

Background and Scaling Images



Paul Cheney

SPARTAN DESIGN UNIVERSITY

spartandesignuniversity.com



Agenda



Review Image Sizes

Build Header Graphics

HTML & CSS for Header

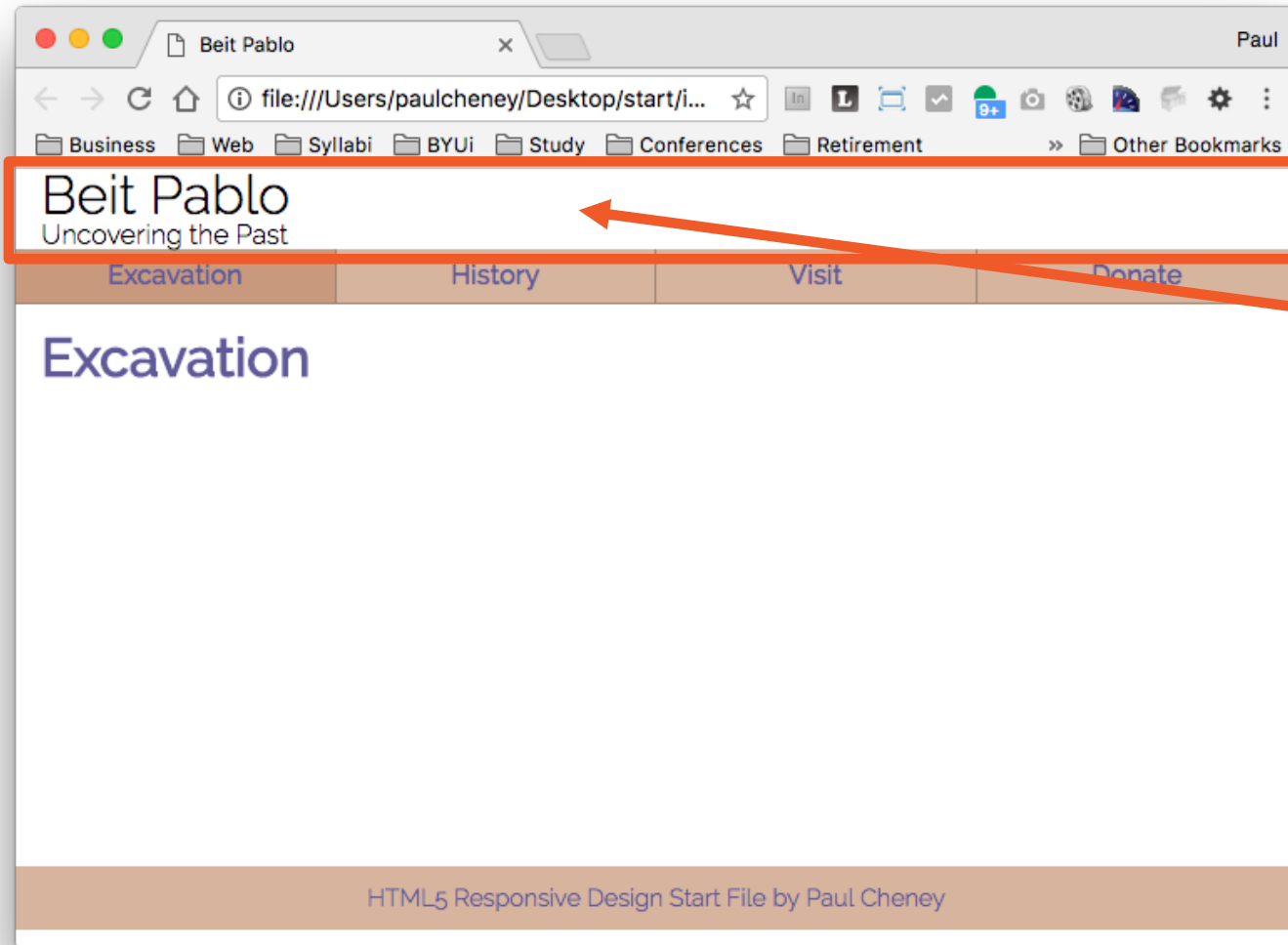
Build Content Graphics

HTML and CSS for Content

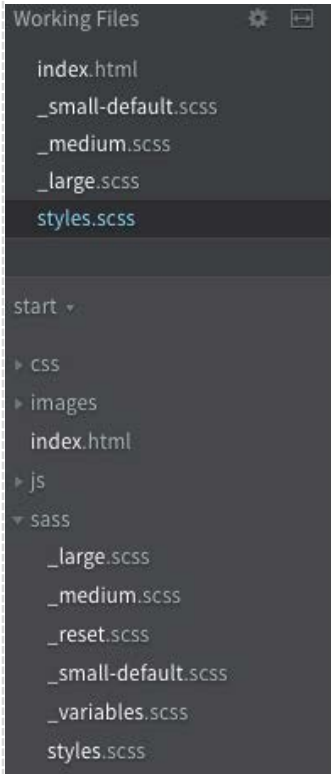
Test on Smart and Dumb Browsers



Building the Background Graphics



Break Points



```
1 @import "reset";
2
3 @import "variables";
4
5 @import "small-default";
6
7 //35em is also 560px (if basefont is 16px)
8 @media only screen and (min-width: 35em) {
9     @import "medium";
10 }
11
12 //64em is also 1024px (if basefont is 16px)
13 @media only screen and (min-width: 64em) {
14     @import "large";
15 }
```

