

ASSIGNMENT 7

HW FIND JAVASCRIPT SITE / TOOL - SEND TO HENRY



POSITION	* FLOAT	PADDING-	DISPLAY
ABSOLUTE	LEFT	MARGIN	BLOCK
RELATIVE	RIGHT		INLINE-BLOCK
FIXED	NONE	HEIGHT	INLINE
* STATIC	CLEAR	WIDTH	NONE

RIGHT
BOTH

TOP
LEFT

TOP
LEFT
RIGHT
BOTTOM

FIXED LOGO

header {
position: relative;

```
img {
  display: block;
  position: absolute;
  top: 20px;
  left: 20px;
}
```

```
<header>  
  <img class="logo" />  
</header>
```

CLEAR
 INSERT HTML ELEMENT AFTER DIV W/ FLUATS: <br class="clear">
 ELEMENT
 ELEMENT
 ELEMENT
 clear { clear: both; }
 clear { clear: both; }
 clear { clear: both; }

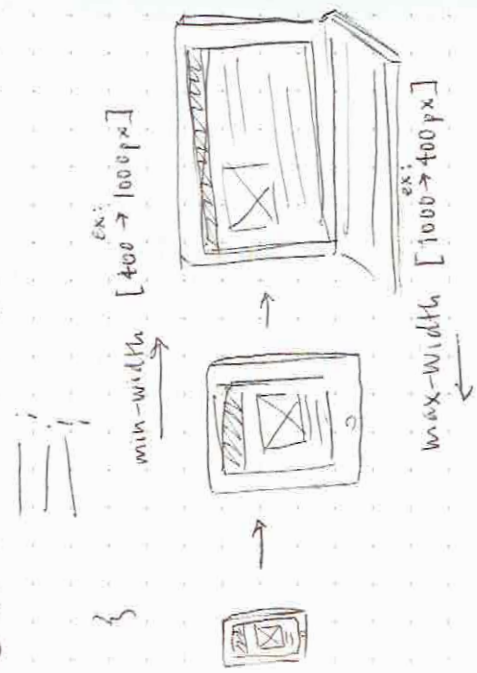
1. FLEXIBLE LAYOUT
MAX-WIDTH

2. RESPONSIVE IMAGES

3. MEDIA QUERIES (BREAK POINTS)

✓✓ after base.css for desktop ≥ 960 px

media screen and (max-width: 800px) {



CSS

- box-sizing (makes elements the same size no matter padding & margin)

* {

- webkit-box-sizing: border-box;
- moz-box-sizing: border-box;
- box-sizing: border-box;

}

supported in IE8+

FLEXIBLE LAYOUT

- WHAT IS THE MAX WIDTH? IS IT DIFF BETW. MONITORS?

- FOR FLEXIBLE, CHANGE TO %, EX: 95%

width: 95%

MAX-WIDTH: 1200PX ← NEVER GETS LARGER THAN

- CONVERT PIXEL WIDTHS OF ELEMENTS TO PERCENTAGES (OF PARENT ELEMENT)

- EX: header { width: 930px; }

→ ORIGINAL

}

width: 96.875%, /* 930/960 * / }

→ FLEXIBLE

- FOR MARGINS & PADDING, CONVERT PX TO PERCENTAGES.

(AS ABOVE)

- FOR PADDING, CONVERT PX TO PERCENTAGES (OF ELEMENT - NOT PARENT ELEMENT)

EX: header {

padding

↓

width: 96.875%, /* 930/960 * /

padding: 1.6290329%, /* 15/930 * /

}

↑ ELEMENT

- FOR COLUMNS, ENSURE ALL PX ARE CONVERTED TO % (NO. MARGINS & PADDING)

MOBILE: MIN: 320 or 400px
TABLET: MIN: 700

MEDIA QUERIES:

- CHANGE LAYOUT, POSITIONING
- TYPOGRAPHY SIZE
- HIDE ELEMENTS

11W

- DESIGN DOCUMENT FOR CLIENT SITE (MOODBOARD, STYLE GUIDE, WIREFRAME OR MOCK-UP)

19 FEB 2015

★ ★ USE RESPONSIVE META TAG ★ ★

VERTICAL RATIOS

- VIDEOS, BLOCKQUOTES, ETC.
- USE CSS PADDING BOTTOM (IN A WRAPPER)

RESPONSIVE IMAGES

CSS:

BLANKET RULE: (IMAGES WILL FILL THEIR CONTAINERS):

img { max-width: 100%; }

img, embed, object, audio, video { max-width: 100%; }

RESPONSIVE VIEWPORT TOOL

CHROME DEVELOPER TOOLS → CLICK ON MOBILE ICON

JAVASCRIPT RESPONSIVE ISSUES

CODE FOR REMAIN DOCUMENT READY FUNCTIONS ON RESIZE

TYPOGRAPHY

- SET FONT SIZE TO 100% AS BASE:

body { font-size: 100%; } > GENERALLY EQUIVALENT TO 16px IN MOST BROWSERS.

