It’s Never Been A Better Time to Learn Layout CSS

Jen Simmons
Codeland in NYC
May 2018
CSS  Layout
CSS for Layout is HARD
CSS for Layout was HARD
Everything You Know About Web Design Just Changed

Jen Simmons
An Event Apart Seattle
April 2018
“New people are at such an advantage right now.”

– Several Famous Web Heroes

at An Event Apart Seattle 2018
You don’t have to learn all the old crappy hacks.

And you aren’t stuck in old models of thinking...
Plus... no one knows anything yet. You can become an expert by leap-frogging over all the people who are dragging their feet.
The Way Layout Works on the Web
Simple HTML
This is my first headline
Flow
Here's the Homestead!

To navigate, just click in the direction you want to go. I've put in some navigation aids in places where there isn't any better solution. Many things in the various rooms are linked, and more and more will be linked as I get more time. There are also places that don't go anywhere at this time, but will later. This is very definitely evolving and growing as I get the time.

The pictures throughout the house were taken with an Apple QuickTake 100.

Send me some mail, tell me what you think.

I don't actually live there anymore, so I can't add much to it, but I'm still interested in comments.

????????@outer.net
Apple Computer User's World

Apple Computer presents the Internet Server for the benefit of its loyal user community. Often it is difficult to find a specialist, a dealer or sign up for a local seminar. This server is dedicated to interacting with our users using 100% Apple computers, MacHTTP, AppleScript, databases, and custom C++ applications.

Since this server is in phase 1 of construction everything is not completed, please visit again soon to check on our progress. Enjoy! Let us know how we can better serve you... "the Apple User".

Apple Around The World Calendar

This section contains calendars of events where Apple will be hosting or participating.

Apple Developers Calendar

Apple Market Centers / Sales Offices

This section contains information and calendars of activities for the Apple Market Centers / Sales Offices in the USA.

West
Connecticut, Massachusetts, New Jersey, New York, Pennsylvania, Washington DC

South

The Cast Stone Institute is an organization of Cast Stone Manufacturers, Associates, Professional Architects, Engineers, and Concrete Technologists formed for the purpose of improving the quality of Cast Stone and disseminating information regarding its use. The activities of the Institute are designed to benefit both the industry and its patrons.

The Institute solicits the cooperation of Architects and users of Cast Stone. It invites requests for information and assistance in matters involving Cast Stone.

Happy Holidays from the members of the Cast Stone Institute!
MSLINK

MSLINK PROJECT HOME PAGE

Graphic Version

MSLINK project aims to provide Internet access to people with Multiple Sclerosis by utilizing computers donated by corporations. MSLINK Home page provides various services such as the National Multiple Sclerosis Society Mid America Chapter Events, Discussion Area, MS Library and many others. Please take a look at What's New.

Calendar: NMSS Mid-America Chapter and other MS related activities.
Library: Check out our library for information about Multiple Sclerosis and more...
Discussion: Would you like to share your opinion with others? Tune into our discussion group...
Links: May we suggest a few sites to visit? You do not have to search for MS, we have already done it for you.

What's New and Coming Soon

The following is a list of recent additions to our web. Every month we'll remove the oldest items. The most recent changes are listed first, and each item is linked to the page with the updated content.

- We have added new documents to our library.
- We are opening a discussion session which will enable you to post questions and opinions.
- We are going to open an "Ask the Expert" section.
We need art!

Tables for Layout
two images. Without it, there would be a crack, giving away my trick.

The Inner Tables

As the page takes shape, I plug in the cell contents one at a time. Once I splice the arrows back together, I can see the light at the end of the table. Right after that comes the #Common variable, which is the table containing the above table's elements. I want to simultaneously copy and paste the above table as a whole, but the page creator has made those little tables independently. These little tables make it easy to copy and paste as individual units when I want to add new items to my page (you can view the source HTML at the Book Site [7.14]).

That's all there is to it. I add some text links at top and bottom, and I'm ready for visitors.

This page is not as flexible as I'd like, of course. As I add new features, creating the tables gets harder and harder.
We need art!

