;  
margin: 10px;}
```



# Liquid (Percentage) Layouts

```
body {  
    width: 90%;  
    margin: 0 auto; }  
  
.column1, .column2, .column3 {  
    width: 31.3%;  
    float: left;  
    margin: 1%; }  
  
.column3 {  
    margin-right: 0%; }
```



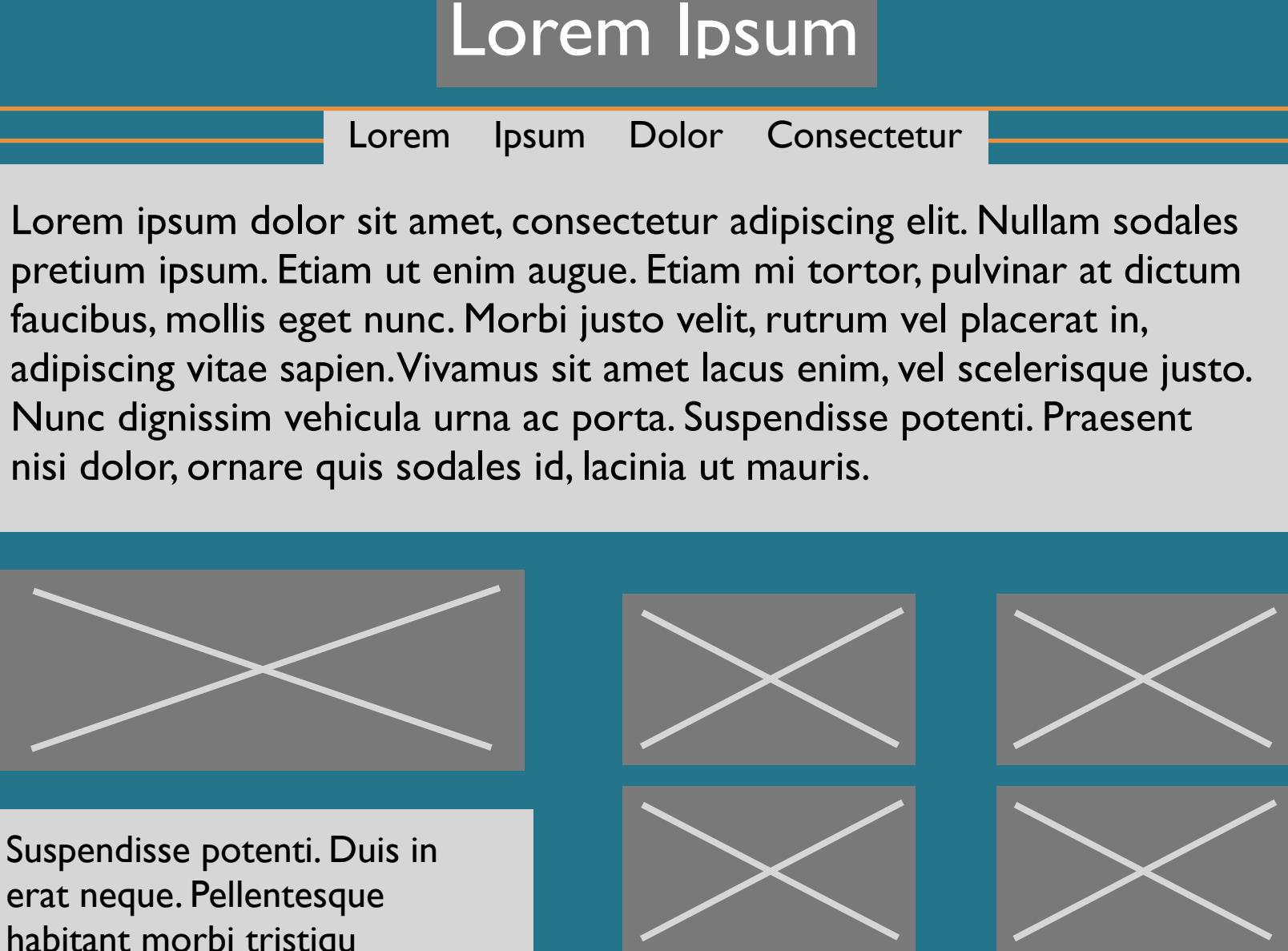
# Responsive Layouts

**Lorem Ipsum**

Lorem Ipsum Dolor Consectetur

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam sodales pretium ipsum. Etiam ut enim augue. Etiam mi tortor, pulvinar at dictum faucibus, mollis eget nunc. Morbi justo velit, rutrum vel placerat in, adipiscing vitae sapien. Vivamus sit amet lacus enim, vel scelerisque justo. Nunc dignissim vehicula urna ac porta. Suspendisse potenti. Praesent nisi dolor, ornare quis sodales id, lacinia ut mauris.

