



Adobe Brackets

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Reminder

- o Presentation on Easel/ CreateJS delayed until next Tuesday
- o That presenter is at AdobeMax

Background

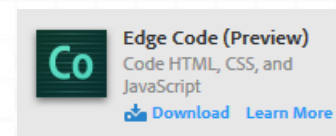
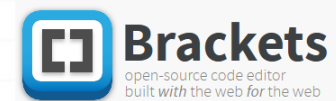


- Working with HTML for 21 years
- **Professor** at Illinois Central College
 - Created first accredited AAS degree in Web Systems
 - We also have 5 certificates: web designer, web developer, eCommerce, rich Internet applications, webmaster
- **Director of Education** at WebProfessionals.org
 - SchoolofWeb.org initiative
 - You will find a copy of these resources posted there
- **Adobe Education Leader** (higher ed)

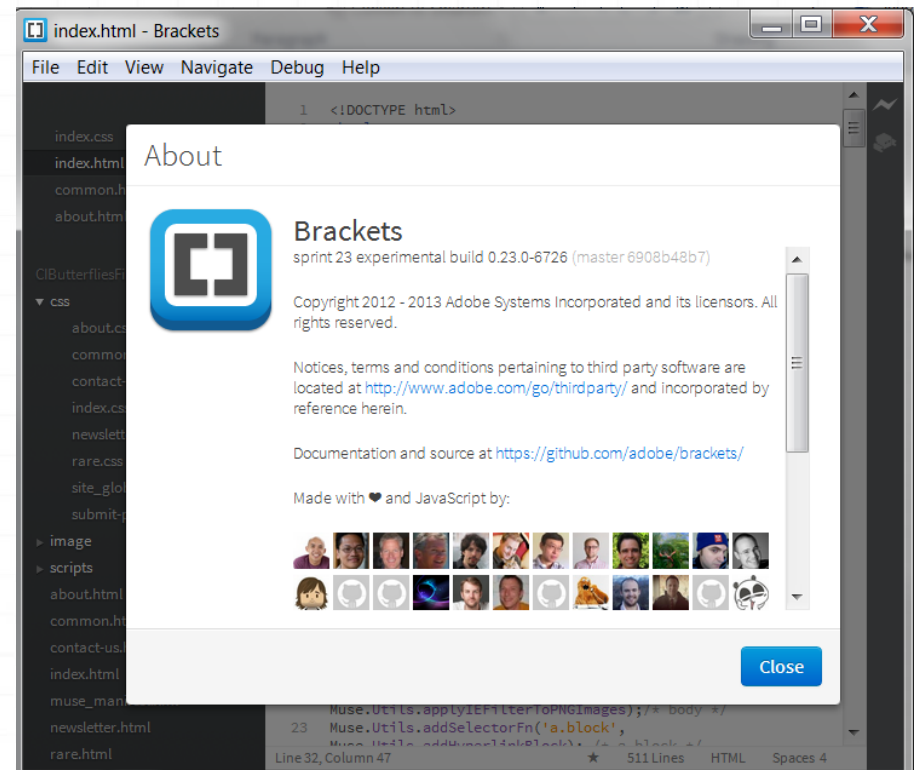
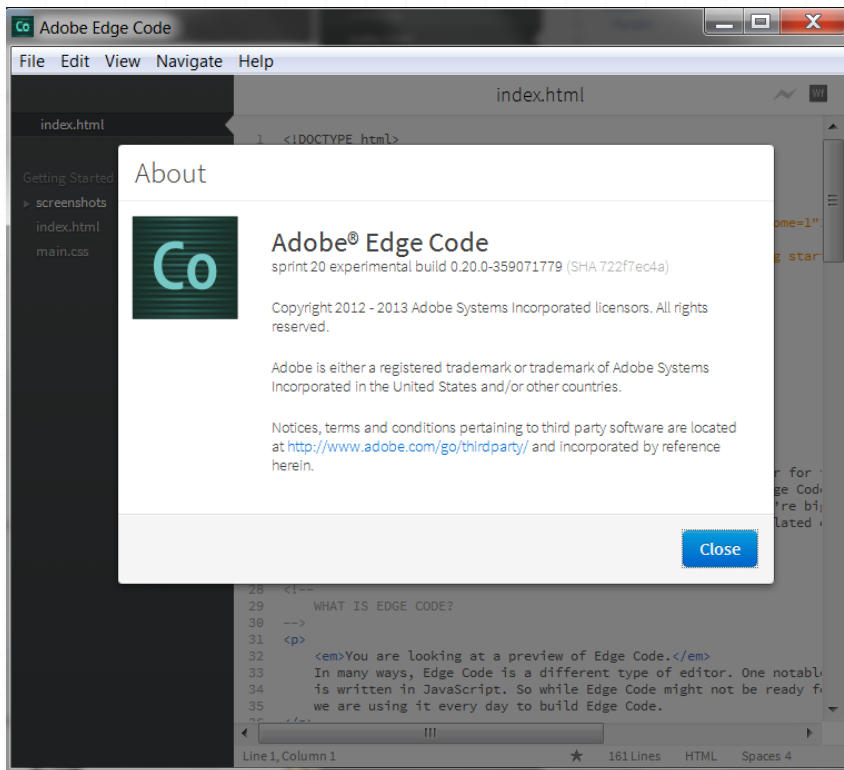
Brackets?