0

35em

64em

∞



Three Images

560px x 110px

1024px x 130px

1600px x 130px

0

35em

64em

∞

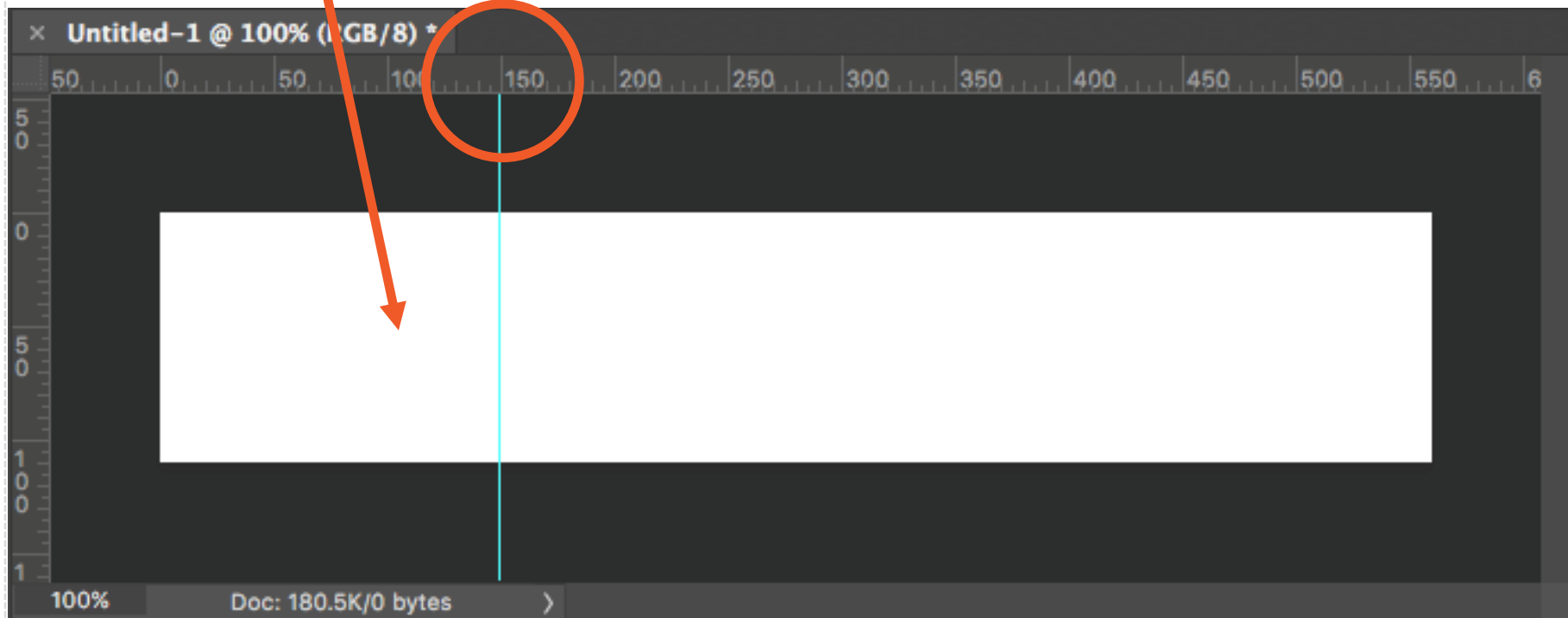
_large.scss

_medium.scss

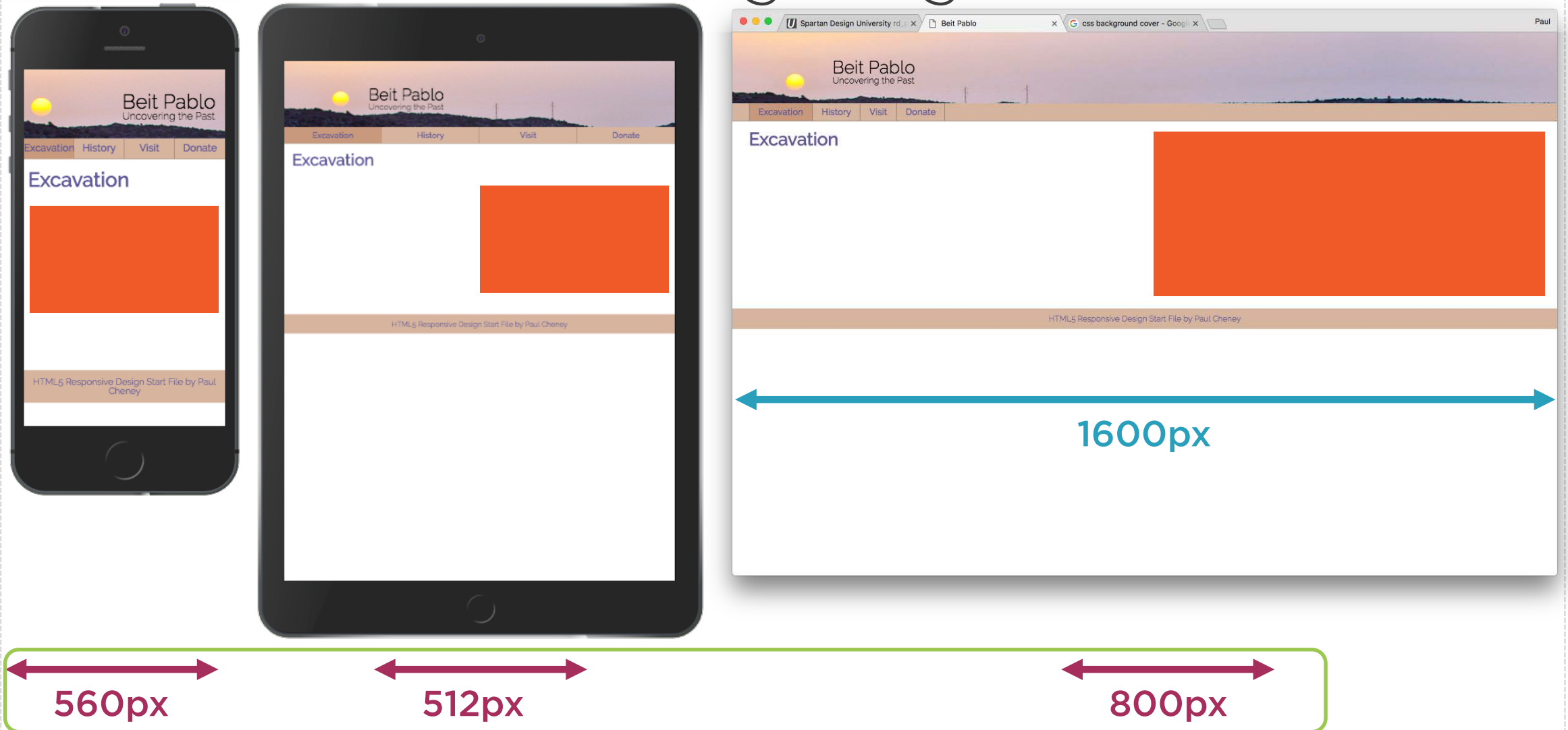
_small-default.scss



Setting Sun



Scaling Image





Browsers and Devices

Smart

iPhone 6

iPad 2

Chrome

Firefox

Safari

Opera

Internet Explorer 10 (sometimes)