Suspendisse potenti. Duis in erat neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas.



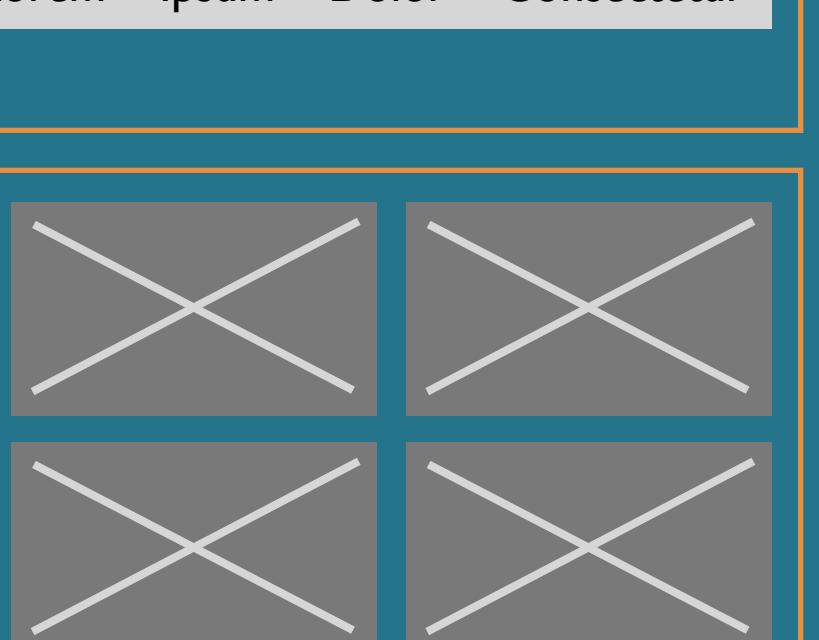
**Lorem Ipsum**

Lorem Ipsum Dolor Consectetur

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam sodales pretium ipsum. Etiam ut enim augue. Etiam mi tortor, pulvinar at dictum faucibus, mollis eget nunc. Morbi justo velit, rutrum vel placerat in, adipiscing vitae sapien. Vivamus sit amet lacus enim, vel scelerisque justo. Nunc dignissim vehicula urna ac porta. Suspendisse potenti. Praesent nisi dolor, ornare quis sodales id, lacinia ut mauris.

Suspendisse potenti. Duis in erat neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas.

Duis aute irure dolor in reprehenderit in velit esse cillum dolore eu fugiat nulla pariatur.



# Images

```
img.large {  
width: 500px;  
height: 500px;}
```

```
img.medium {  
width: 250px;  
height: 250px;}
```

```
img.small {  
width: 100px;  
height: 100px;}
```



# Background Images

```
p {  
background-image: url("images/  
pattern.gif");}
```



## Planting Guide

### Magnolia

*Magnolia grandiflora*, commonly known as the **Southern magnolia** or **bull bay**, is a tree of the family Magnoliaceae native to the southeastern United States, from coastal Virginia south to central Florida, and west to eastern Texas and Oklahoma. Reaching 27.5 m (90 ft) in height, it is a large striking evergreen tree with large dark green leaves and large white fragrant flowers. Widely cultivated around the world, over a hundred cultivars have been bred and marketed commercially. The timber is hard and heavy, and has been used commercially to make furniture, pallets, and veneer.