- Tool for editing HTML, CSS, and JavaScript files
 - Written in HTML, CSS, and JavaScript
 - Extensible
- Comes in two flavors
 - Brackets – open source (free)
 - <http://download.brackets.io/>
 - Edge Code – part of Creative Cloud
 - Extended with Adobe specific enhancements
 - Will discuss more when covering web fonts today



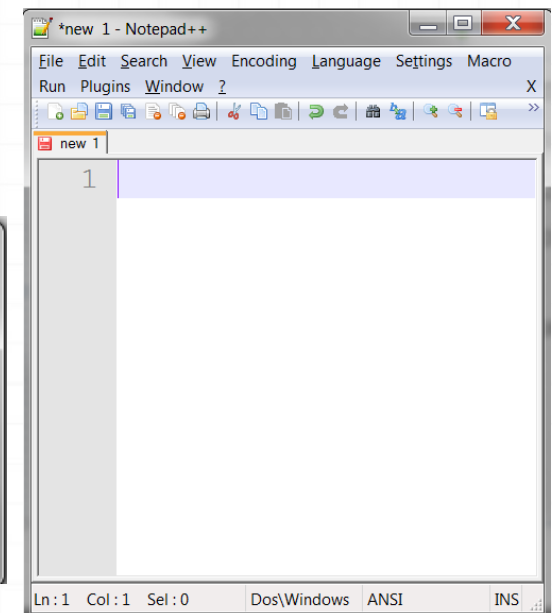
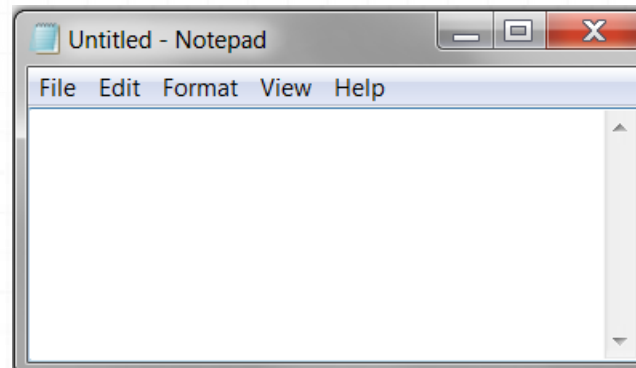
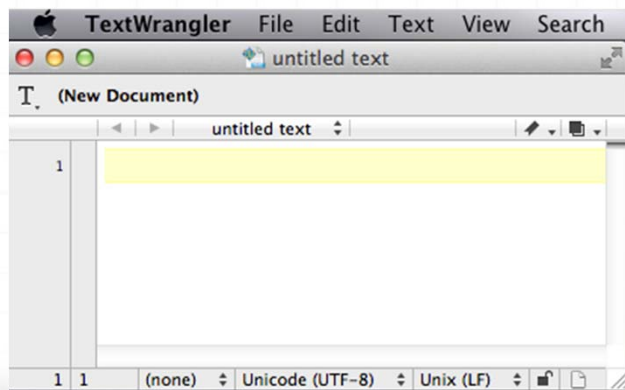
Brackets vs. Edge Code





So what?

- o I teach web design and development
- o Beginning students don't need to know Dreamweaver
 - o They need to know HTML and CSS
 - o Dreamweaver will help their productivity after they know the basics
- o Think of Brackets as a replacement for:





Basic Student Process

- o Create HTML/ CSS in Notepad or Text Wrangler...
- o Save file
- o Open browser, point to saved file
- o **Doh?**
- o Use debug tools to identify problem
- o Modify HTML/ CSS in Notepad or Text Wrangler...
- o Save file (again)
- o Refresh (or reopen browser)
- o **Doh?**
- o Lather, rinse, repeat

Basic Student Process



- o Student focuses on process (painful after time)
- o Brackets – live preview
 - o Brackets on one side, browser on other side
 - o Make a change to code in Brackets and immediately see change in browser
- o Now student can focus on learning HTML and CSS

