

Pixel Density Logo



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Agenda



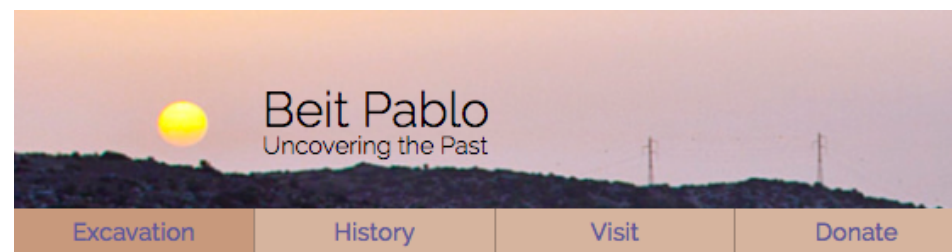
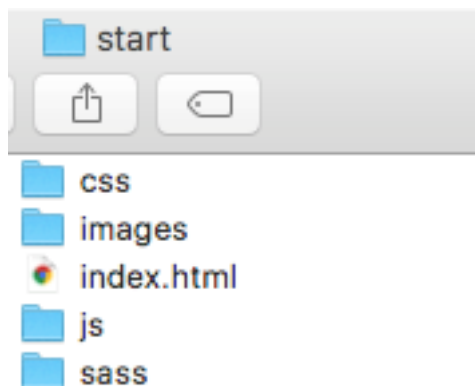
Identify Sizes

Build Graphics

Add Code

Test Logo





Excavation

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 tortor ultricies sit nisi, nec est odio tortor sed dignissim nascetur.



Temple Mount

Vel proin et ac massa tincidunt sagittis, sed placerat non dignissim urna velit pulvinar, augue elementum! Pid nisi dictumst? Ac ut tincidunt, ac turpis massa scelerisque magnis in scelerisque a turpis ultricies, auctor tortor nisi, phasellus pulvinar rhoncus? Ut, magna pellentesque ac porta elit nascetur turpis mus, ut mauris, platea magna ac tincidunt aenean enim. Aenean turpis lorem porttitor, cursus scelerisque rhoncus placerat magna non, elementum, lacus dapibus porta, cursus sociis lacus adipiscing. Nisi cras est integer, integer. Et! Elementum adipiscing, porttitor, penatibus! Placerat et odio adipiscing? Augue ut, vel vut, ac, pid tempor integer? Scelerisque et porta urna! Et ultrices ultricies egestas dolor? Elementum mauris lorem velit, enim, pellentesque, elementum, sociis platea massa mattis, vel enim, phasellus dictumst.

Sizes Needed



1x

100 css pixels wide and tall

2x

200 css pixels wide and tall

3x

300 css pixels wide and tall



First we will open this logo in Photoshop

Notice that it is black on a white background.

To remove the background, we will use the magic wand.

Set the tolerance is set to 32 and make sure there is NOT a check next to Contiguous.

Click the black tree trunk to select an anti aliased version of the tree.

Copy and paste

Now lets check our logo against a colored background by filling the background layer with red.

As you can see, we have a nice tree with no ghosting.

Save this as a Photoshop file on the desktop.

Now choose file > Generate and make sure there is a check mark next to Image Assets.

With that turned on, lets change the name of the layer to 100x100 logo1x.png.

The first value is the output size in pixels and the second value is the name of the file and the file type.

If we look on the desktop we now have a new folder called tree Logo dash assets.

Inside that is a png file that is exactly 100 pixels square. We now have the logo for the 1x screens.

Now lets modify the layer name to include the other two images we need.

Next add a comma and then 200x200 logo2x.png followed by a comma and then 300x300 logo3x.png

Now when we look in the assets folder, we have three logos each at the appropriate resolution.

Add the Logo

```
<figure class="logo">  
    
</figure>
```

Before we jump into brackets, let's duplicate the 1x logo and rename it logo.png.