### Ranunculus

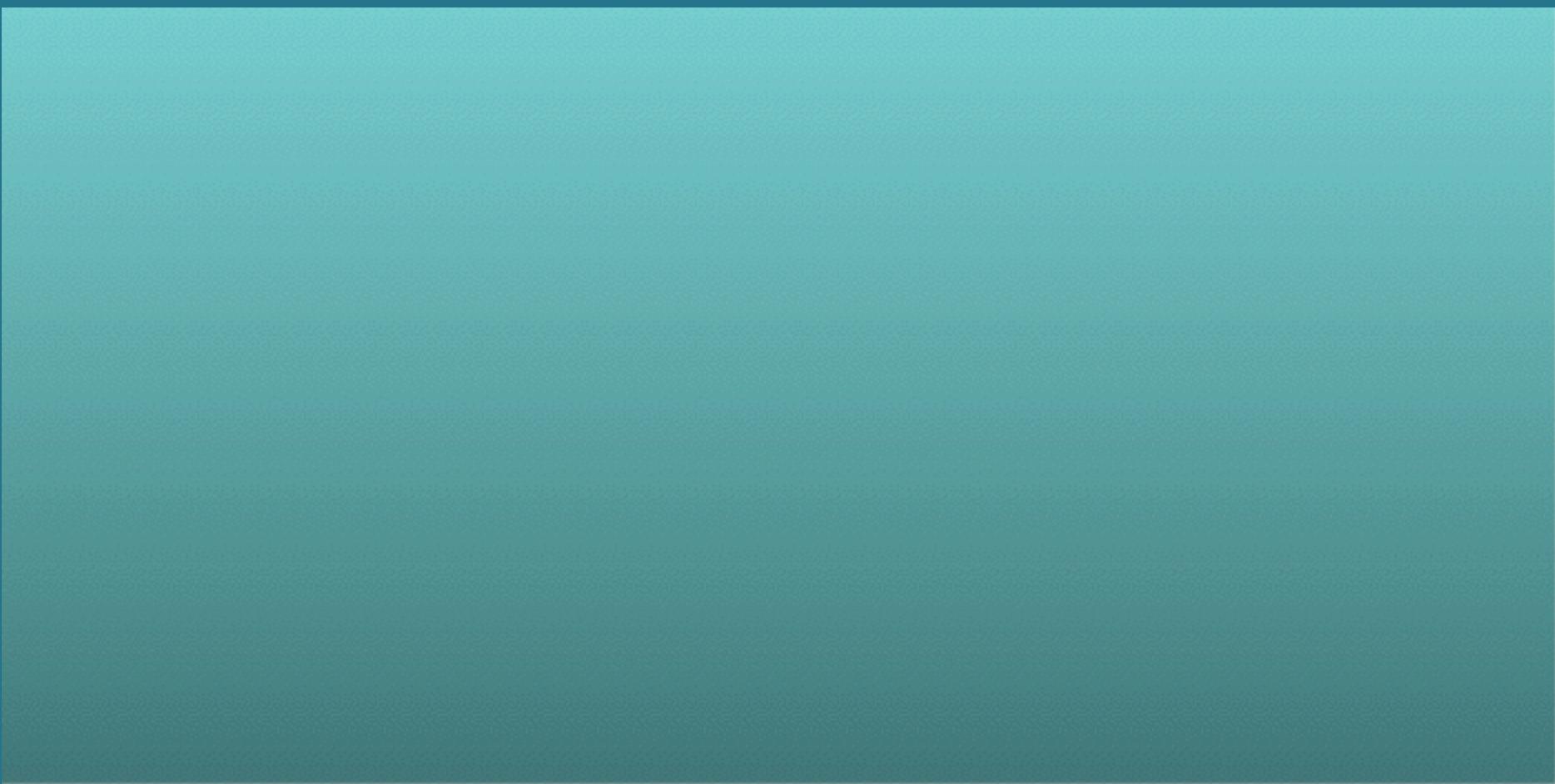
*Ranunculus asiaticus* (**Persian Buttercup**) is a species of buttercup (Ranunculus) native to the eastern Mediterranean region in southwestern Asia, southeastern Europe (Crete, Karpathos and Rhodes), and northeastern Africa. It is a herbaceous perennial plant growing to 45 cm tall, with simple or branched stems. The basal leaves are three-lobed, with leaves higher on the stems more deeply divided; like the stems, they are downy or hairy. The flowers are 3–5 cm diameter, variably red to pink, yellow, or white, with one to several flowers on each stem.