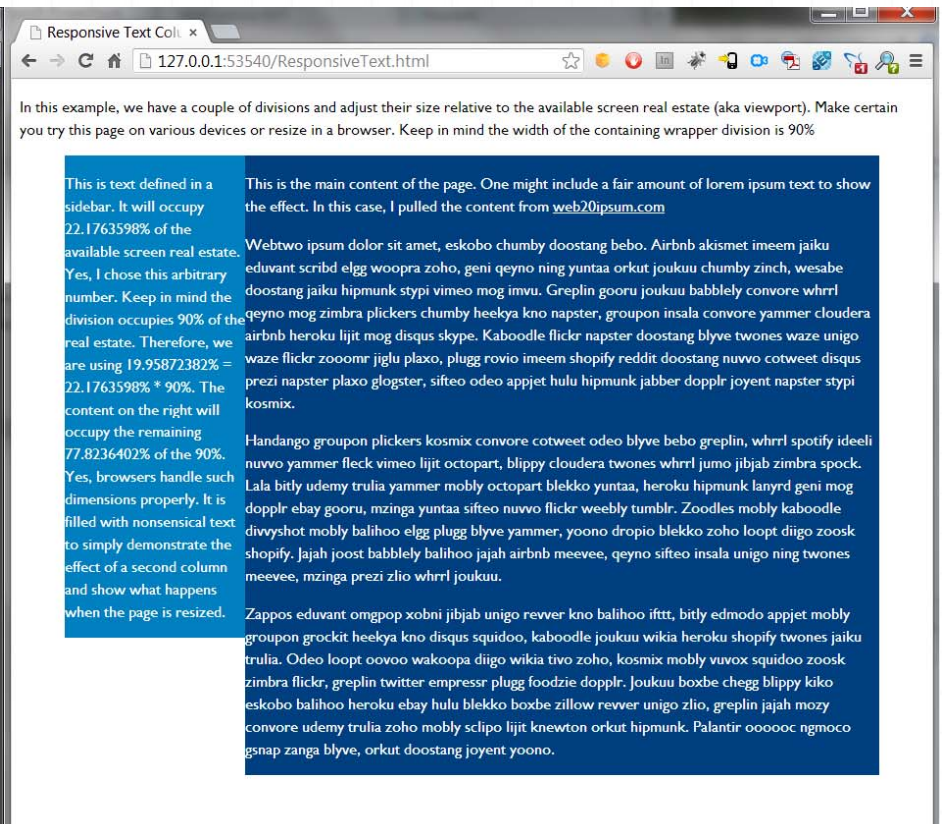
Demo



```
ResponsiveText.html - Brackets
File Edit View Navigate Debug Help

x ResponsiveText.html
Brackets ▾
  Brackets.pptx
  Example.html
  ResponsiveText.html
  -SBrackets.pptx

1 <!doctype html>
2 <html>
3 <head>
4 <meta charset="utf-8">
5 <title>Responsive Text Columns</title>
6 <style type="text/css">
7 /* style the font used on the page */
8 body {
9     font-family:"Gill Sans", "Gill Sans
10    MT", "Myriad Pro", "DejaVu Sans
11    Condensed", Helvetica, Arial, sans-serif;
12 }
13 a:link, a:visited {
14     color:#FFF;
15 }
16 /* center the image */
17 #wrapper {
18     display:block;
19     margin-left: auto;
20     margin-right: auto;
21     width:90%;
22 }
23
24 /* force the sidebar to occupy 20% of
25    available real estate */
26 #sidebar {
```



Brackets Interface



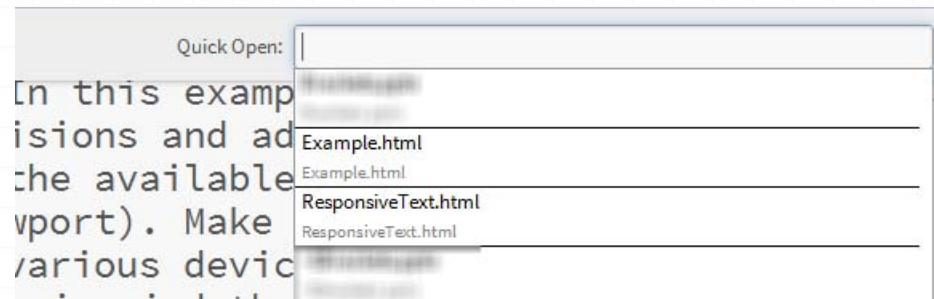
- o Minimal (by design)
- o File > New



Keyboard Shortcuts



o Ctrl + Shift + o
[quick open file]



o Ctrl + e [quick edit]

```
43 <div id="wrapper">
ResponsiveText.html : 16
16 /* center the image */
17 #wrapper {
18     display:block;
19     margin-left: auto;
20     margin-right: auto;
21     width:90%;
22 }
44 <div id="sidebar">
```


Keyboard Shortcuts



- o Ctrl + k [quick docs]

29 `float:left;`

| | |
|---|---|
| float Elements which get <code>float</code> applied with a value other than <code>none</code> are taken from the normal flow and get wrapped on the left or right side of the parent element. Other elements get wrapped around it. | right The <code>right</code> value indicates that the element must float to the right side of its containing block. left The <code>left</code> value indicates that the element must float to the left side of its containing block. none <code>none</code> indicates that the element does not contain any float at all. This is the initial value of the <code>float</code> property. |
|---|---|

 Read more

- o Read more takes you to:

