RESPONSIVE BASICS

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AGENDA

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

REVIEW

Lets do two simple layouts.

FIXED VS RESPONSIVE

Checkout these **Fixed** sites

- UPS.com

- Google.com

Checkout these **Responsive** Sites

- Boston.com
- Sweethatclub.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

REM

"Root" em Same as em Tied to html selector

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

```
<meta name="viewport" content="width=device-width, initial-scale=1">
```

Optional: user-scalable=none

```
<meta name="viewport" content="width=device-width, initial-scale=1, user-scal
```

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

USAGE

```css
/*float boxes into columns*/
.box{
    float:left;
}

@media only screen and (max-width:768px){
    /*insert responsive css here*/
    .box{
        float:none;
    }
}
```

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

RESPONSIVE BOXES