



**Mertech Campfire**  
**December 18, 2013**



# **Responsive Design: Web Design for the Mobile Era**

***Presented by***  
*Aaron Gulack*  
*Developer at Mertech Data Systems*



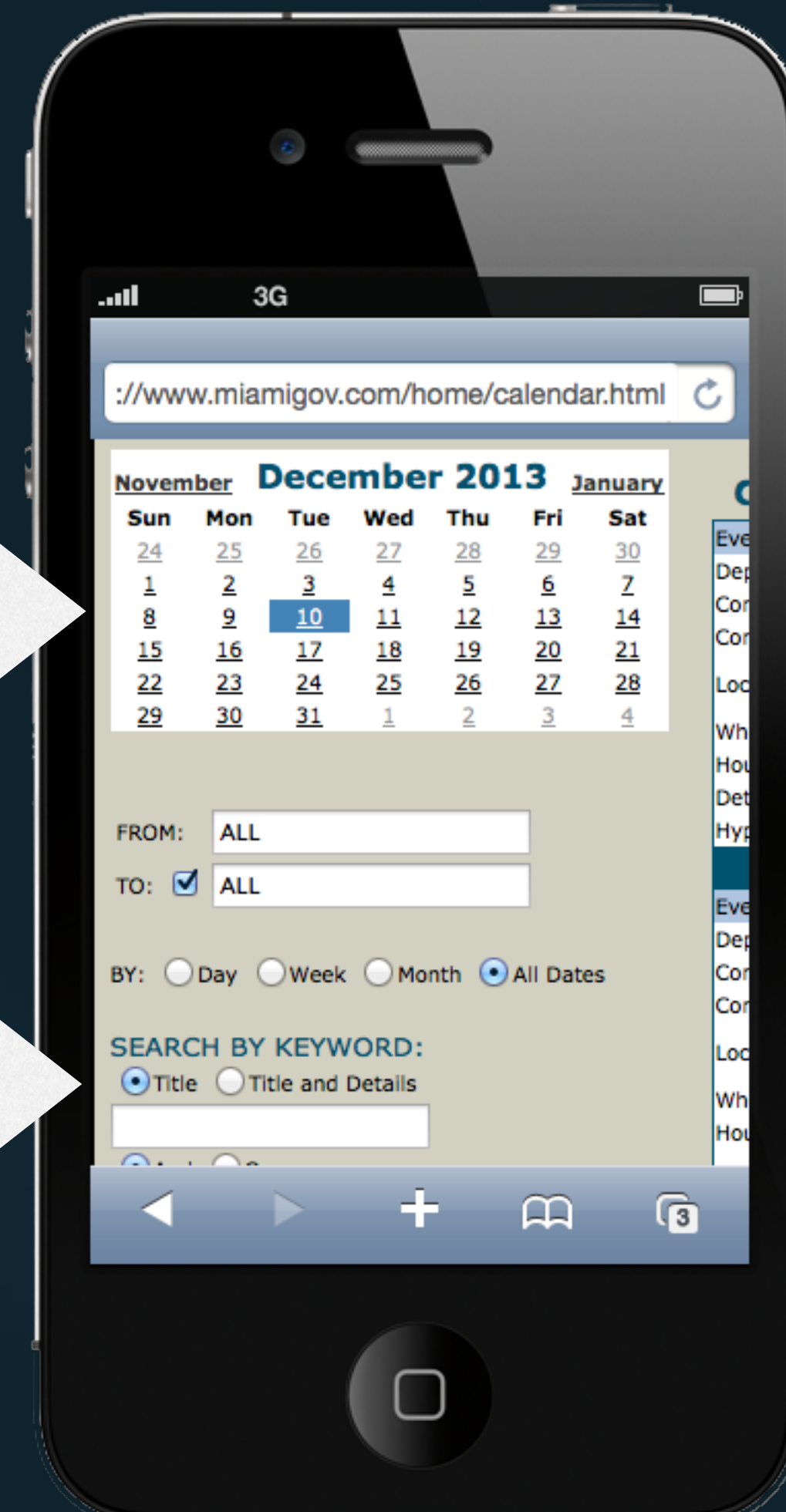
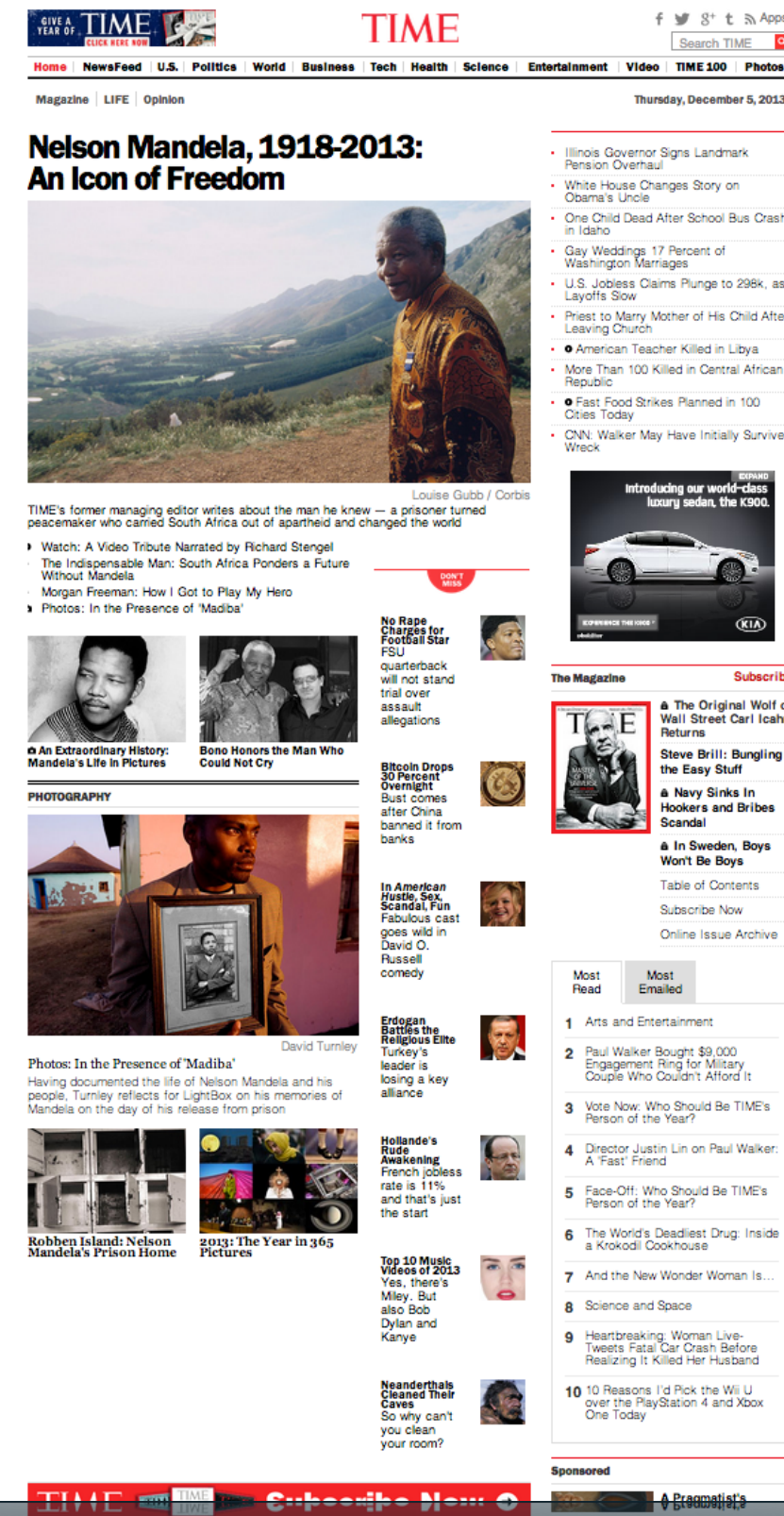
# Responsive Design