<http://docs.webplatform.org/wiki/css/properties/float>

Brackets Extensions

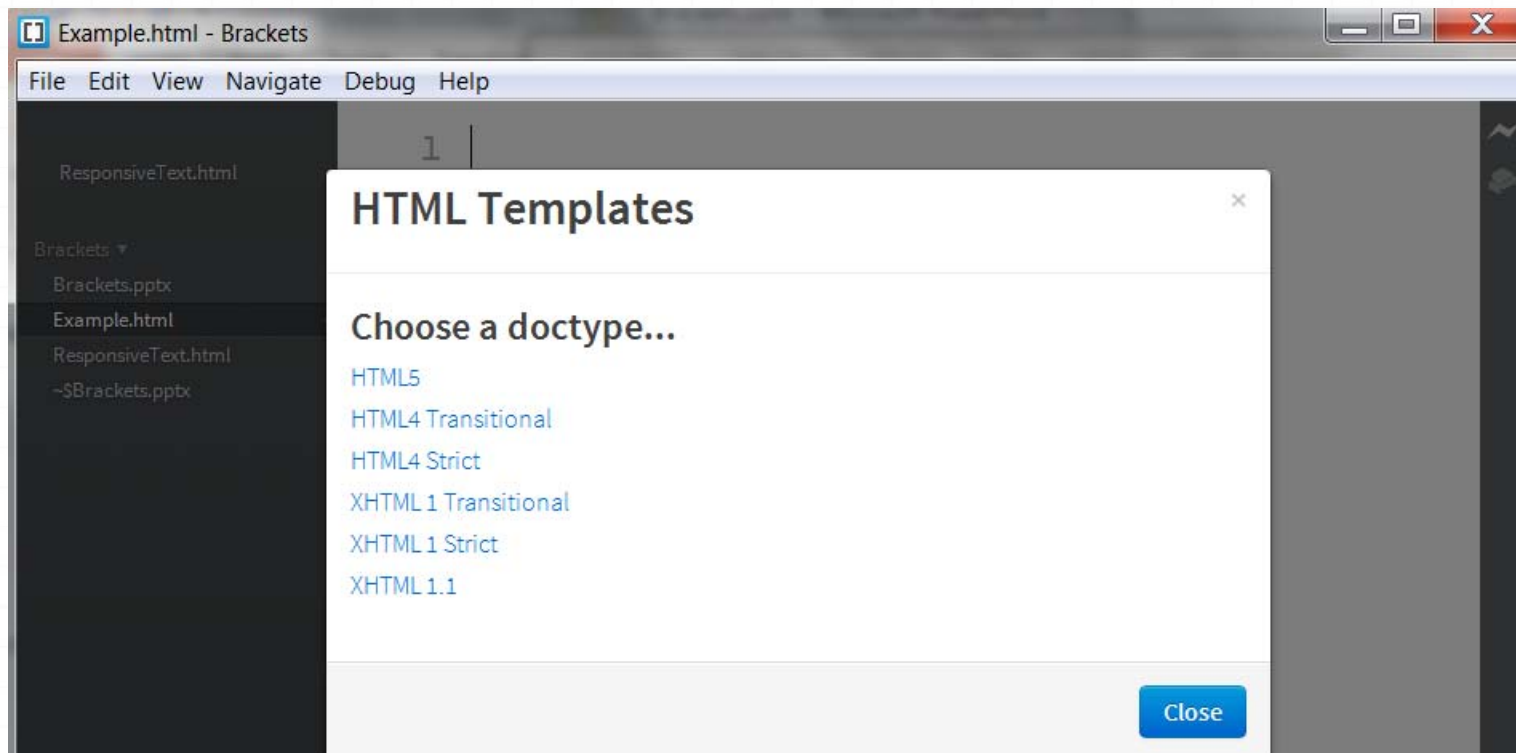


- Extensible
 - Help > Show Extensions Folder
 - <https://github.com/adobe/brackets/wiki/Brackets-Extensions>
 - Store zip file locally
 - Extract contents into extensions folder
 - Reload Brackets
 - For example – HTML templates extension
 - When create file...
 - Edit > HTML Templates

HTML Templates



o Choose from list



HTML Templates



- o Starting HTML5 document
 - o Again, let students focus on learning, not process