Dumb

iPad 1

iPhone 4

Internet Explorer 7, 8, 9, 10



iPhone 4

CSS Dimensions

width 320px

height 480px

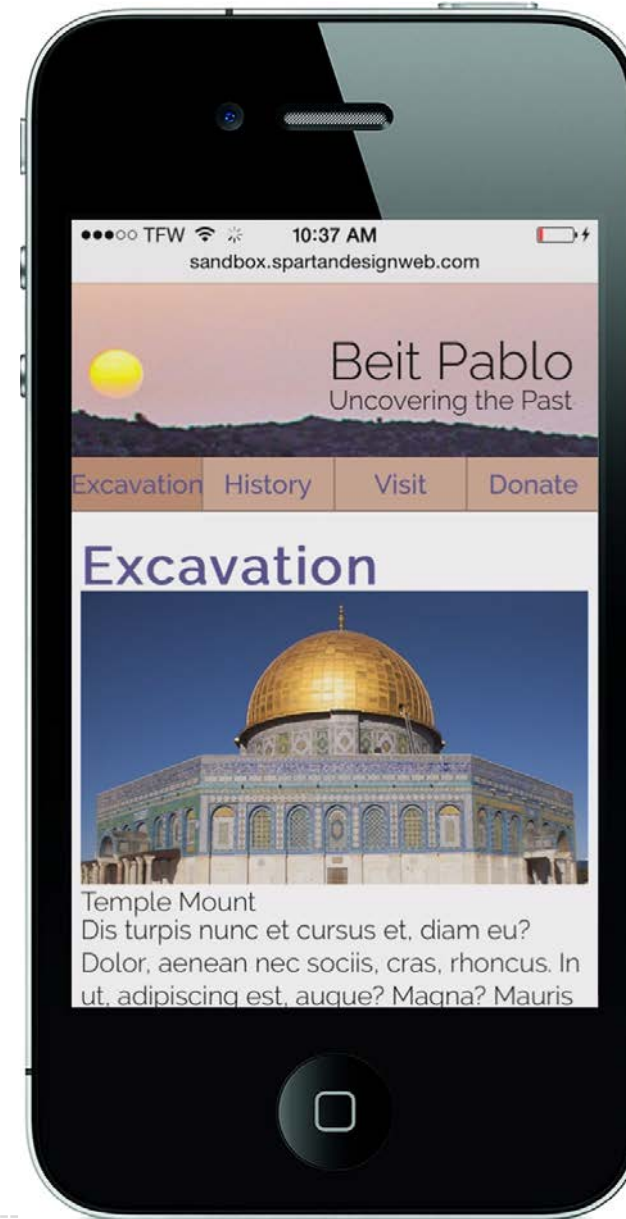
Dots of Light

width 640

height 960

Pixel Ratio

2



iPad 1

CSS Dimensions

width 768px

height 1024px

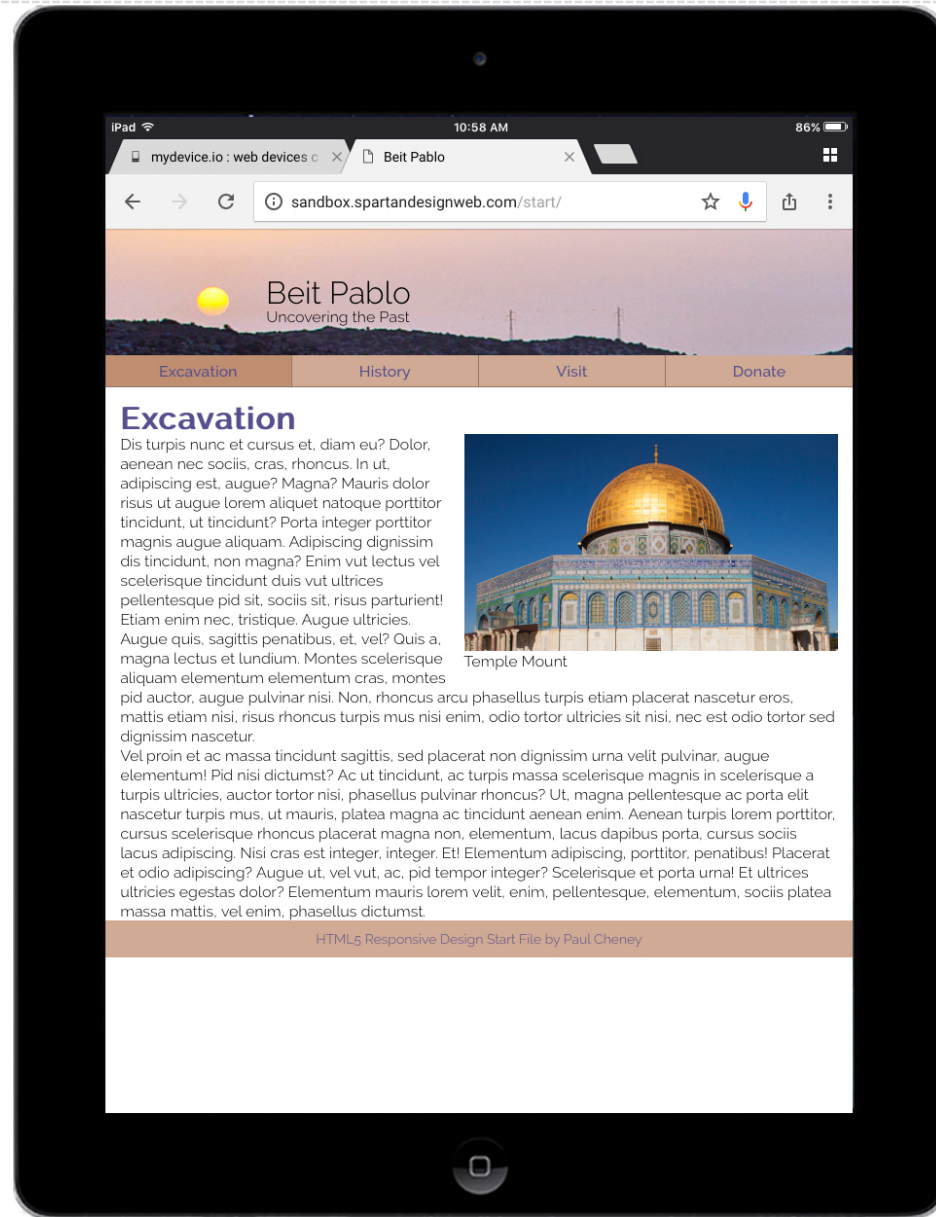
Dots of Light

width 768

height 1024

Pixel Ratio

1



Internet Explorer

CSS Dimensions

width variable

height variable

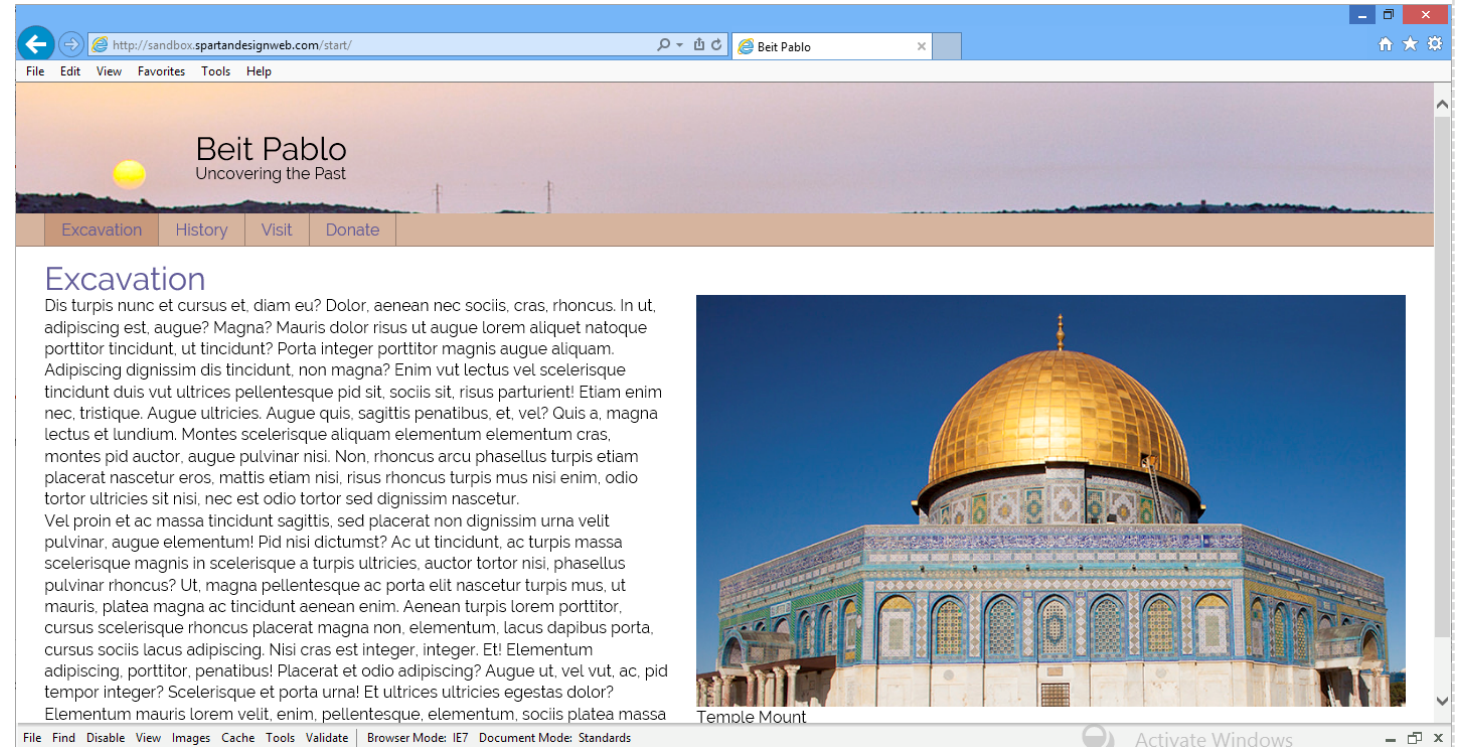
Dots of Light

width variable

height variable

Pixel Ratio

1



IE7



Speed Test

Pingdom Website Speed Test

Enter a URL to test the load time of that page, analyze it and find bottlenecks.

URL

http://sandbox.spartandesignweb.com/start/

Test from

Dallas, Texas, USA

START TEST

DOWNLOAD HAR

SHARE RESULT

Sign up for **free** to test
your site every minute



SIGN UP FOR FREE

Summary



Performance grade [?]

B 88

Load time

515 ms

Faster than

97 %
of tested sites

Page size

285.3 kB

Requests

8

Tested from

Dallas
on Jun 1 at 11:19