## One Website, All Devices



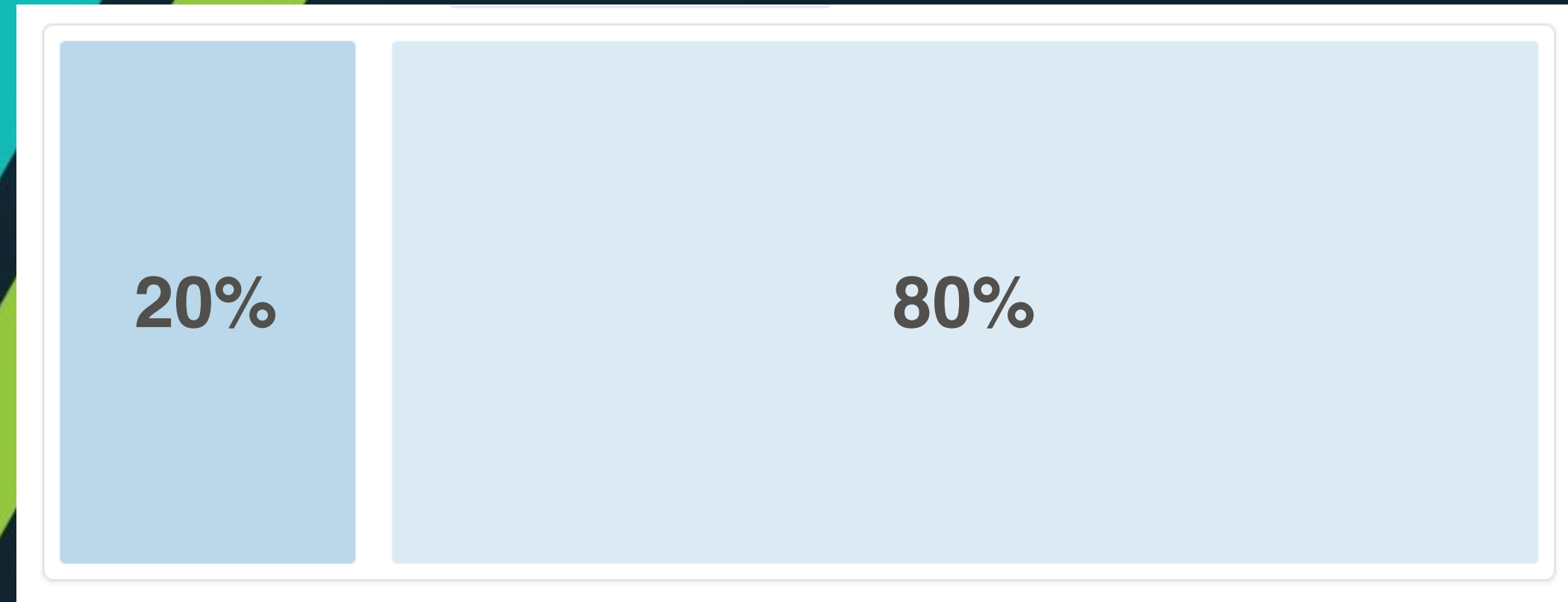
# Fixed Layout

- Fix width elements
- Quicker, gives more control to developers
- Limited to very specific screen sizes