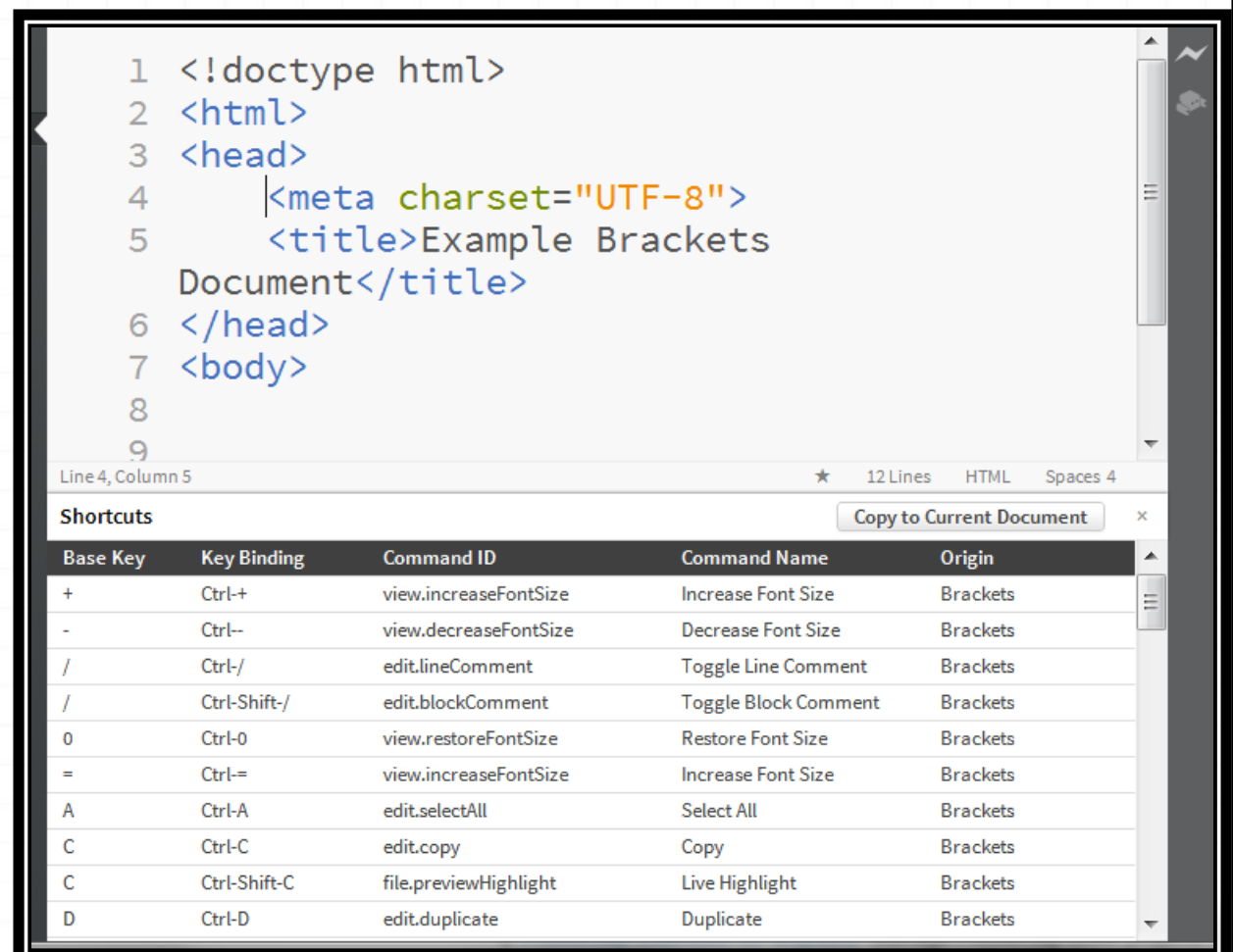
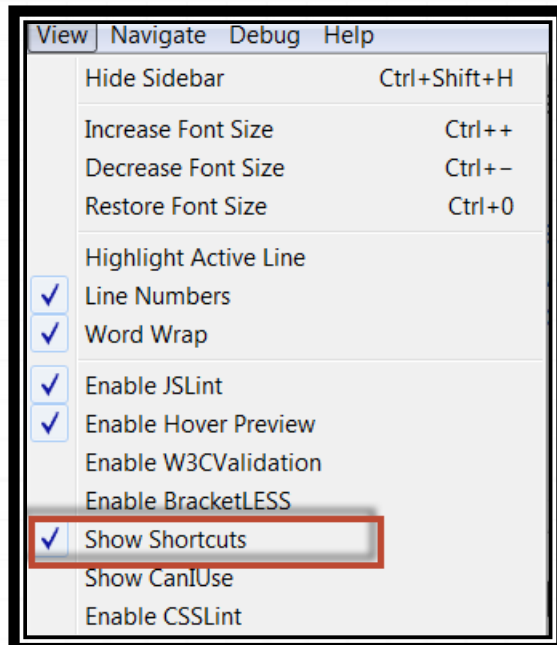
A screenshot of the Brackets code editor. The window title is "Example.html - Brackets". The menu bar includes "File", "Edit", "View", "Navigate", "Debug", and "Help". The left sidebar shows a file explorer with "Example.html" selected. The main editor area displays the following HTML code:

```
1 <!doctype html>
2 <html>
3 <head>
4     <meta charset="UTF-8">
5     <title>Untitled Document</title>
6 </head>
7 <body>
8
9
10
11 </body>
12 </html>
```



Extensions

- o Show Shortcuts – built in as of sprint 15





Extensions – CanIUse

o CanIUse – inline version of CanIUse.com site

View | Navigate | Debug | Help

- Hide Sidebar Ctrl+Shift+H
- Increase Font Size Ctrl++
- Decrease Font Size Ctrl+-
- Restore Font Size Ctrl+0
- Highlight Active Line
- Line Numbers
- Word Wrap
- Enable JSLint
- Enable Hover Preview
- Enable W3CValidation
- Enable BracketLESS
- Show Shortcuts
- Show CanIUse
- Enable CSSLint

```
8 <form>
9 <input type="number" />
10 </form>
```

CanIUse

Type to filter

Number input type (Support: 34.83% / Partial Support: 5.77% / Total: 40.60%)

■ = Supported ■ = Not supported ■ = Partially supported ■ = Support unknown

| | IE | Firefox | Chrome | Safari | Opera | iOS | Android |
|----------|----|---------|--------|--------|-------|---------|---------|
| Previous | 8 | 14 | 20 | 5.1 | 11.6 | 4.2-4.3 | 3 |
| Current | 9 | 15 | 21 | 6 | 12 | 5.0-5.1 | 4 |
| Near | 10 | 16 | 22 | | 12.1 | 6 | |