★ REMAINING SIZES IN EMS ★

h1 { font-size: 2.25em; }

↳ equiv: 36px [36/16]

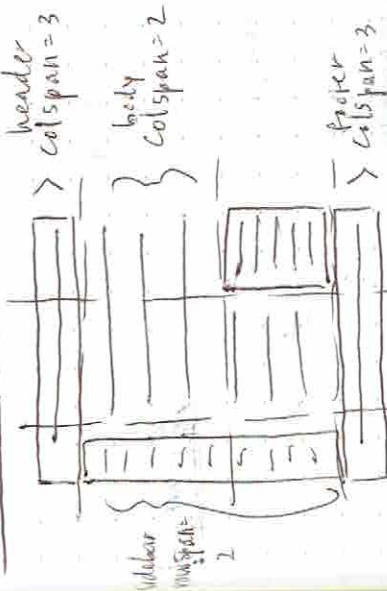
★ FOR MEDIA QUERIES, INCREASE BASE FONT SIZE ★

@media-screen AND (max-width: 480px) {

body { font-size: 120%; }

[EVERYTHING WILL GET BIGGER, INCLUDING OTHER TEXT ELEMENTS]

HTML EMAIL



(table cellpadding=0 border=0 width=100%)
<tr><td>
</td>
</tr>
</table>

<tr>
<td colspan=3>
header content
</td>
</tr>

<tr>
<td rowspan=2>
sidebar content
</td>
</tr>

<tr>
<td colspan=2>
body content
</td>
</tr>

<tr>
<td>
bottom body content
</td>
</tr>

<tr>
<td>
content content
</td>
</tr>

★ wrap table w/
empty table, can
add background color.

★ ★ Specify width
(in pixels) of
every cell.

★ ★ table will render
@ widest width.

CAMPAIGN MONITOR
(FOR TESTING HTML
EMAILS ON DIFF
CLIENTS)

<tr>
<td colspan=3>
footer content
</td>
</tr>
</td>
</tr>
</td>
</tr>
</td>
</tr>

RESPONSIVE IMAGES

<picture> (+ polyfill)

- RESPONDS & REPLACES IMAGE BASED ON MEDIA QUERY

19 MAR 2015

FLUX BOX

- GRID LAYOUT (BUT NOT FULL-PAGE)
- COLUMN SPACING
- INPUT ADD-ONS

PROPERTIES FOR CONTAINER: (EXAMPLES)

- DISPLAY: FLEX
- FLEX-DIRECTION: ROW / ROW-REVERSE / COLUMN / COLUMN-REVERSE
- FLEX-WRAP: NOWRAP / WRAP / WRAP-REVERSE
- PROPERTIES FOR CHILDREN:

ORDER: <INTEGER>; (i.e. ORDER: 2;)

- DESIGN GRID W/ FLOATS & THEN ADD FLEXBOX ON TOP (FLOATS NOT AS FRACTION)

DEVELOPER TOOLS

- SAFARI → ADVANCED → SHOW DEVELOP MENU
- NOT IN INSPECTOR: (CSS NOT APPLYING AS EXPECTED)
- ISSUE W/ SELECTOR
- ISSUE W/ MEDIA QUERY
- UNCLOSED BRACKET IN CODE

CODING BEST PRACTICES

- LOAD 1 JQUERY LIBRARY (USE LATEST VERSION ASSOCIATED W/ PLUGIN)
- JQUERY / JS FILES - DON'T APPLY CHANGES TO PLUGIN JS FILES / CSS
- <HEAD> SHOULD BE SAME ON EVERY PAGE EXCEPT FOR TITLE.
- TITLE USEFUL FOR SEO.

FORMS

26 MAR 2015

LABEL TAG FOR INPUTS

- ACCESSIBILITY (FOR SCREEN READERS)
- RADIO & CHECKBOXES (ABLE TO TOUCH / CLICK ON LABEL TO SELECT ITEM)

- HAS ATTRIBUTE TAG "FOR=" WHICH SHOULD BE SAME AS INPUT / TEXTAREA ID & NAME. (NAME IS USED BY SERVER)

- TYPE ATTR = WHAT TYPE OF INPUT EXPECTED

[INPUT, LABEL - DEFAULT DISPLAY: IN LINE → DISPLAY: BLOCK]

- INPUT [TYPE=TEXT] { ← TARGETS ALL INPUTS OF THIS TYPE
WIDTH: 100%;
REGARDLESS OF CLASS / ID.

- FIELDSETS: GROUPS OF INPUTS W/ IN A FORM.