Mobile Friendly Test

Mobile-Friendly Test

http://sandbox.spartandesignweb.com/start/

✓ No loading issues [VIEW DETAILS](#)

Tested on: Jun 1, 2017 at 11:21 AM


Page is mobile-friendly

This page is easy to use on a mobile device

[↑](#) SUBMIT TO GOOGLE

Additional resources

- [Open site-wide mobile usability report](#)
- [Learn more about mobile-friendly pages](#)
- [Post comments or questions to our discussion group](#)



The mobile preview shows the website 'Beit Pablo' with the tagline 'Uncovering the Past'. It features a navigation bar with links for 'Excavation', 'History', 'Visit', and 'Donate'. The main content area is titled 'Excavation' and displays a large image of the Dome of the Rock. Below the image, the text reads 'Temple Mount' followed by a paragraph of placeholder text: 'Dis turpis nunc et cursus et, diam eu? Dolor, aenean nec sociis, cras, rhoncus. In ut, adipiscing est, augue? Magna? Mauris dolor risus ut augue lorem aliquet natoque porttitor tincidunt, ut tincidunt? Porta integer porttitor magnis augue aliquam. Adipiscing dignissim dis tincidunt, non magna? Enim vut lectus vel scelerisque tincidunt dui vut ultrices pellentesque pid sit, sociis sit, risus parturient! Etiam enim nec, tristique. Augue ultricies, Augue quis, sagittis penatibus, et, vel? Quis a, magna lectus et lundium. Montes scelerisque aliquam elementum elementum cras, montes pid auctor, augue pulvinar nisi. Non, rhoncus arcu phasellus turpis etiam placerat nascetur eros, mattis etiam nisi, risus rhoncus turpis mus nisi enim, odio tator ultricies sit nisi, nec est odio tator.' The preview is shown within a grey rounded rectangle representing a mobile device.



Summary



Review Image Sizes

Build Header Graphics

HTML & CSS for Header

Build Content Graphics

HTML and CSS for Content

Test on Smart and Dumb Browsers





Introduction

Background and Scaling Image

Pixel Density Logo

Similar Sized Responsive Images

Different Sized Images

Combination Responsive Image

Full Width Responsive Image

Lazy Load Images

Image Slider

