RESPONSIVE WEB DESIGN
RESPONSIVE WEB DESIGN

MOBILE TRAFFIC IS AS RELEVANT AS DESKTOP TRAFFIC NOW

WE SHOULD BUILD FOR THE TYPE OF SCREENS THAT WILL BE USED TO ACCESS OUR SITES - SOMETIMES OUR WEB EXPERIENCES ARE NOT MEANT FOR MOBILE AND THAT IS OK! SERIOUSLY, LET THE CONTENT DO THE TALKING!!!!!!!

METHODS:
1. ALTERNATIVE STYLE SHEETS, E.G. MOBILE.CSS
2. MEDIA QUERIES - FIGURE OUT WHAT RESOLUTION OF DEVICE IT’S BEING SERVED ON
3. FLEXIBLE IMAGES AND FLUID GRIDS
4. FONT ICONS OR SVG
RESPONSIVE WEB DESIGN

MEDIA QUERY

<link rel="stylesheet" media='(min-width: 140px) and (max-width: 380px)' href="phone.css"/>
<link rel="stylesheet" media='(min-width: 381px) and (max-width: 700px)' href="tablet.css"/>

@media (max-width: 600px){
  body {
    color: white;
  }
}

MOST COMMON INSTANCES USE min-width max-width PROPERTIES BUT THERE ARE MANY MORE TO FINE TUNE YOUR SITE OR APP’S FUNCTIONALITY AND RESPONSIVENESS - READ UP ON MEDIA QUERY SYNTAX IF YOU REALLLLLLLY WANT TO KNOW

ARE BASICALLY “IF” STATEMENTS
RESPONSIVE WEB DESIGN

MOBILE FIRST DESIGN

Design for mobile before designing for desktop or any other device (this will make the page display faster on smaller devices)

Instead of changing styles when the width gets smaller, we should change the design when the width gets larger.

So if you have a single style sheet including media queries, your base style sheet should contain all styles for mobile then the media queries control styles for larger devices.
RESPONSIVE WEB DESIGN

COMMON BREAKPOINTS

StatCounter Global Stats
Top 14 Desktop, Mobile & Tablet Screen Resolutions from Aug to Oct 2016

- 360x640: 15.21%
- 1366x768: 14.3%
- 1920x1080: 7.19%
- 375x667: 3.73%
- 1280x800: 3.19%
- 320x568: 3.1%
- 768x1024: 3.08%
- 1024x768: 3.01%
- 1440x900: 2.98%
- 1600x900: 2.86%
- 720x1280: 2.82%
- 480x800: 2.79%
- 1280x1024: 2.6%
- 320x534: 2.26%
- Other: 30.87%
# Responsive Web Design

## Common Breakpoints

<table>
<thead>
<tr>
<th>Phone</th>
<th>Tablet Portrait</th>
<th>Tablet Landscape</th>
</tr>
</thead>
<tbody>
<tr>
<td>320 x 534</td>
<td>720 x 1280</td>
<td>1280 x 1024</td>
</tr>
<tr>
<td>360 x 640</td>
<td>1024 x 768</td>
<td>1280 x 800</td>
</tr>
<tr>
<td>375 x 667</td>
<td>768 x 1024</td>
<td>1280 x 800</td>
</tr>
<tr>
<td>480 x 800</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
RESPONSIVE WEB DESIGN

COMMON BREAKPOINTS

<table>
<thead>
<tr>
<th>Tablet landscape</th>
<th>Desktop</th>
<th>Big desktop</th>
</tr>
</thead>
<tbody>
<tr>
<td>1024 x 768</td>
<td>1280 x 1024</td>
<td>1920 x 1080</td>
</tr>
<tr>
<td></td>
<td>1366 x 768</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1440 x 900</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1280 x 800</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1600 x 900</td>
<td></td>
</tr>
</tbody>
</table>
RESPONSIVE WEB DESIGN

COMMON BREAKPOINTS

@media (max-width: 599px)
@media (min-width: 600px)
@media (min-width: 900px)
@media (min-width: 1200px)
@media (min-width: 1800px)
HOMEWORK

IN CLASS WORK: WEBSITE DESCRIPTION, RESEARCH AND SITE-MAP WORK

READ CHAPTER 15