Flash
Display the Timeline by choosing View > Timeline (Ctrl-Alt-T / Cmd-Option-T). The default layer, named Layer 1, is automatically
Softpedia Test
Separation of Concerns

HTML = content + interface

CSS = styling look & layout
chapter 7 > tighter, firmer pages guaranteed

Note that image height and width attributes, although useful, are not strictly necessary. Note also that, thanks to CSS, the border attribute is entirely unnecessary, even though we have included it here for the sake of old browsers. Our markup could be as clean and simple as this:

```html
<div id="primenav">
<a href="/"><img src="/home.gif" alt="Home" /></a>
<a href="/"><img src="/dailyreport.gif" alt="The Daily Report" /></a>
<a href="/glamorous"><img src="/glamorouslife.gif" alt="My Glamorous Life" /></a>
<a href="/classics"><img src="/classic.gif" alt="Classics, 1995-2002" /></a>
</div>
```

Compare and contrast the compactness and clarity of the preceding markup with the typical table layout version shown here:

```html
<table border="0" cellpadding="0" cellspacing="0" width="500">
<tr>
<td valign="top" width="150" height="100" bgcolor="#339999">
<a href="/"><img src="/home.gif" width="150" height="100" border="0" alt="Home" /></a>
</td>
<td valign="top" width="140" height="100" bgcolor="#339999">
<a href="/"><img src="/dailyreport.gif" width="140" height="100" border="0" alt="The Daily Report" /></a>
</td>
<td valign="top" width="110" height="100" bgcolor="#339999">
<a href="/glamorous"><img src="/glamorouslife.gif" width="110" height="100" border="0" alt="My Glamorous Life" /></a>
</td>
<td valign="top" width="100" height="100" bgcolor="#339999">
<a href="/classics"><img src="/classic.gif" width="100" height="100" border="0" alt="Classics, 1995-2002" /></a>
</td>
</tr>
</table>
```

There’s no contest. But compact markup and meta-structural thinking are not limited to CSS layouts. They can power and streamline table-based layouts, too. 

Designing with Web Standards
Jeffrey Zeldman, 2003
Semantic Markup
Absolute Positioning
In this session the two inventors of CSS will talk about what they’d do differently if they could design CSS all over again. For instance, was the C-language syntax optimal, or should CSS1 have been even simpler to achieve quick and widespread interoperability?
Fluid Layouts using Floats
This is my first headline

Lorem ipsum dolor sit amet consectetur adipiscing, elit inceptos nunc et litora, cras class id morbi viverra. Leo in hac vel sed molestie fringilla fusce orci, dis nibh pharetra quisque inceptos interdum tortor, porta parturiem varius magna curae feugiat vestibulum egestas, suscipit facilis accumamus torquenapt lobortis. Non dictum feugiat linteraen consecuunt per odio ante porta eget senectus, ac accumsan ligula lacnet vivamus sociis mollis habitasse magna, felis massa dis id malesuada donec ut pulvinar iaculis.

Let’s center the second even longer headline

Let's center the second even longer headline


This is my first headline

Fixed-Width Layouts using Floats
This is now the first set of content

This is my first headline

Lorem ipsum dolor sit amet, consectetur adipiscing, elit inceptos hunc at flore, crae classi i mori vivere. Leo in hac vel sed mollette fringilla fusce orci, dis nibh pharetra quisque inceptos interdum tortor, porta parturient varias magna orci feugiat vestibulum egestas, suscipit facilisi accumsan tempus aper

Porta eget sapiens, ac accumsan ligula semper. Vivamus scilicet morbi habitasse magna. Tellig massa dis id malesuada donec ut pellentesque faucibus.
Intro Copy Headline

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Quick Links

- Home
- Event
- Support
- Contact

Announcements / Promoted Content

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Coming Soon

<table>
<thead>
<tr>
<th>Item Title</th>
<th>Item Category</th>
<th>$88.00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Flow-only

HTML Tables

Flash

Fluid

Fixed

Responsive
Responsive Web Design
This is the Article with a Longer Headline

Bootstrap, from Twitter

Bootstrap is a toolkit from Twitter designed to kickstart development of web apps and sites. It includes base CSS and HTML for typography, forms, buttons, tables, grids, navigation, and more.

Nerd alert: Bootstrap is built with Less and was designed to work out of the gate with modern browsers in mind.

About Bootstrap

Brief history, browser support, and more

History

Engineers at Twitter have historically used almost any library they were familiar with to meet front-end requirements. Bootstrap began as an answer to the challenges that presented. With the help of many awesome folks, Bootstrap has grown significantly.

Read more on dev.twitter.com.

Browser support

Bootstrap is tested and supported in major modern browsers like Chrome, Safari, Internet Explorer, and Firefox.