### Tulip

*Tulipa gesneriana L.* or "**Didier's tulip**" is a plant belonging to the family of Liliaceae. This species has uncertain origins, possibly from Asia, and has become naturalised in south-west Europe. Most of the cultivated species, subspecies and cultivars of tulip are derived from *Tulipa gesneriana*. The flower and bulb can cause dermatitis through the allergen, tuliposide A, even though the bulbs may be consumed with little ill-effect. The sweet-scented bisexual flowers appear during April and May. Bulbs are extremely resistant to frost, and can tolerate temperatures well below freezing; a period of low temperature is necessary to induce proper growth and flowering, triggered by an increase in sensitivity to the phytohormone auxin. The bulbs may be dried and pulverised and added to cereals or flour.

# Background Gradients

```
background-image:  
linear-gradient(#336666,#66cccc);
```



# Mobile-First Continued



THINGS ON THE FRONT PAGE  
OF A UNIVERSITY WEBSITE

CAMPUS PHOTO SLIDESHOW  
ALUMNI IN THE NEWS  
PROMOTIONS FOR CAMPUS EVENTS  
PRESS RELEASES  
STATEMENT OF THE SCHOOL'S PHILOSOPHY  
LETTER FROM THE PRESIDENT  
VIRTUAL TOUR

THINGS PEOPLE GO TO THE SITE LOOKING FOR

LIST OF FACULTY PHONE NUMBERS AND EMAILS  
CAMPUS ADDRESS  
ACADEMIC CALENDAR  
DEPARTMENT/COURSE LISTS  
PARKING INFORMATION  
APPLICATION FORMS  
CAMPUS POLICE PHONE NUMBER  
USABLE CAMPUS MAP



# How Do We Balance Navigation vs. Content?



---

The ESPN Mobile Web interface features a red header bar with the "ESPN Mobile Web" logo and a "Menu" button. Below the header is a large image of three basketball players in action. A hand icon with a black outline is pointing at the "Menu" button. The main content area includes a section titled "Bad Blood" with a photo of Duke players, a "GameCast" link, and sections for "Bracketology", "Hoyas", "Video", and "MORE". At the bottom are buttons for "NCAA", "NHL", and "MORE".

The ESPN Mobile Web Home menu is displayed. It has a "Close" button at the top right. The menu items include "ESPN Mobile Web Home", "Recently Visited", "Scores & Schedules", "News", "Analysis", "Sports", "Fantasy", "Podcenter", "Video", and two video thumbnails for "Ray Allen Ultimate highlight" and "Do Lakers Want 'Melo?'".

The Bagcheck interface shows a "Big Picture Interface Design Books" section featuring "LUKE WROBLEWSKI'S BOOKS BAG". A hand icon with a black outline is pointing at the "Books Bag" thumbnail. Below this are "15 COMMENTS", "SHARE", and "EDIT BAG" buttons. A list of "9 ITEMS" is shown, with the first item being "Shaping Things" by Bruce Sterling. A black arrow points down towards the bottom of the page.

The Bagcheck sidebar includes a search bar labeled "Search Bagcheck", navigation links for "HOME", "PROFILE", "EXPLORE", "PEOPLE", and "CREATE A BAG +", and footer links for "HELP", "BLOG", "TERMS", and "FULL SITE".