This logo will be shown on dumb browsers.

Now let's open brackets and make sure we are working on the start file from module 3

Inside the header tag, add the figure tag

Inside that, add the image tag with a path to the default logo for dumb browsers.

Now we can add the source set code for 1x, 2x, and 3x devices.

In the CSS for the small screens, we need to position the logo to the left so the company name appears to the right.

When I open this page on my desktop browser you can see it's working as expected.

Now, I can see you have some doubts about whether this is really working, so let's tag each of these graphics so we can actually see the difference.



Lets open all four of these in photoshop
We will change the color of the default logo to red so it's easy to identify the dumb browsers.
Lets add a 1x to the smallest version.
Lets add a 2x to the medium version
and lets add a 3x to the largest version.
Finally I will upload this entire folder to my sandbox for testing purposes.



iPhone 4

CSS Dimensions

width 320px

height 480px

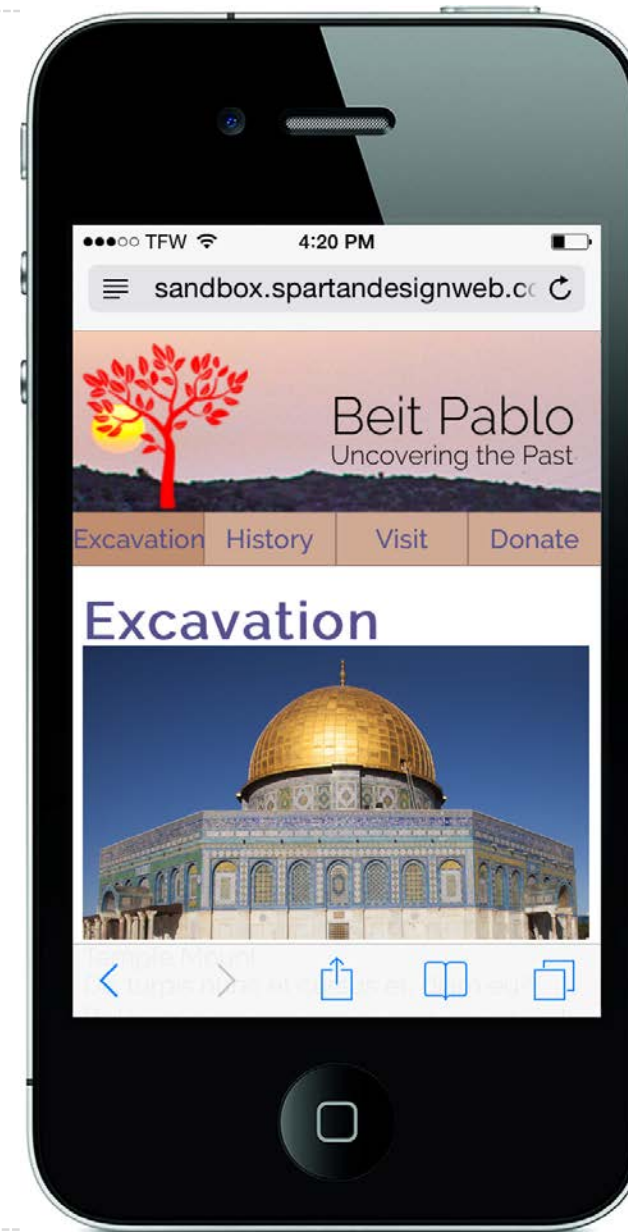
Dots of Light

width 640

height 960

Pixel Ratio

2



iPad 1

CSS Dimensions

width 768px

height 1024px

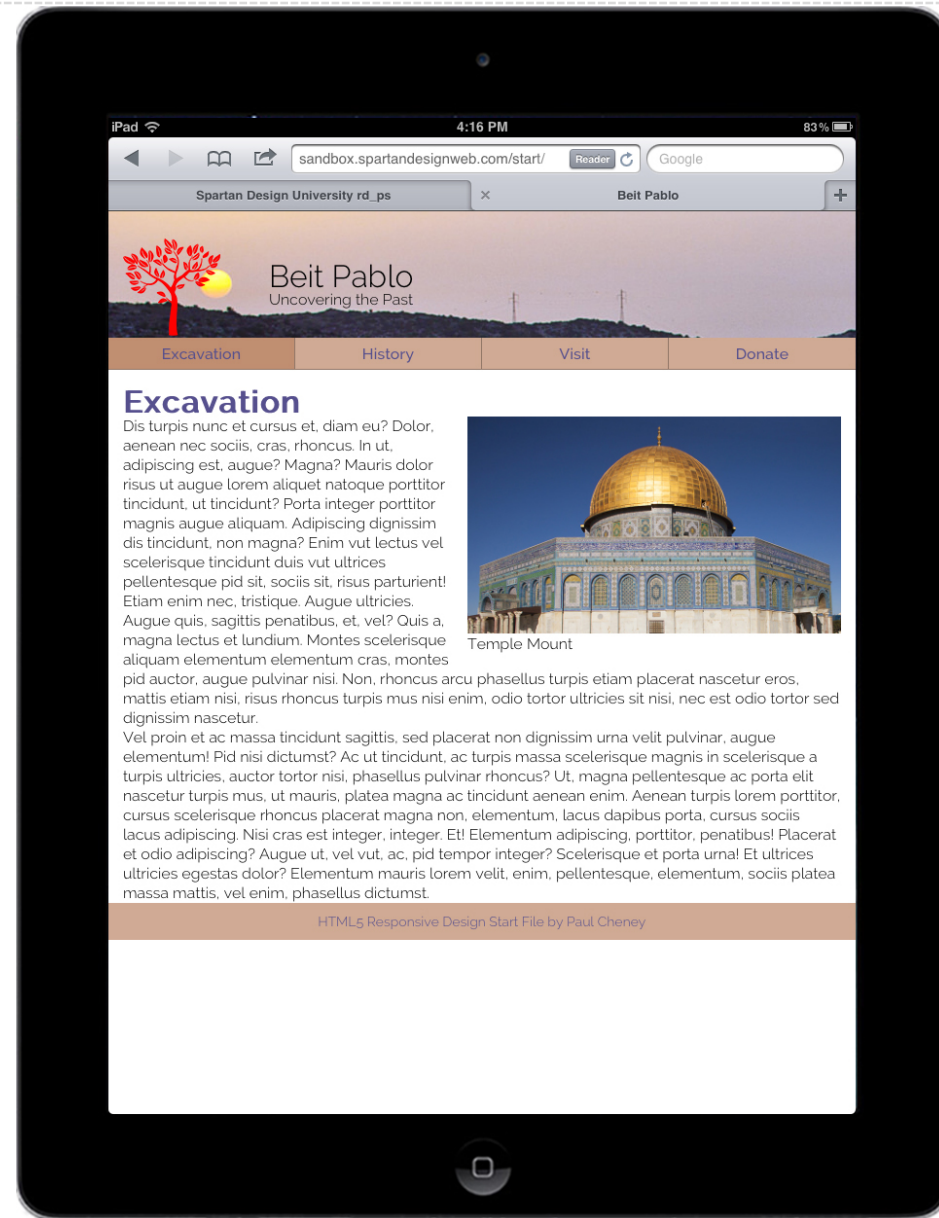
Dots of Light

width 768

height 1024