What's included

- New in 1.3 Javascript plugins
- All original .less files
- Fully compiled and minified CSS
- Complete styleguide documentation
- Three example pages with different layouts
WE’RE UNIQUE

FIND OUT HOW UNIQUE

This is the bit where you talk about how unique you are as a business and that you’re different to all of your competitors. Your website looks the same though.

Always
You could have four columns here but you won’t. You’ll have three, like everyone else.

Three
Have a cog icon above one of these columns if you’re really feeling especially creative.

Columns
The perfect place to talk about your services. Because co-incidentally, you have three of them.

If someone did own the copyright to this layout, if that were even possible, they’d be rich!

drawing by Dave Ellis
novolume.co.uk
Intrinsic Web Design
Flow
Flexbox
CSS Grid
Multicolumn
CSS Grid | Flow
Flexbox | Floats
Alignment | Block
Writing Modes | Inline
Multicolumn | Inline-block
Viewport Units | Display: table
Transforms | Margin
Object Fit | Negative margins
Clip-path | Padding
Masking | Positioning
Shape-outside | & everything else in CSS
Initial-letter |
Images
Fixed Images, like pre-RWD
Fluid Images, like RWD
Set width & height
object-fit: cover;
Grace Hopper
December 9, 1906 – January 1, 1992

Invented the first compiler
Popularized the idea of programming languages
Coined the term “debugging”

youtube.com/layoutland
CSS Grid tracks (rows & columns)
Responsive Web Design

everything squishes at the same rate
FR units (like %s, but better)
minmax()
fixed size
auto
Nullam iure ut verum ex. Vestibulum et
sed tempus odio, ut phasellus
umla. Phasellus
vestibulum et
sed tempus odio,
Ut

Vestibulum et
sed tempus odio,
Ut

Vestibulum et
sed tempus odio,
Ut

Vestibulum et
sed tempus odio,
Ut


Intrinsic Web Design
176: Intrinsic Web Design with Jen Simmons

April 27, 2018 at 4:00PM • 1 hour 9 minutes • Wiki Entry

Jen Simmons—Designer Advocate at Mozilla, creator of Firefox Grid Inspector, host of Layout Land and The Web Ahead, member of the CSS Working Group, color of Intrinsic Web Design, and general force of nature—is Jeffrey Zeldman’s guest.


Hosted by Jeffrey Zeldman.

TRANSCRIPT: INTRINSIC WEB DESIGN WITH JEN SIMMONS (THE BIG WEB SHOW)

The following is a transcript of The Big Web Show Episode #176: Intrinsic Web Design with Jen Simmons.

Jeffrey Zeldman: Hello, and welcome to the Big Web Show, everything that matters. I’m Jeffrey Zeldman, your host, and my guest today is the amazing, the incredible Jen Simmons. Hi, Jen.

Jen Simmons: Hi, Jeffrey. I’m so excited. I haven’t been on a podcast in such a long time. I actually have missed it so much, so thank you for having me.

Jeffrey Zeldman: It’s fun. It’s my pleasure. Thank you for coming on the show, Jen. If you don’t know, as a designer advocate at Mozilla, she’s the creator of the Firefox Grid Inspector, which someone on Twitter today said was probably not the Drummer or the Macau, but was like, part of that. We used to talk, “Web design ever going to be done visually and not by code?” and said, “No, it couldn’t be,” and so this might be the start of it. This person was saying that there’s this… It wasn’t the Grid Inspector. It was the silhouette, the mere...
youtube.com/layoutland
Resilient CSS: 7 part Series

1. Introduction to Resilient CSS – 1/7
   Layout Land
2. Can I Use? The Secrets of ‘Can I Use’ – 2/7 Resilient CSS
   Layout Land
3. How Browsers Handle Errors in CSS – 3/7 Resilient CSS
   Layout Land
4. Unlocking the Power of CSS Overrides – 4/7 Resilient CSS
   Layout Land
5. The Magic of Feature Queries, Part 1 – 5/7 Resilient CSS
   Layout Land
6. The Magic of Feature Queries, Part 2 – 6/7 Resilient CSS
   Layout Land
7. Making Your CSS Fail Excellently – 7/7 Resilient CSS
   Layout Land

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Intro to CSS Grid

5 Basic Examples of how CSS Grid Works

12 Variations of Card Layouts

Monopoly on CSS Grid

Study of Viewport

The Experimental Layout Lab of Jen Simmons

2017 Exercises
2016 demos

See how these demos work by interacting them:

labs.jensimmons.com
Thanks!

jensimmons.com

@jensimmons

layout.land

labs.jensimmons.com