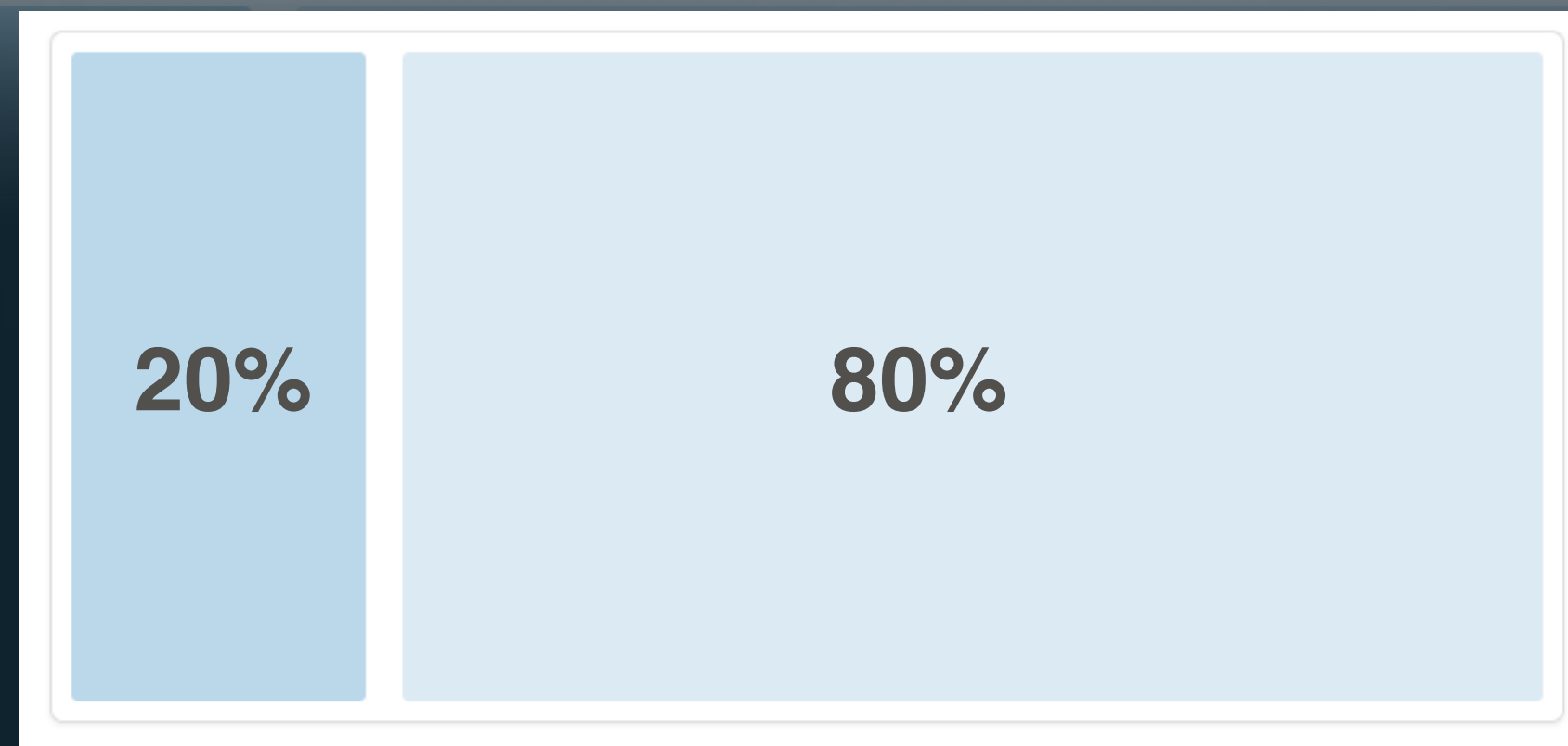


# Fluid Layout

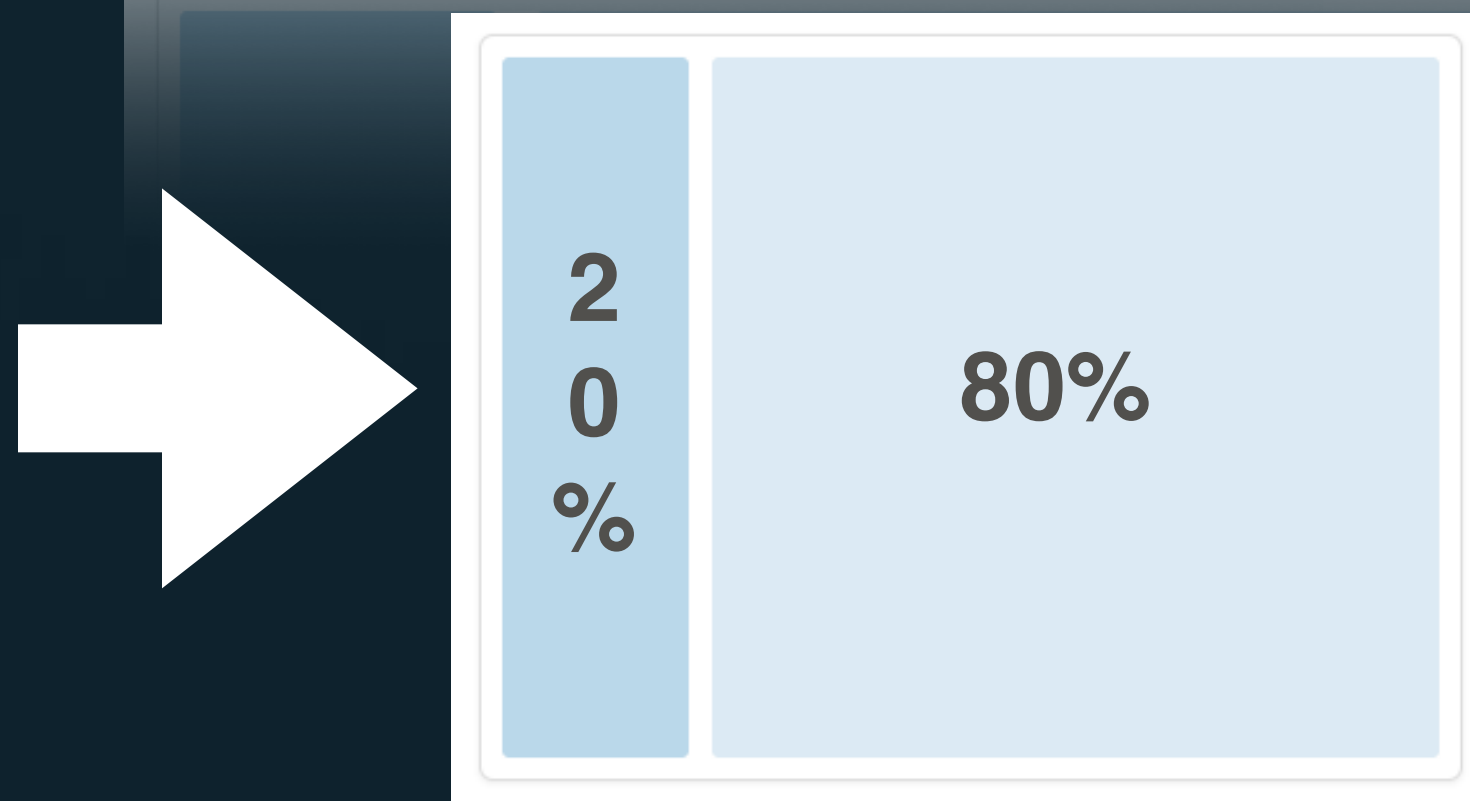
Desktop



iPad



iPhone



- Elements relative to screen size
- Before mobile, this was a very useful solution

