Systems

What is a grid system? (as it relates to design)

A framework of intersecting lines meant to be used as a skeleton to arrange different graphic elements Inspiration

Applying Divine Proportion to Your Web Designs Syncotype. Syncotype is a simple tool to help align your text to a baseline grid. Enter your This article explains what is the Divine proportion. line height and offset in. pixels in the Syncotype. and what is the Rule of Thirds and describes how control box and click "Syncotype It" to overlay a you can apply both of them. effectively to your designs. baseline grid in red. 01.Dec.2008 01.Dec.2008

The. Typograph Wis consider 5 academic part Systems," Har Bosshard tack the complex o 30.Nov.2008

Vermont Symphony Orchestra

Johnson State College Dibden Center for the Arts

01/26/07 02/17/07 Lyndon State College Middlebury College

Doane Paper

Utility Notebook

A portable notebook featuring a patent pending

Grid+Lines stationery. design that combines the

benefits of grid and ruled. lines onto a single.

sheet of paper.

28.Nov.2008

by Norm that was

Ace Jet 170

Hide Grid

Athletics

BBDK

Blanka Build

Corporate Risk Watch

David Airey Dirty Mouse

Experimenta

Experimental Jetset

Form Fifty Five

Grafik Magazine Grain Edit.

Graphic Hug

Hello Muller

© New York Code + Design Academy 2014

which, given any number,

of Design

Grid Systems Grid Systems provides a

rich, easy to understand.

InDesign 11x17 Grid System (12) Adobe inDesign file with a

8.5×11

tem (12)

on file with

or an 8.57x1

nows using

Wided into 12

Replica Typeface Replice is a new typeface.

What is a grid system? (as it relates to CSS + web design)

- Rather than arbitrarily deciding how large content blocks on a web page should be, have them conform to a set width
- Going further, instead of a set width for each block, decide on a width unit and make certain blocks x number of that unit wide
- Makes for more symmetrical designs and easier to maintain, more easily responsive code

Existing grid system options

<u>Bootstrap</u>

Zurb Foundation

<u>Unsemantic</u>

Responsive Grid System

Using Bootstrap's grid system

- Bootstrap is a full-featured front end CSS framework
- It is written in LESS, a higher-level version of CSS that gets compiled down to CSS
- To use Bootstrap, you include their library in the <head> section of your webpage
- Different features of the library are accessed using class names like . row for your elements

Using Bootstrap's Grid System according to the official docs at getboostrap.com/css

- Rows must be placed within a .container (fixed-width)
 or .container-fluid (full-width) for proper alignment and padding.
- Use rows to create horizontal groups of columns.
- Content should be placed within columns, and only columns may be immediate children of rows.

Using Bootstrap's Grid System according to the official docs at getboostrap.com/css

- Predefined grid classes like .row and .col-xs-4 are available for quickly making grid layouts.
- Columns create gutters (gaps between column content) via padding. That padding is offset in rows for the first and last column via negative margin on .rows
- Grid columns are created by specifying the number of twelve available columns you wish to span. For example, three equal columns would use three .col-xs-4

Using Bootstrap's Grid System

some sample code

```
<div class="row">
 <div class="col-md-8">.col-md-8</div>
  <div class="col-md-4">.col-md-4</div>
</div>
<div class="row">
  <div class="col-md-4">.col-md-4</div>
 <div class="col-md-4">.col-md-4</div>
  <div class="col-md-4">.col-md-4</div>
</div>
```

Exercise

Create the webpage mocked up in the file bootstrap.png using Bootstrap's fluid grid system

Creating your own grid system

- You could also create your own grid system
- For inspiration, take a look at one of the major frameworks' code!

https://github.com/twbs/bootstrap

https://github.com/nathansmith/unsemantic