Extensions - Validate

o W3C validator – code should validate

The screenshot shows the 'View' menu in Visual Studio. The 'Enable W3CValidation' option is checked and highlighted with a red rectangle. Other visible options include 'Hide Sidebar', 'Increase Font Size', 'Decrease Font Size', 'Restore Font Size', 'Highlight Active Line', 'Line Numbers', 'Word Wrap', 'Enable JSLint', 'Enable Hover Preview', 'Enable BracketLESS', 'Show Shortcuts', 'Show CanIUse', and 'Enable CSSLint'.

The screenshot shows a code editor with the following HTML code:

```
7 <body>
8   <h1></p>
9
10
11 </body>
12 </html>
```

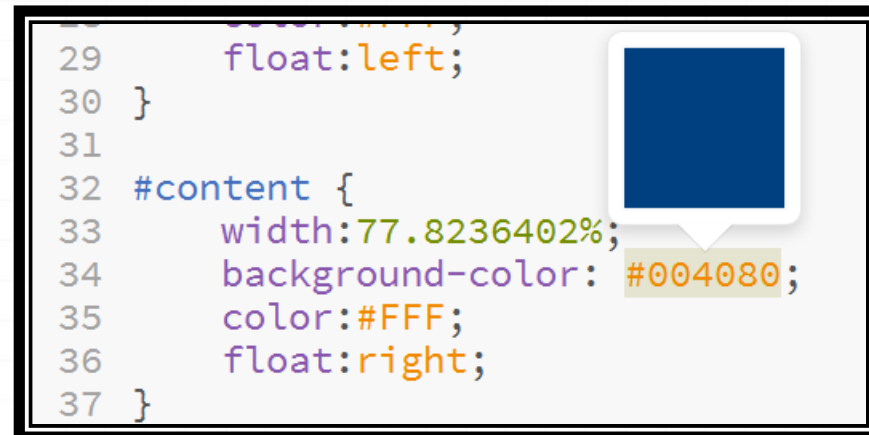
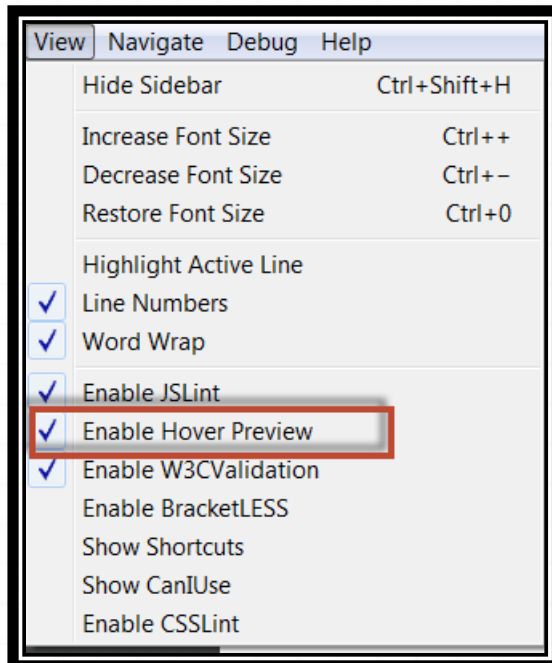
Below the code is a 'W3CValidation' error table:

| Line | Type | Explanation | Message |
|------|-------|---|---|
| 8 | error | | No p element in scope but a p end tag seen. |
| 8 | error | Contexts in which element p may be used: Where flow content is expected. | Element p not allowed as child of element h1 in this context. (Suppressing further errors from this subtree.) |



Extensions - Hover

o Hover preview – quickly see images/ colors





Extensions - Fonts

- Fonts – add fonts to page – Brackets relies on Google fonts, Edge Code on Edge Web Fonts
- Edit > Web Fonts...
- For Brackets, need to include following line at top of CSS file

```
@import url(...);
```

Extensions – Fonts (2)



o Visit <http://www.google.com/fonts/> to choose font(s)