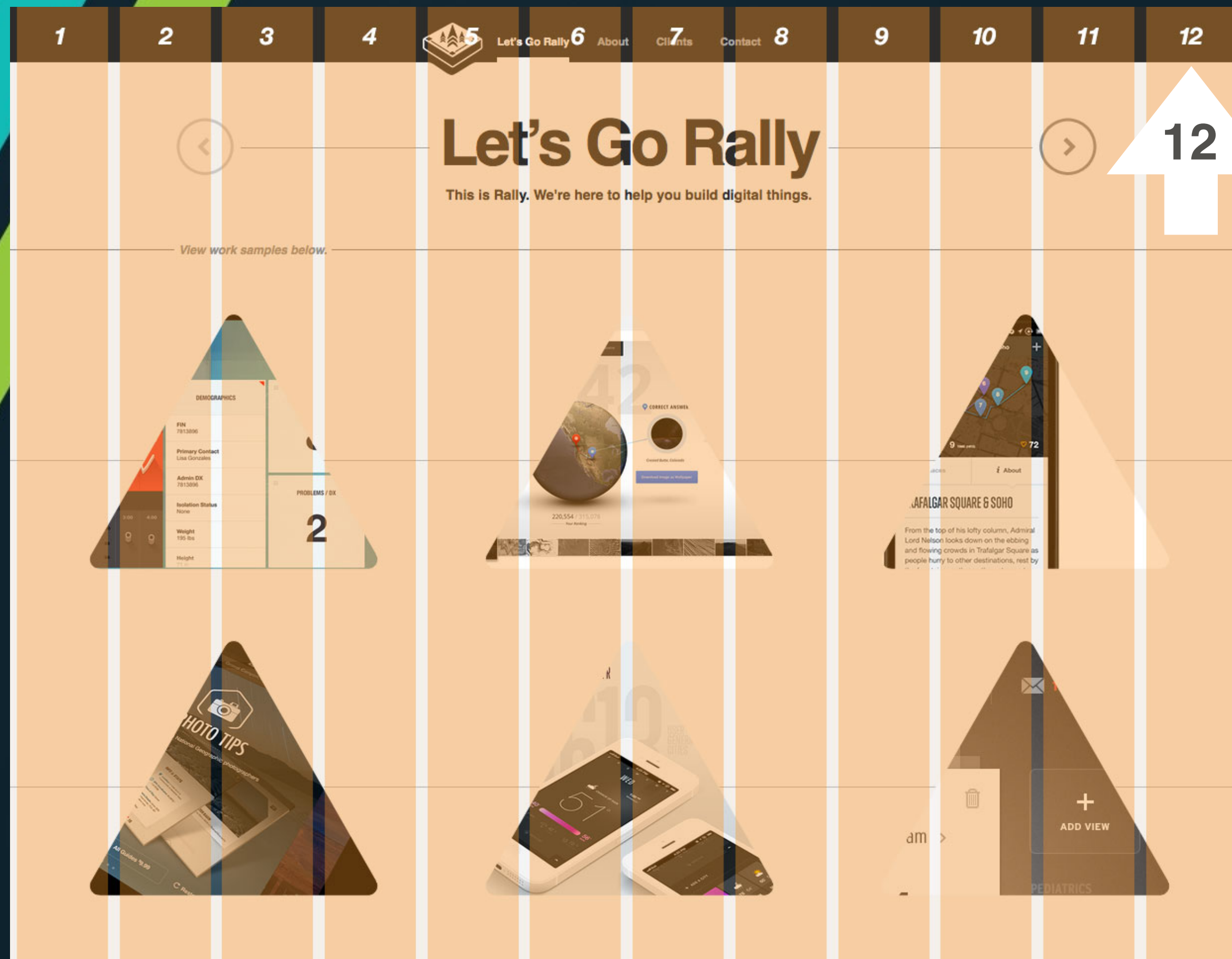


# Responsive Web Design (RWD)



# Flexible Grids

