



RESPONSIVE BASICS

KARA YU

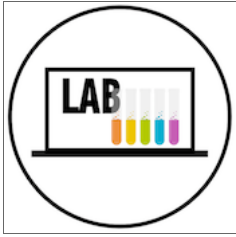
MIT, Meteor

AGENDA

- Review
- Responsive Layouts
- REM/EM
- Media Queries

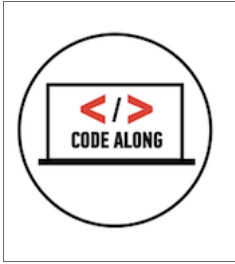
REVIEW

Let's bring HTML/CSS back into the equation.

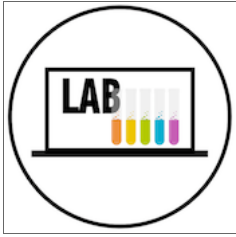


BOXES

RESPONSIVE LAYOUT



RESPONSIVE SITES



MOBILE BOXES

FIXED VS RESPONSIVE

Checkout these **Fixed** sites

- **UPS.com**
- **Boston.com**
- **Google.com**
- **Getaround.com**

Checkout these **Responsive** Sites

- **Generalassemb.ly**
- **Dwolla.com**
- **Sweethatclub.com**
- **Relayrides.com**

FIXED LAYOUT

- Used up to this point
- Relies on a container of fixed width
- Usually 960px or 980px

RESPONSIVE LAYOUT

- Different styles for different screen widths
- Uses an elastic/fluid layout
- Fluid
- Sized in percentages
- Elastic
- Sized in ems

EMS VS REMS - NEEDS MORE CLARITY

EM Sized based on the width of the letter 'm' Same as percentages* 1em=100% font-size
http://alistapart.com/articles/howtosizetextincss Based on parent Parent{
font-size:16px;} Child{font-size:2em;} Child's font size is 32px

REM

Root's em Same as em Caveat: Based on the font-size of html element

MEDIA QUERIES

MEDIA QUERIES - WHAT SHOULD BE IN CODE?

@media only screen and (max-width: xPx) (min-width: xPx) (max-device-width:xPx) (min-device-width:xPx)

For iPad (orientation: portrait) (orientation: landscape)

Separate multiple clauses with `and`

MOBILE DISPLAY

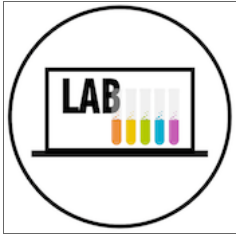
Optional: user-scalable=none

Why necessary? Mobile browser assumption of fixed layout of 980px Standard media queries sizes Small: up to 768px Medium: 768-991px Large: 992px+

USAGE

/float boxes into columns/ .box{ float:left; } @media only screen and (max-width:768px){
/insert responsive css here ex: stack floated boxes / .box{ float:none; } }

If I put the media query before .box{float:left;} will this work as expected?



RESPONSIVE BOXES

OPTIONAL

Grid layouts Transition (make media query changes smoother)

