

Class 01 – September 14, 2017

Class notes for Class 1 on 9/14. If you have any questions, don't hesitate to ask on Slack or send me an email.

Responsive Design

Responsive Design is designing a layout that will change based on screen size of the device you are viewing a webpage on. It should not remove any content and it should look good on any screen size.

Please read <https://developers.google.com/web/fundamentals/design-and-ui/responsive/>
It goes over a lot of what we went over in class without the in class exercises.

Another reference for further understanding and practice use:
https://www.w3schools.com/css/css_rwd_intro.asp

Slack

Once there, please go to the #class1 channel – there is a link in #announcements.

Class Exercise

Create a new folder in your class folder and name it 'class 1' – The in class project exercise and homework will go here.

Here is the source code for the in class exercise, most of it should be a review of CSS/HTML as well as an introduction to responsive design. If you do not understand any parts of the code, please use the links about responsive design as a reference to understand. If you still have questions, you may come to me with them via Slack or email.

<https://github.com/bvandorn/idesn3535-penguin/blob/master/class1/class-notes.html>

It is very important that you understand what is happening with this code. Resize your browser window to different widths to experiment with how it changes. We will be building off of code very similar to this next week in class.

The Web Inspector (Developer Tools)

In class we introduced the developer tools in Chrome – It is important to use Chrome for this as Safari (and other browser) developer tools are all different. There is a lot that goes into the developer tools and they are very powerful but we have just scratched the surface. Here is the documentation. Please review the sections on 'Device Mode' and the 'Elements Panel'

<https://developers.google.com/web/tools/chrome-devtools/>

Homework

(Much of this was in-class work that is to be finished as homework for the next class – We will be building upon it so it is essential that it is complete.)

Choose a site that you particularly like and/or use often. Ensure that it is responsive by changing the size of your browser window to view it big, medium, and small. There should be visible changes between the three viewports that you can identify. See the next page for an example – notice how the site goes from two columns to one column, then removes the scores from the top and changes the header as the width of the screen becomes smaller.

Once you've chosen your site, post a link to it in the #class1 channel in Slack. Please review the channel for sites that others in the class have used. Do not pick a duplicate site – yours should be unique within the class.

Please print out the following templates:

- <https://github.com/bvandorn/idesn3535-penguin/blob/master/class1/mobile-template.jpg?raw=true>
- <https://github.com/bvandorn/idesn3535-penguin/blob/master/class1/tablet-template.png?raw=true>
- <https://github.com/bvandorn/idesn3535-penguin/blob/master/class1/web-template.jpg?raw=true>

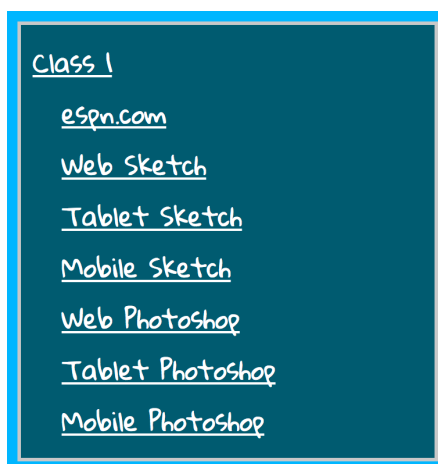
Use these to create a block sketch of your site in three different screen sizes, one for desktop, one for tablet, and one for phone. These sketches should accurately represent the main sections and components that make up your website. Here are links to three examples for espn.com:

- <https://github.com/bvandorn/idesn3535-penguin/blob/master/class1/web-espn.jpg?raw=true>
- <https://github.com/bvandorn/idesn3535-penguin/blob/master/class1/tablet-espn.jpg?raw=true>
- <https://github.com/bvandorn/idesn3535-penguin/blob/master/class1/mobile-espn.jpg?raw=true>

Once complete, open up photoshop/illustrator/sketch (whatever is your preference) and create a block wireframe of your site for each of the three sketches you've made. They should accurately represent the main sections of your site.. Here are examples for the three sketches from espn.com:

- <https://github.com/bvandorn/idesn3535-penguin/blob/master/class1/ps-web.jpg?raw=true>
- <https://github.com/bvandorn/idesn3535-penguin/blob/master/class1/ps-tablet.jpg?raw=true>
- <https://github.com/bvandorn/idesn3535-penguin/blob/master/class1/ps-mobile.jpg?raw=true>

Save all of these images in your class1 folder and link to (or embed) them from your index.html file that you customized for homework last week. Also link to your website. There should be a total of 7 links. Something like this:



Commit and push your changes to github and update your surge website (see class0 notes on how to do this).

Next week we will be building our responsive site with HTML/CSS and have a working responsive prototype.

An example of a responsive site - espn.com:

TOP EVENTS

Final

NE 36

NFL

GB 0

9:51 - 1st

NBC

Final

CHI 7

Final

BUF 3

Final

CLE 10

Final/OT

ARI 16

Final

PHI 20

Final

TE 27

ESPN

TennisNFLNBAMLBNAACF...

WatchListenFantasy

0:35

Anderson scores a pair of TDs C.J. Anderson catches a short pass from Trevor Siemian and runs for a 16-yard score in the second quarter. In the third, Anderson rushes 23 yards for a touchdown.

DAL 1-1

17

Final

42

DEN 2-0

Siemian, Broncos D dominate Cowboys

Denver QB Trevor Siemian passed for 231 yards and four touchdowns, while the Broncos' defense picked off Dak Prescott twice including a late pick-six.

PATRIOTS

NFL

Patriots rookie Deatrich Wise a disruptive

Top Headlines

Clemson now No. 2 in AP poll, behind Bama

Saints bench safety Vaccaro amid trade rumors

Ravens' Pro Bowler Yanda done for season

Dolphins' Timmons inactive after going AWOL

Bobby 'The Brain' Heenan, WWE HOFer, dies

Panthers TE Olsen breaks foot in win vs. Bills

How to bet Detroit-New York on MNF

Favorites

Patriots

NFL

Final

20-36

Fantasy

DIY Plumbus

Wrestlemania

VS ARAD

Week 2

31.66 - 49.24

Manage Favorites

TOP EVENTS

Final

NE 36

NFL

GB 0

9:10 - 1st

NBC

Final

CHI 7

Final

BUF 3

Final

CLE 10

Final/OT

ARI 16

Final

PHI 20

Final

TE 27

ESPN

...

...

0:35

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TOP HEADLINES

ESPN

SCORES

0:35

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