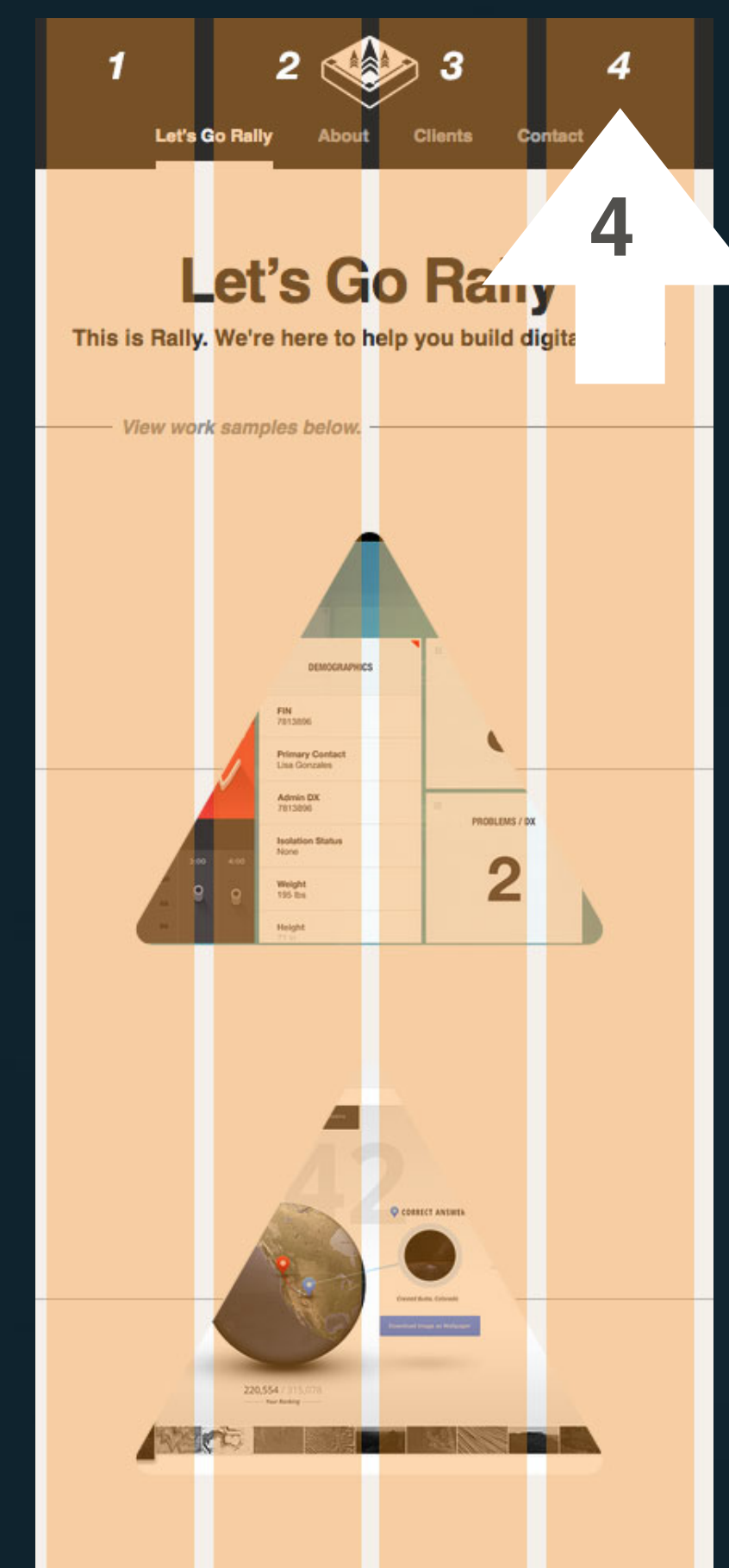
Desktop



iPad



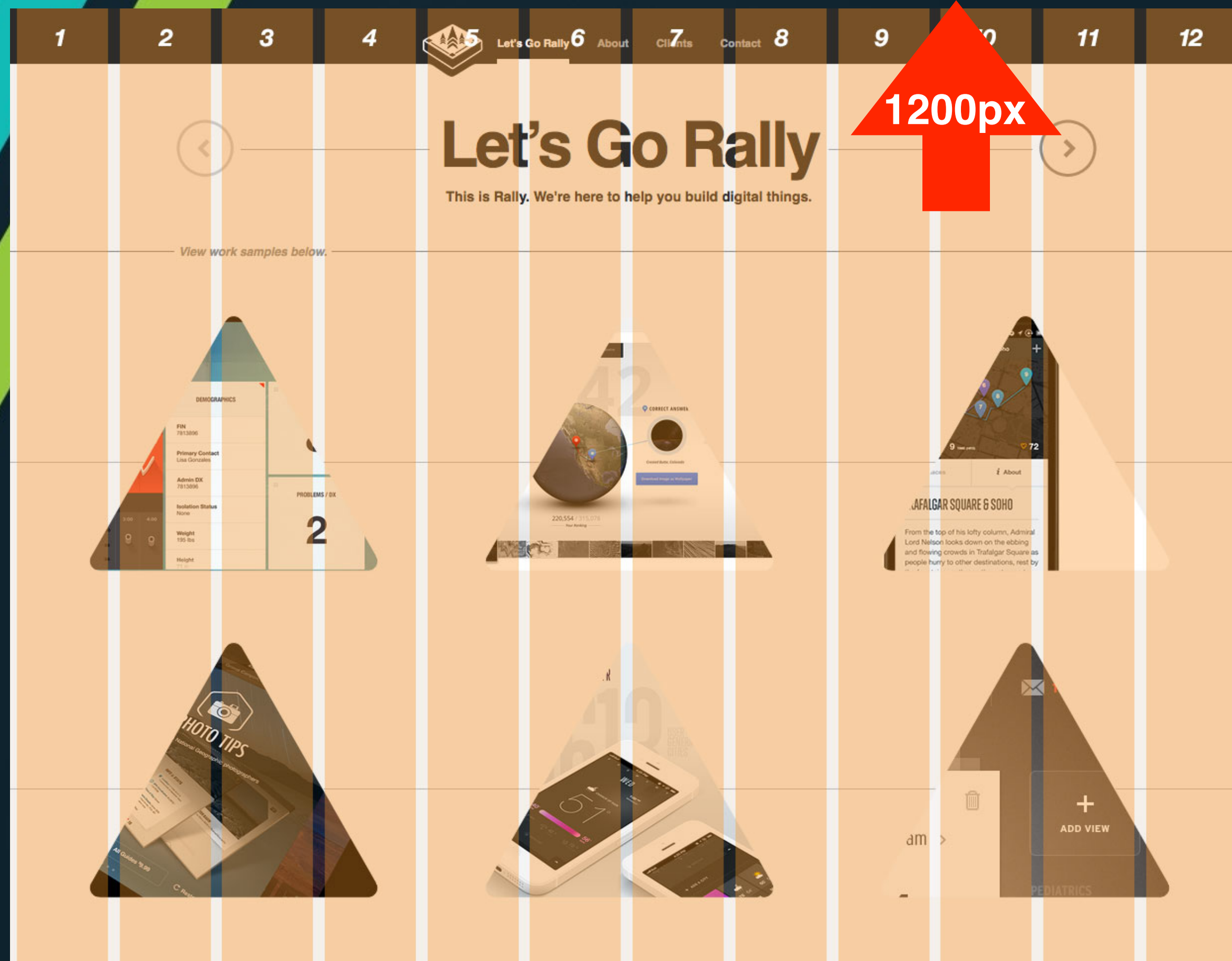
iPhone