@import

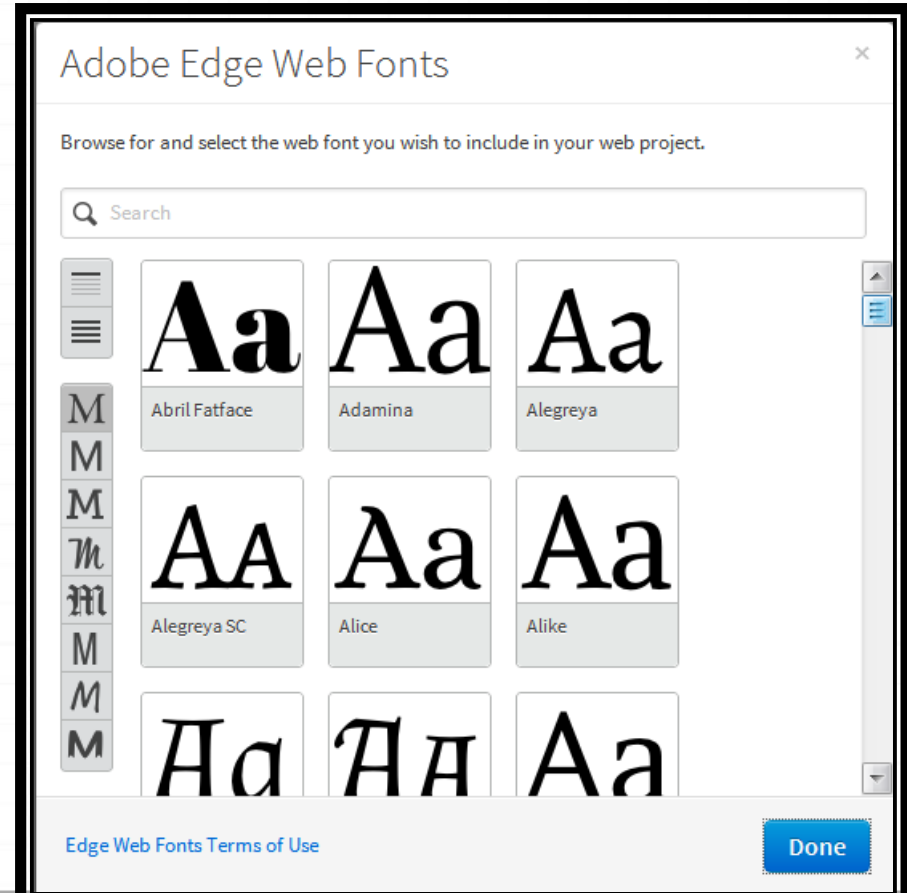
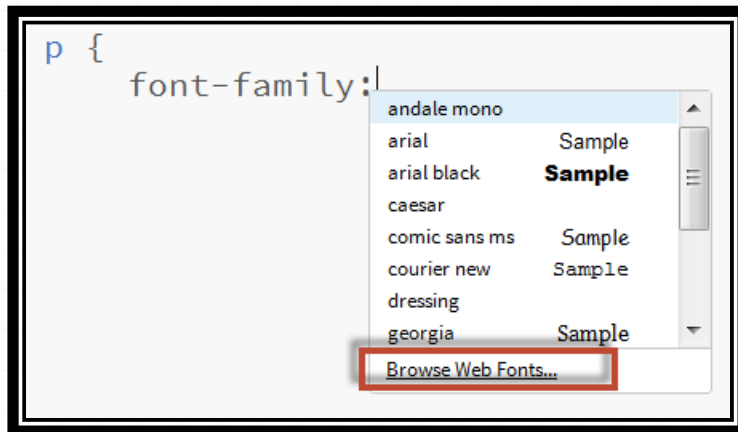
```
url(http://fonts.googleapis.com/css?family=Antic|Abril  
+Fatface|Aclonica|Caesar+Dressing);
```

A screenshot of a 'Web Fonts' dialog box. The dialog has a title bar with 'Web Fonts' and a close button. Below the title bar is a dropdown menu. Underneath is an 'Add Font' button. Below that is a text input field containing 'Example Text'. At the bottom, there are four radio buttons labeled 'Antic', 'Abril Fatface', 'Aclonica', and 'Caesar Dressing'. Below the radio buttons are two buttons: 'Swap Fonts' and 'Delete Font'. At the very bottom right of the dialog is a blue 'Close' button.

Extensions – Fonts (2)



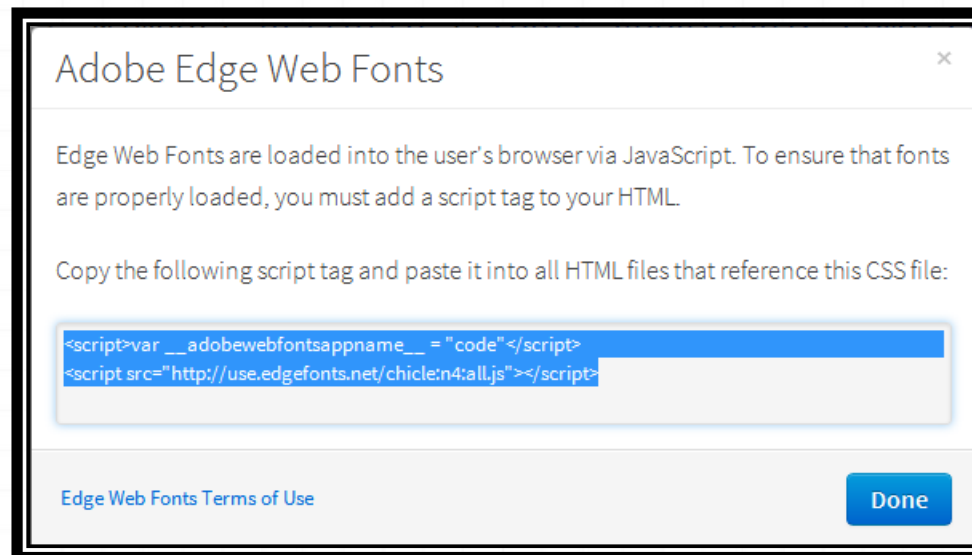
- o Edge Code has better integration with Edge Web Fonts



