Peter Sylwester

Senior Software Engineer

Institute Disease Modeling

1 server to billion computers

Eddie Bauer website. Funky before. No website.

Now with website,

15-minute website downtime could lose millions of dollars.

Web server traffics the data.

Database takes a special kind of person.

**Sublime Text**

* Analogy. Like making memes on facebook. Looks like text editor.

**Code Pen (codepen.io)**

* Online

**ATOM (atom.io)**

* Program the program

**JET BRAINS**

* Like the photoshop for web developer

**WEBStorm**

* Smartest JavaScript IDE
* Like sublime.

**Google Chrome**

* Developer friendly. Tools are better compared to other browsers.

**Firefox or Microsoft Edge**

* Is okay

**GitHub**

* Most developers post code here.
* get code by “fork” to make a copy.
* “google” of code.

**… in the workshop**

**GitHub**

Search “tutorial-receipe” click ptrdo

Open sublime text

Open tutorial-recipe-master

---- simultaneously ---

open code pen

search “atlantic beach pie”

click “projects”

don’t need to download stuff

click “atlantic beach pie 1”

in recipe\_05.html

click “fork” to get a copy.

--- back to sublime text---

you can also open it in a web browser.

---- Go to Google Chrome ---

Open File…

Open “recipe\_01.txt”

---- Back to sublime text ----

Right click recipe\_01.txt to rename. (or control + click)

Rename “recipe\_01.txt” to “recipe\_01.html”

--- in google chrome---

edit address “.txt” to “.html”

“returns and tabs” computer doesn’t care when in html. Will print in no spaces.

--- in code pen ---

do the same.

Rename receipe\_01.txt to .html

look the same. (txt and html in code pen.. but…)

But when previewed in browser. Would show the same. (there’s a preview pane also)

--- in sublime text ---

In recipe\_01.html, put first line to 10th line (by pressing ENTERs).

In the new first line,

1 <!DOCTYPE html>

--- in code pen ---

do the same as above.

--- in sublime text ---

2 <html>

54 </html>

everything in between is html. between html and /html.

still no difference after you run.

--- in code pen ---

do the same as above.

--- in sublime text ---

html has a “head” and a “body”

3 <head></head>

4 <body>

53 </body>

“<body>” “</body>” should be inside “<html></html>”

every html page in the world has this.

To be safe. Have per step in different files.

--- in recipe\_02.html --

<meta charset=”utf-8”>

*would tell the webpage what language/nationality.*

<title>

in line 15

Bill Smith's Atlantic Beach Pie

*edit to*

<h1>Bill Smith's Atlantic Beach Pie

*it will bold everything. Because there was no </h1> (no end).*

<h1>Bill Smith's Atlantic Beach Pie</h1>

*will bold the text between <h1> and </h1>*

--- in code pen ---

do the same as above.

--- in sublime text ---

in line 9 “… a sweet salty twist”

A sweet-salty twist on a classic North Carolina lemon pie that's as lazy and beachy as summer should be.

*Edit to*

<p>A sweet-salty twist on a classic North Carolina lemon pie that's as lazy and beachy as summer should be.<p1>

*would result to line spacing*

--- in google chrome ---

google “mdn html element” 2nd to GitHub as a resource

HTML element reference in mdn html element (like a dictionary).

Don’t bother using <acronym>. <blink> was outlawed.

--- in sublime text ---

<p>A sweet-salty twist on a classic North Carolina lemon pie that's as lazy and beachy as summer should be.</p>

*Edit to*

<p>A <i>sweet-salty</i> twist on a classic North Carolina lemon pie that's as lazy and beachy as summer should be.</p>

other shortcuts.