# Media Queries

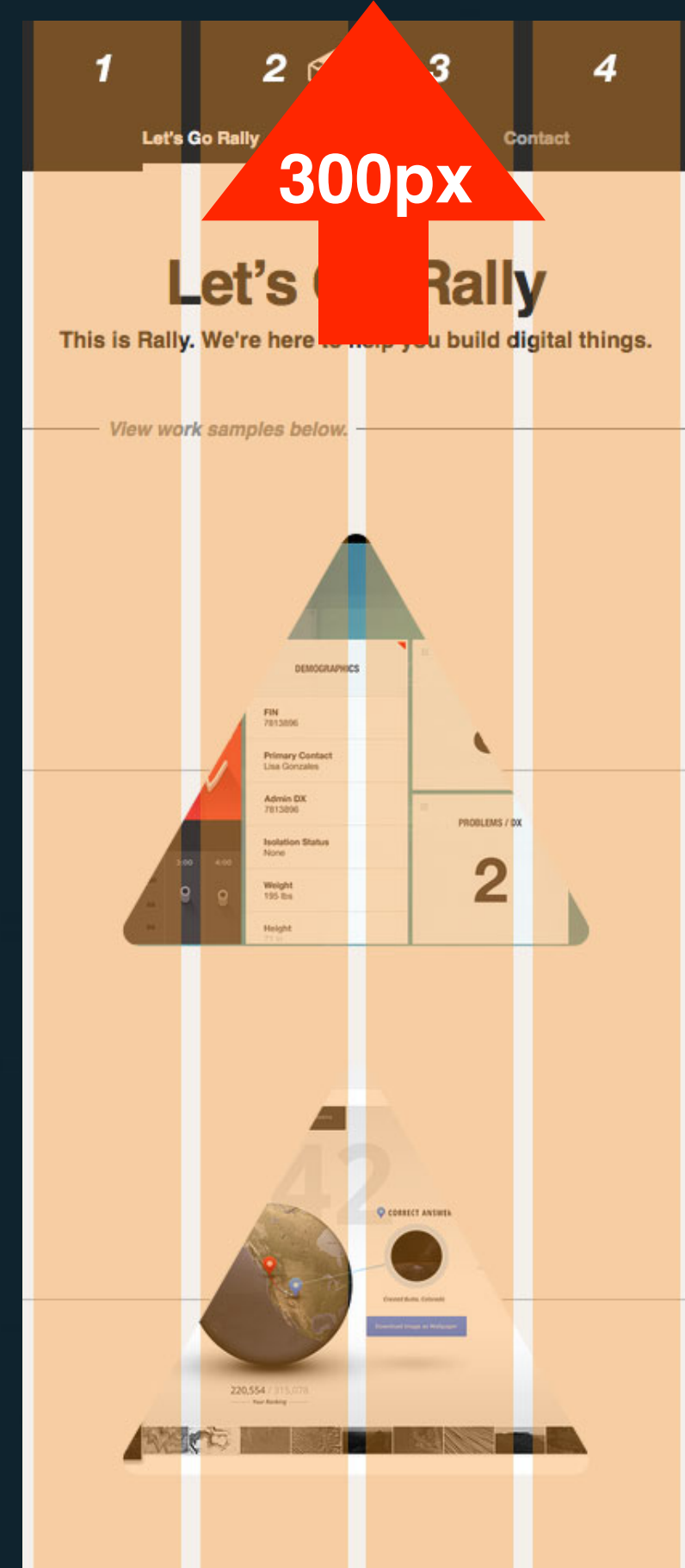
Desktop - @media screen (max-width: **1200px**)