Extensions – Fonts (3)



- After selecting font, click on WF logo to generate HTML code

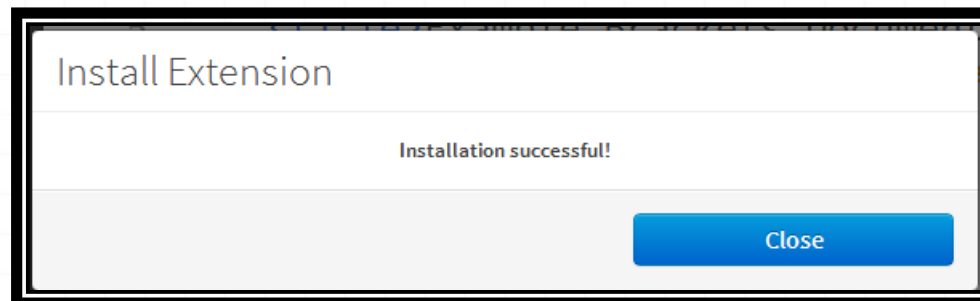


- One instance where Edge Code better integrated



Extensions – Lorem ipsum

- o In case need placeholder text
- o Alternate installation – File > Install extension...



- o While typing text, enter **lorem** followed by tab key

TE QIUSMOD NAM QUAMQUAM IN OFFENDIT ARBITRANTUR SE PROIDENT, QUIBUSDAM VELIT QUAMQUAM OCCAECAT, VIDISSE VENIAM OFFICIA MENTITUM A ID E FIRMISSIMUM, AMET EXCEPTUR ARBITRANTUR, A IPSUM ID LABORE HIC ITA LABORE QIUSMOD OCCAECAT. HIC ELIT CERNANTUR IUDICEM, AUT O VENIAM EXPETENDIS. INCURRERET LOREM AUTE COMMODO NOSTER, VOLUPTATE QUID QUIS O GILLUM, DOLOR TEMPOR QUI SEMPIETERNUM EX ESSE OCCAECAT NON LABORIS. VIDISSE MULTOS LABORE NAM FORE, SUNT POSSUMUS E SUNT ENIM, EST VENIAM PRAESENTIBUS EST ELIT COMMODO TE NISI VARIAS HIC PARIATUR AN OFFICIA EA AD ENIM OFFICIA ID INCURRERET QUI QIUSMOD ID EX QUAE FIDELISSIMAE. E ID CONIUNCTIONE. UBI ALIQUA COMPREHENDERIT TE EU ALIQUA ESSE FUGIAT QUIBUSDAM. VENIAM MENTITUM AD INGENIIS, NE SED FAMILIARITATEM, O PARIATUR INSTITUENDARUM, SI NON FUGIAT CULPA SUNT.



Demo – using MUSE Export files

Review



- Brackets is an editor for HTML, CSS, and JavaScript
- It is highly extensible (and there are already a number of developed extensions)
- It is open source (free)
- There is a corresponding Adobe product (Edge Code)

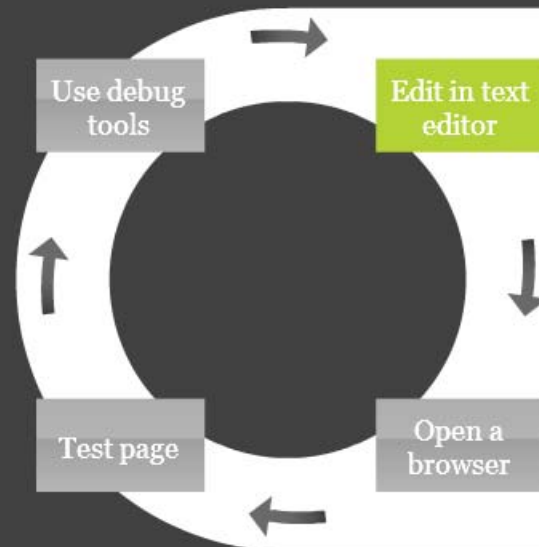


Thought

o It is 2013

JavaScript Development cycle

This is an overview of how we typically develop client side scripts.



Typically, we create our initial file (either within the existing HTML document or as a separate .js file). We create the code and save the file.

If we are returning from a testing session, we modify the code we already created and repeat the process by testing in the browser again (until we are satisfied with the results).

Resources



- o <http://brackets.io/>
- o <http://download.brackets.io/>
- o <http://markdubois.me/Brackets01> (project overview)
- o <http://markdubois.me/Brackets02> (getting started with Brackets)
- o <http://schoolofweb.org> (these materials and recording)

- o My weblog posts on Brackets
- o <http://markdubois.me/Brackets03> (sprint 20)
- o <http://markdubois.me/Brackets04> (sprint 10) my initial thoughts

Adobe Brackets



o <http://download.brackets.io/>

o Questions?
Please use **question pod**

@Mark_DuBois (Twitter)

Mark@WebProfessionals.org





Slides

<http://markdubois.me/2013May7>