*mouse highlight “sweet-salty” then click “edit” then “tag” then “wrap selection with tag”*

--- next ---

1 1/2 sleeves of saltine crackers (about 6 ounces or 60 crackers)

1/2 cup softened unsalted butter

3 tablespoons sugar

*Edit to*

<ul> 1/2 sleeves of saltine crackers (about 6 ounces or 60 crackers)

1/2 cup softened unsalted butter

3 tablespoons sugar</ul>

*would result to one line.*

--- next (the correct) ---

<ul> 1/2 sleeves of saltine crackers (about 6 ounces or 60 crackers)

1/2 cup softened unsalted butter

3 tablespoons sugar</ul>

*Edit to*

<ul>

<li>1/2 sleeves of saltine crackers (about 6 ounces or 60 crackers)</li>

1/2 cup softened unsalted butter

3 tablespoons sugar</ul>

*Edit to organize like this*

<ul>

<li>1/2 sleeves of saltine crackers (about 6 ounces or 60 crackers)</li>

<li>1/2 cup softened unsalted butter</li>

<li>3 tablespoons sugar</li>

</ul>

*----*

*internet explorer was a pain because it lets you print with mistakes*

*---*

--- in recipe\_03.html ---

<blockquote>

*like <p> but with indent.*

--- now we add image in recipe\_03.html ---

IMAGE

*Replace to*

<img src="images/pie.jpg"/>

*this would insert the image*

<img src= "images/pie.jpg"/>

*has space after src= which wold not work.*

<img/>

*no opening (<img>), because it is an information holder.*

--- with the image ---

*it is too big!*

*How to resize??*

<img src="images/pie.jpg" />

*Edit to*

<img src="images/pie.jpg" width="40" />

*it is too small!*

*Need a quantifier in 40 or do something else.*

CSS would tell how should the HTML should look like.

Look for <style> in line 12

<style>

</style>

*Edit to*

<style>

img { width: 40em; }

</style>

NOTE: img { width: 40em; } *is a piece of CSS.*

<style>

img { width: 40em; }

</style>

*Edit to*

<style>

img { width: 45em; }

</style>

--- next ---

<style>

img { width: 45em; }

</style>

*Edit to*

<style>

img { width: 45em; border: 4px solid red;}

</style>

*rearrange for better reading*

img {

width: 45em;

border: 4px

solid red;

}

</style>

--- next --- to put “p”.

img {

width: 45em;

border: 4px

solid red;

}

*Edit to*

img {

width: 45em;

border: 4px

solid red;

}

p {

margin: 4em;

color: red;

font-size: larger;

}

NOTE: *ALL WRAP IN THE P TAG WOULD BE FORMATTED.*

HTML classifies stuff.

CSS let you do whatever you want.

Check out recipe\_10.html

--- what google uses to categorize ---

<meta charset="utf-8">

<title>Bill Smith's Atlantic Beach Pie</title>

<meta name="publisher" content="Bellevue College"/>

<meta name="copyright" content="2014"/>

<meta name="language" content="English"/>

<meta name="description" content="Bill Smith's Atlantic Beach Pie. A sweet-salty twist on a classic North Carolina lemon pie that's as lazy and beachy as summer should be."/>

<meta name="keywords" content="recipes, pie, atlantic beach pie, bill smith, key lime pie"/>

<meta name="revised" content="Peter Sylwester, 2017/09/18"/>

<meta name="viewport" content="width=device-width, minimum-scale=1, maximum-scale=1;"/>

<meta http-equiv="cleartype" content="on">

<meta http-equiv="X-UA-Compatible" content="IE=edge,chrome=1">

<link rel="stylesheet" type="text/css" href="styles/recipe.css" />

--- next in recipe\_09.html in google chrome ---

mouse highlight “sweet”, right click and “inspect”.

Then in figcaption, under margin. *Tab. Tab.* Type font-size.

You can also edit other websites and changes would only appear in your own browser.

--- in firefox has inspect element with firebug”

Easy page to make.

medium.com

Is there any value in people who cannot write write in JavaScript?

By Mandy Micheal

FTEs – full-time employees.

But most are temporary workers.

Temporary employment agencies.

Recommend temp employment for html and css.

petersylwester@gmail.com