iPad - @media screen (max-width: **960px**)



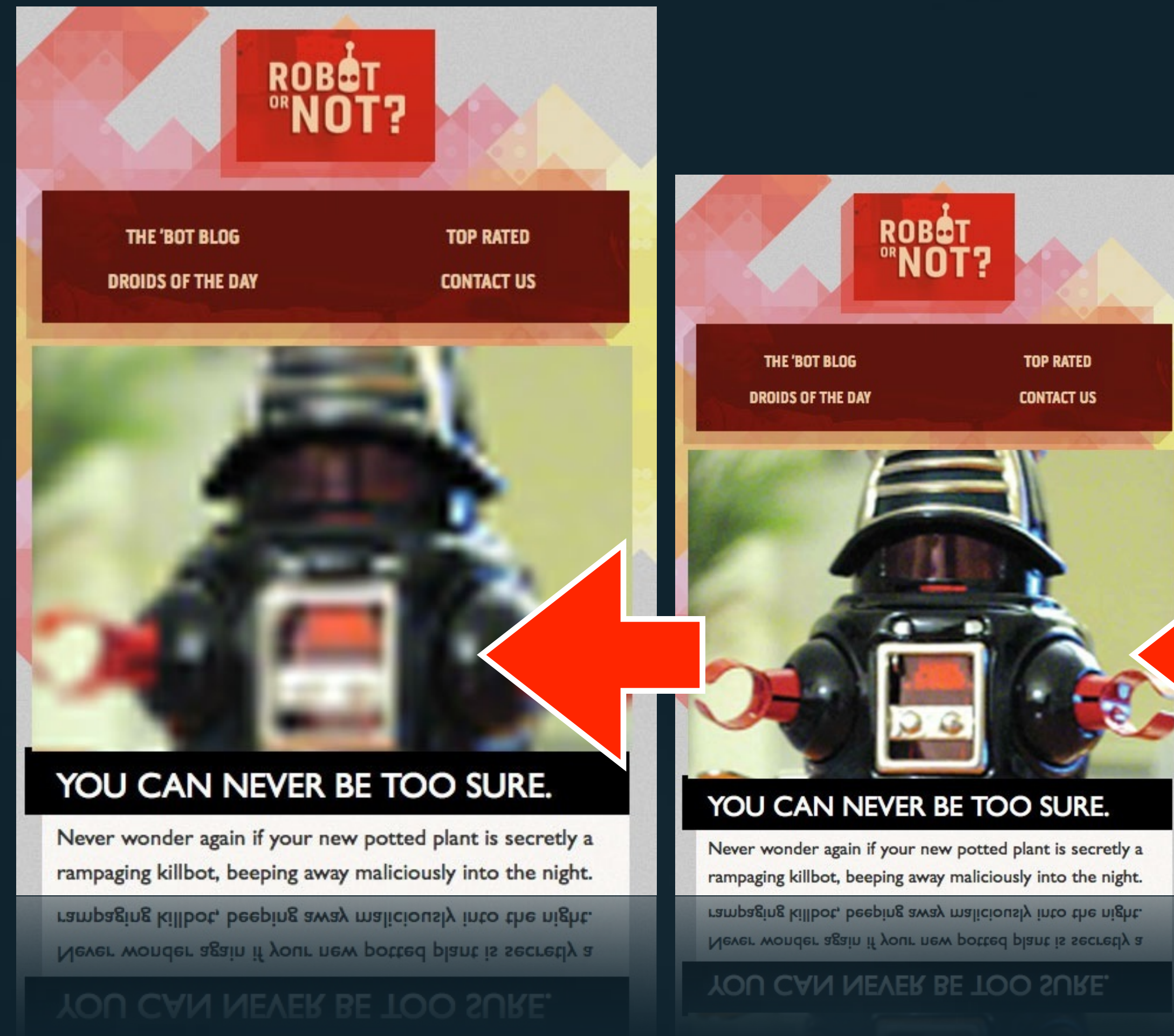
iPhone - @media screen (max-width: **300px**)