- OVERRIDE DEFAULT STYLING:

FIELDSET {

BORDER: NONE;

PADDING: 0;

CODING TOOL:

[BRACKETS]

CODING PRACTICES

- <NAV> SAME ON EACH PAGE

- TEMPLATING OR PHP INCLUDES (REQUIRES SERVER)

DIETMANNWEBER
(SITE)

- ADD SERVER TO CODING TOOL (VIA FTP)
- SAVE HTML FILE FOR TEMPLATE AS .PHP
- SERVER CODE THAT SHOULD APPEAR IN EACH PAGE IN FILE NAME ".INC"
- IN HTML, ADD PHP CODE: <?PHP INCLUDE "TOP INCLUDE" - SAVE AS .PHP FILE.

15 APR 2017

- SEO
- CONTENT / SEMANTICS
 - PAGE TITLES
 - MEANINGFUL HEADINGS
 - META KEYWORDS & DESCRIPTIONS
- * SIGN UP FOR GOOGLE WEBMASTER TOOLS *
- SEARCH RESULT ANALYSIS
 - SEO / INDEXING ANALYSIS

ICONS (FAVICON)

- .ICO FILE CAN CONTAIN MULTIPLE SIZES (32x32, 16x16, 64x64, 128x128)
- (x-icon editor)
- FAVICON IS [FURN FAVICON PLUGIN]
- APPLE TOUCH ICONS (MOBILE / TABLETS) - FOR BOOKMARKS IN BROWSER.

[* MAIL TO LINK WILL COLLECT SPAM.]

RESPONSIVE FORMS

- INTEGRATE CAPTCHA TO MITIGATE SPAM ROBOTS.
- FORM METHOD = POST (FOR FORMS w/ TEXTAREAS, ITEMS TO BE SUBMITTED)
- FORM ACTION = WHERE TO SUBMIT TO (CURL), KEEP BLANK FOR PHP CODE.

IF (isset(\$_POST['submit']))

- FOR CHECKBOXES, NAME SHOULD INCLUDE BRACKETS AS SUFFIX (FOR PHP TO RECOGNIZE AS ARRAY)
- CAN USE PHP TO PRINT THANK YOU MESSAGE OR REDIRECT TO THANK YOU.

PHP MAIL CODE

CAN REPLACE w/ VARIABLE FOR EMAIL

```
mail("email@email.com", ] → REPLACE w/ [VARIABLE]
"subject line",
"message of email", ] → REPLACE w/ [VARIABLE]
"from: email@email.com");
↓
$message
```

CREATE VARIABLE FOR FORM CONTENT

```
$message = "";
```

```
foreach($_POST as $key => $value) {
    $keys = trim($value);
    $message .= $key . " = $value \r\n \r\n";
}
```

CREATE VARIABLE FOR EMAIL

```
$myEmail = "email@email.com";
```



```
mail($myEmail,
"subject line",
$message,
"from: $myEmail");
```

FINAL
PHP MAIL
CODE

- SERVER-SIDE VALIDATION - CREATE VARIABLES FOR ALL REQUIRED FORM FIELDS:

```
$required = array('name', 'email', 'comments');
$missing = array();
$error = array();
foreach($required as $item) {
    if (!isset($_POST[$item]) || empty($_POST[$item])) {
        $missing[] = $item;
    }
}
```




```

IF (!FILTER_VALIDATE_EMAIL) {
    $errors[] = "email";
}

```

```

if (!isset($_POST['email'])) {

```

```

    mail(
        "
    );

```

```

    print - thank you -

```

```

} else {

```

```

    print - other message -

```

- GOOGLE RE-CAPTCHA

- SIGN UP

- INSERT SCRIPT TAG IN HEAD >

- INSERT DIV IN FORM (w/ SITE KEY)

- THEN VALIDATE GOOGLE CAPTCHA IN PHP CODE

- CAN INSERT PHP FOR SINGLE FIELD VALIDATION -
TO DISPLAY MESSAGE IF ENTRY IS MISSING OR
INVALID

* GOOGLE PAGESPEED INSIGHTS - OPTIMIZING FOR MOBILE
PERFORMANCE.

* WINDOW RESIZE → TESTIMONIAL DIV RESPONSIVE

* ISOTOPE PLUGIN: PORTFOLIO / STACKED IMAGE; INCLUDE
H&W IN ATTRIBUTES.

* FONT SQUIRREL

* SASS MIFISTER [CSS COMPILER] / SASS DIRECTOR / PORTA
(TERMINAL - "OF SPREAD SHEET PROGRAM")

WORDPRESS

WORDPRESS T

- PAGE
- INDEX
- SINGLE
- SIDE
- 404

* WP HIERARCHY

THEME CSS

/* - TWO
- AN
- A
- V
*/

CHILD THEM

- PARENT
- CHILD
- THEME
- P
- S