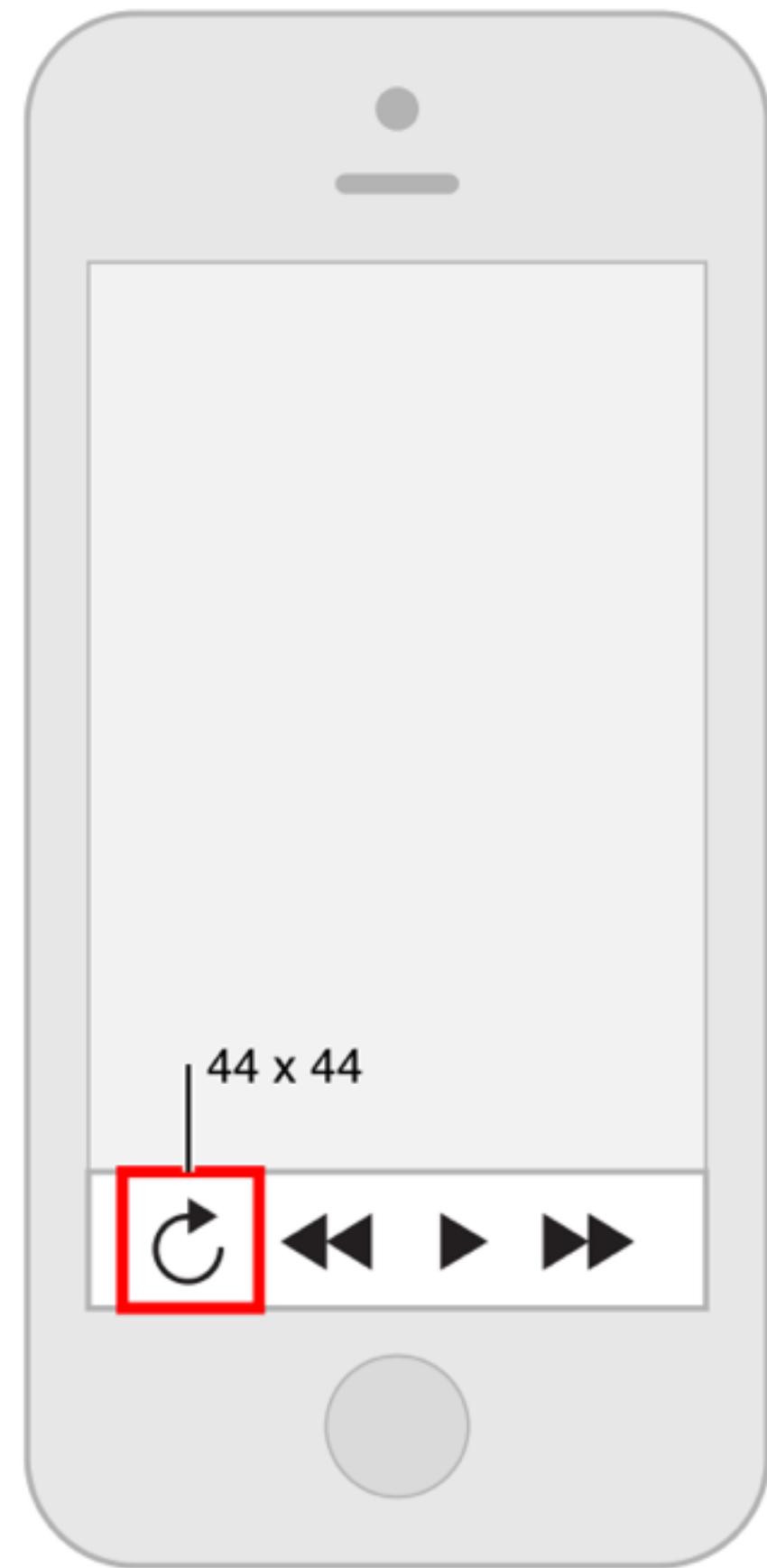