# Responsive Images

- [Picturefill](#)
- [HISRC](#)
- [Adaptive Images](#)
- [Sencha.IO](#)



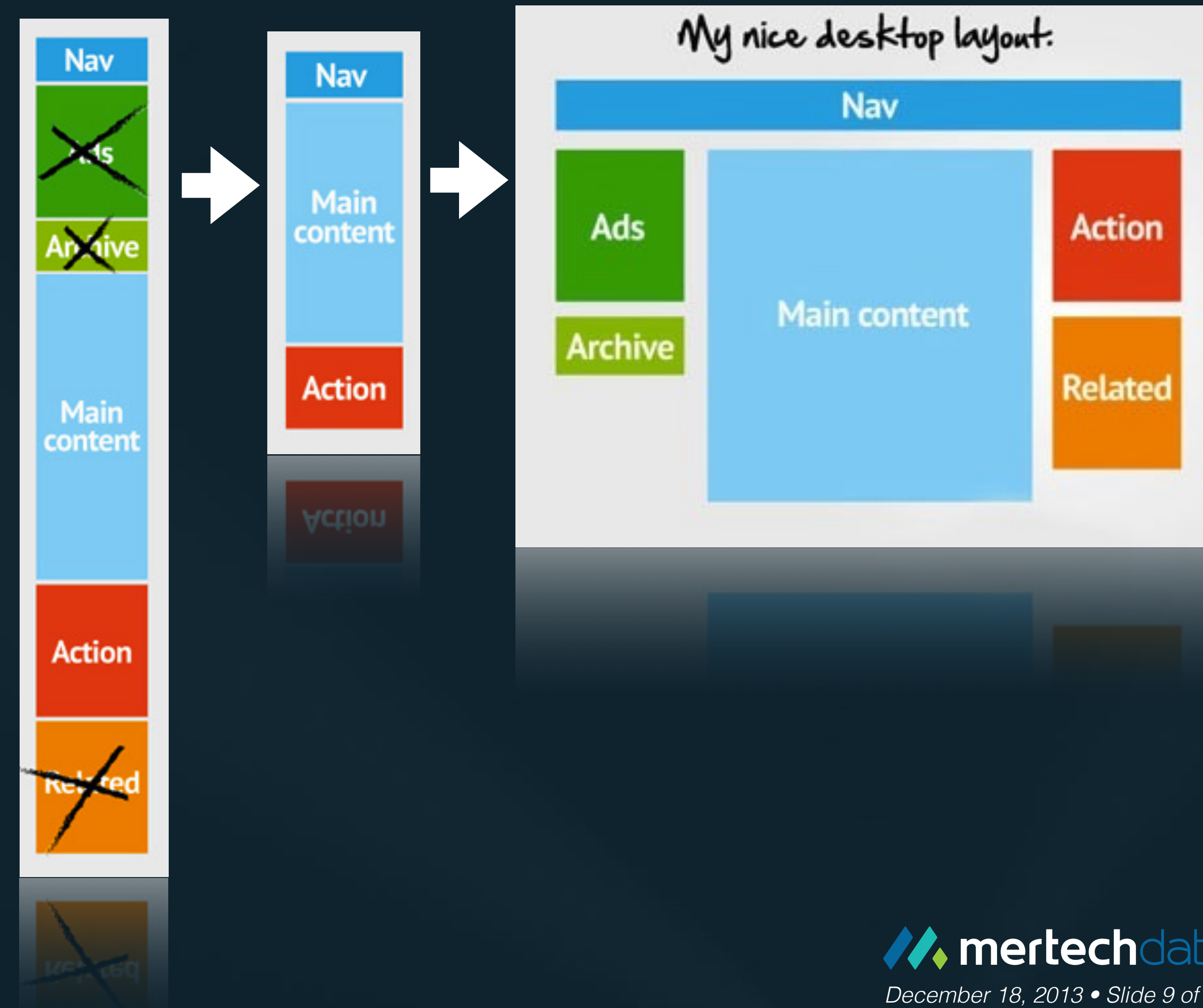


# Mobile First Approach

## Normal Approach



## Mobile First Approach





# Resources

**Check out these links:**

<http://getbootstrap.com>

<http://foundation.zurb.com>

**Mobile first design inspiration:**

<http://mediaqueri.es>

## Bootstrap

Sleek, intuitive, and powerful mobile first front-end framework for faster and easier web development.

Download Bootstrap

Download source

**BLACKWING**



Cultivate Ideas in Style.  
"The best pencil ever made." – BoingBoing  
ads via Carbon



61,894



22,018



Follow @twbootstrap

Currently v3.0.3

Bootstrap 2.3.2 docs

GitHub project

## Foundation

The most advanced responsive front-end framework in the world.

Download Foundation 5

★ 14.8k stargazers    @foundationzurb





# Questions?

Contact me at  
[aarong@mertechdata.com](mailto:aarong@mertechdata.com)

Visit us at  
[www.mertechdata.com](http://www.mertechdata.com)  
or  
[facebook.com/mertechdata](https://facebook.com/mertechdata)