# How Can We Optimize For Touch?



---

Recommended



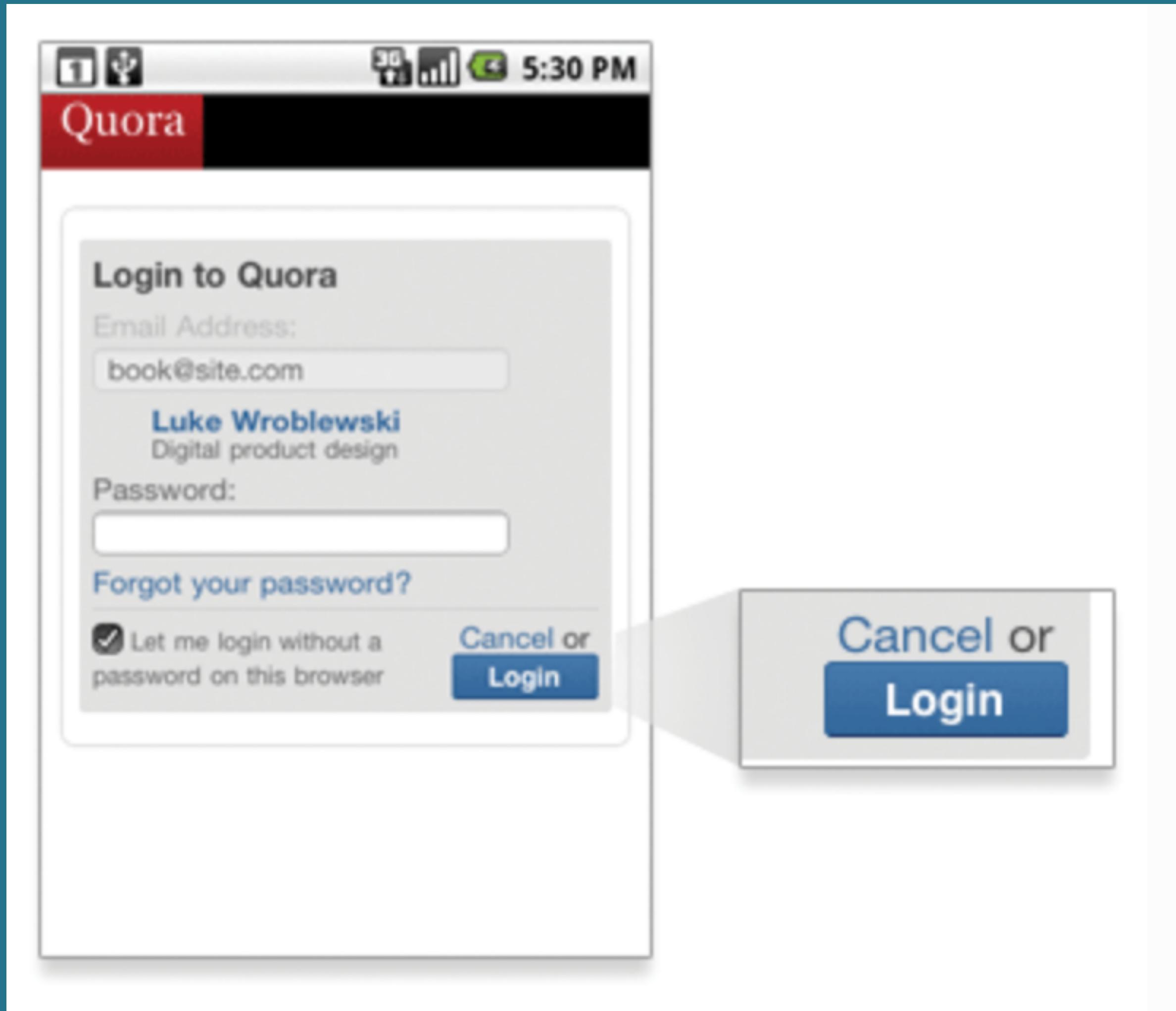
Not Recommended

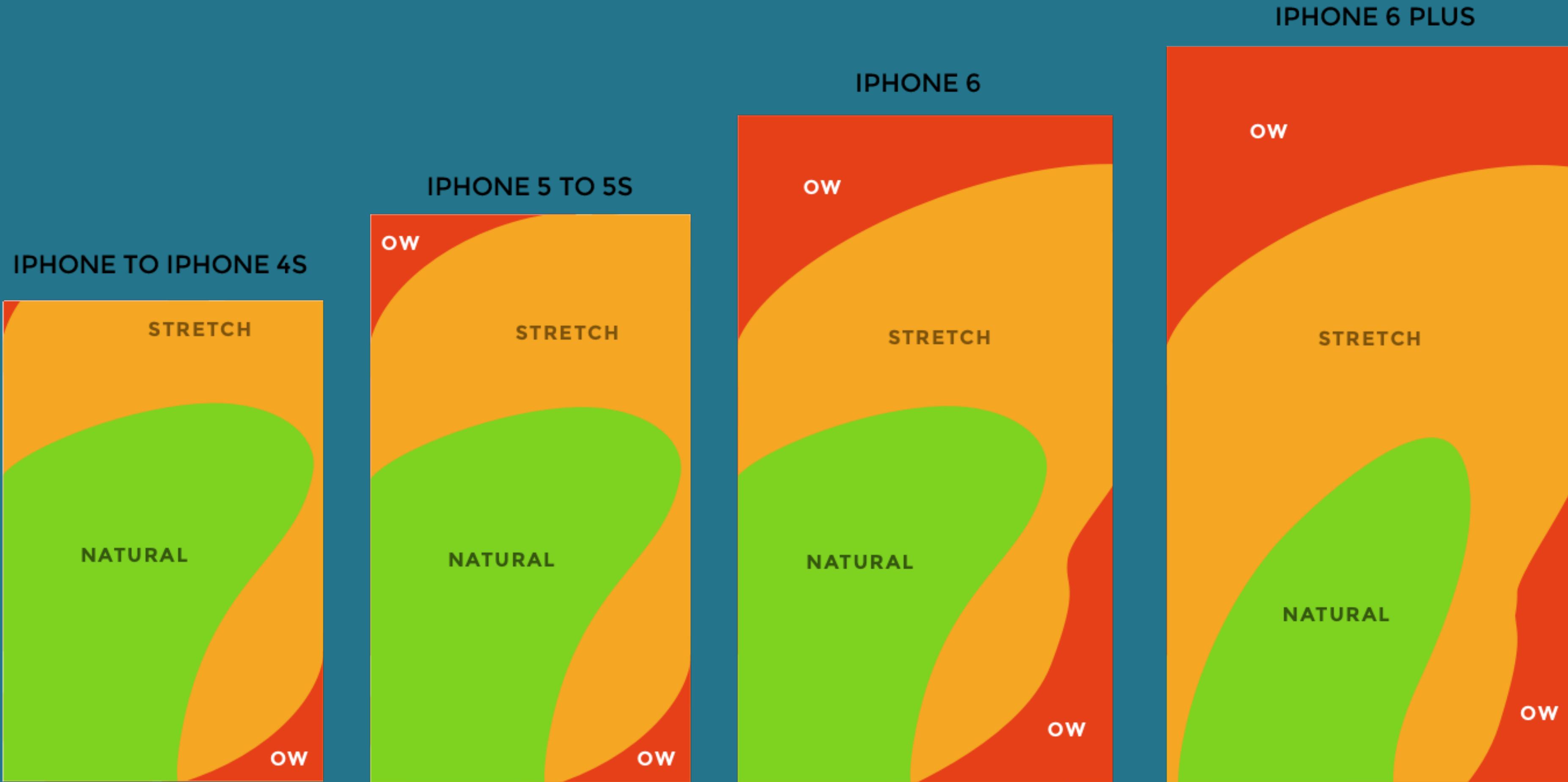


Apple: 44 x44 points

Microsoft: 7mm, 2mm of space







# What About Hover?



# How Can We Optimize Web Forms For Mobile?



 → Home

## Sign up

Just complete the following information and you'll be ready to Tweet!

**Full name**  
  
First and last name

**Twitter username**  
  
This is how you will be known on Twitter  
6-15 characters

**Email address**  
  
Where you want us to reach you



Re-enter password:

Question:

Select one

Secret answer:

Previous Next AutoFill Done

Or use an alternate email address

**Name of first pet**

**Favorite teacher**

**Favorite...cal person**

**Grandfathe...ccupation**

# How Can We Account for Different Device Pixel Densities?



---

# Use Responsive Interfaces to Account for Different Devices.



**Remember:  
Reduce and start small.**



# CSS Basics 2

<http://rwdkent.com/class/assignments/css2/>



# CSS Basics Hands On



# CSS Box Model Video

<http://www.lynda.com/CSS-tutorials/Making-Sense-CSS-Box-Model/372544-2.html>