Pixel Ratio

1



Internet Explorer

CSS Dimensions

width variable

height variable

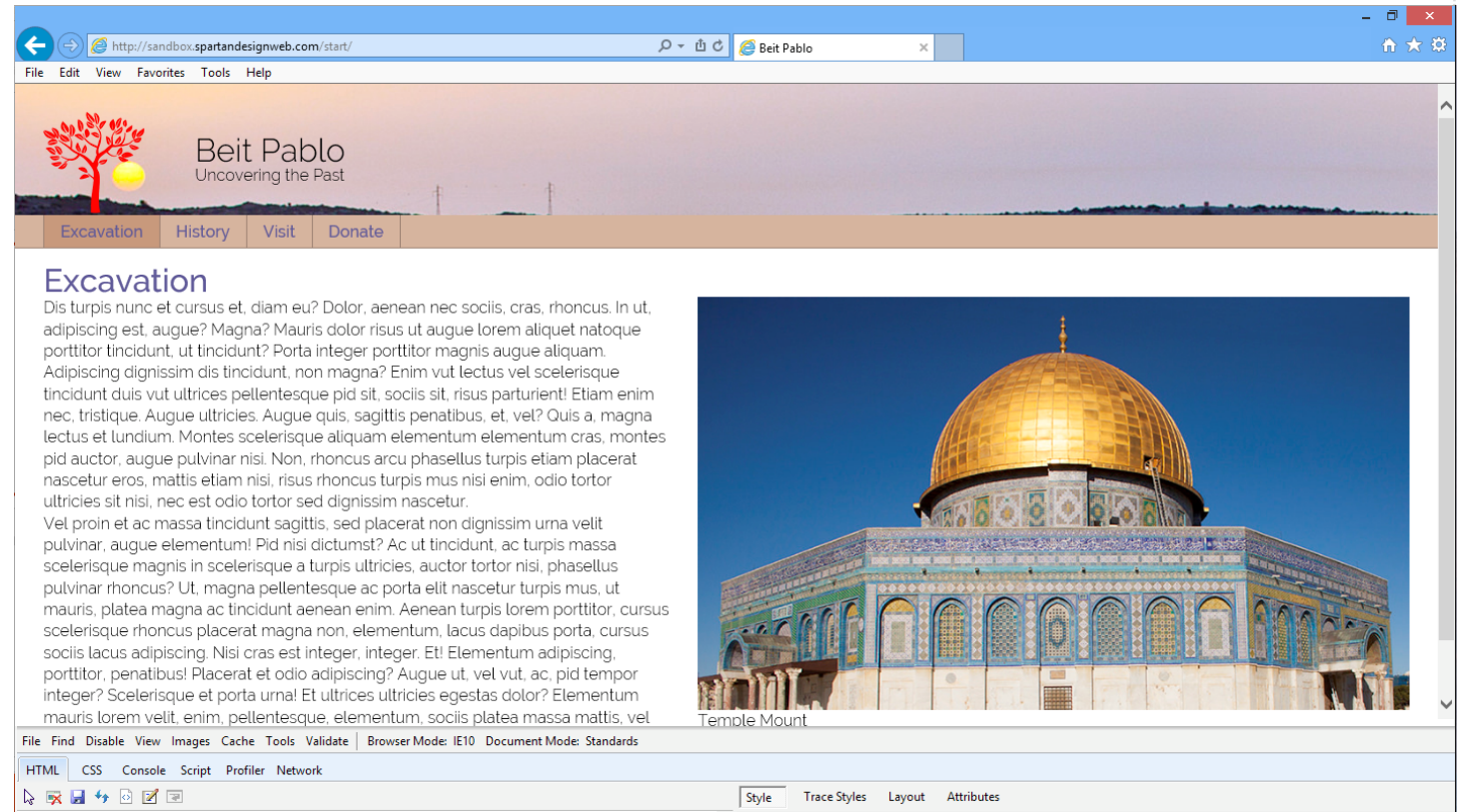
Dots of Light

width variable

height variable

Pixel Ratio

1



IE10



Modern Desktop

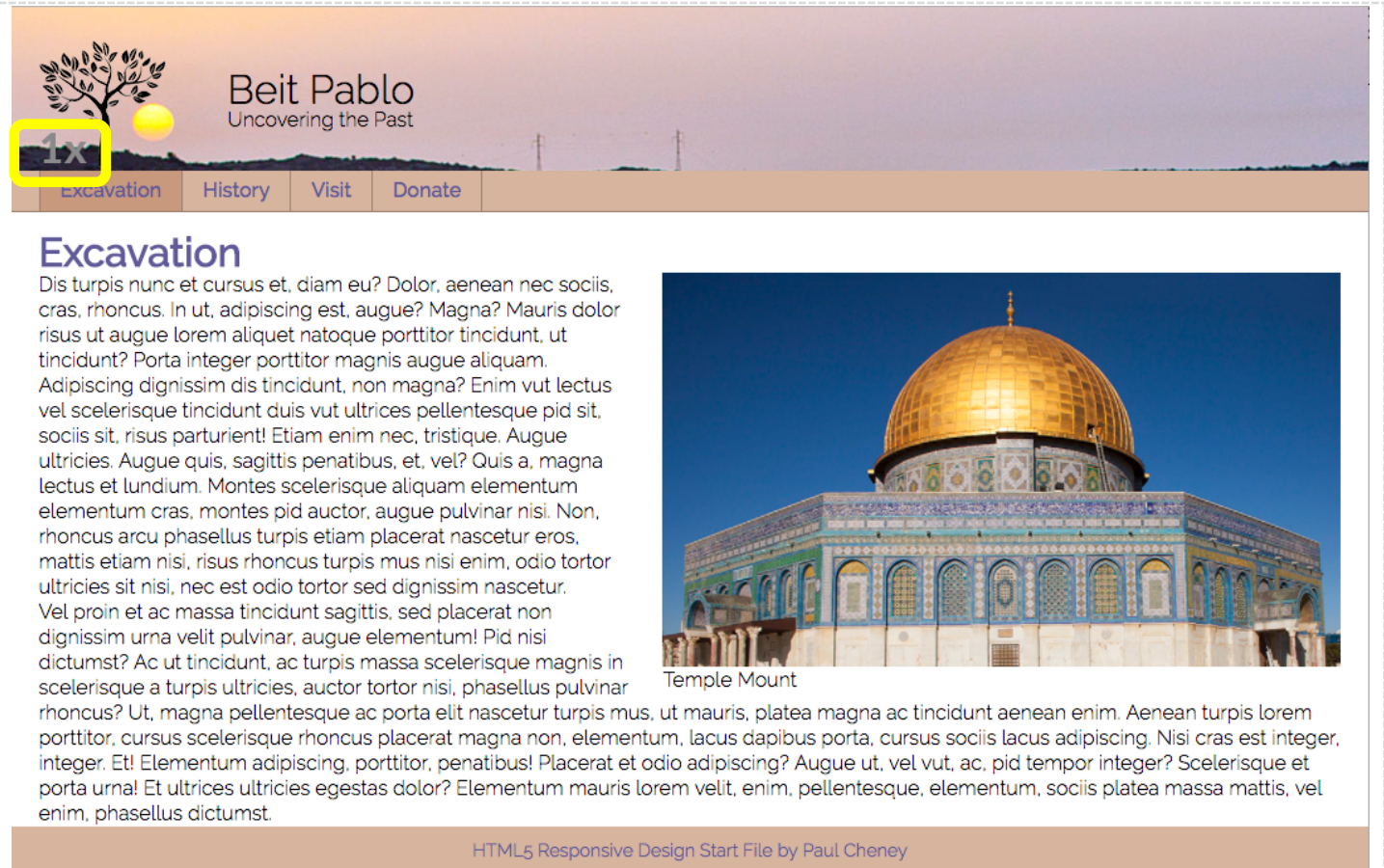
CSS Dimensions

width variable
height variable

Dots of Light
width variable
height variable

Pixel Ratio

1



iPhone 6

CSS Dimensions

width 375px

height 667px

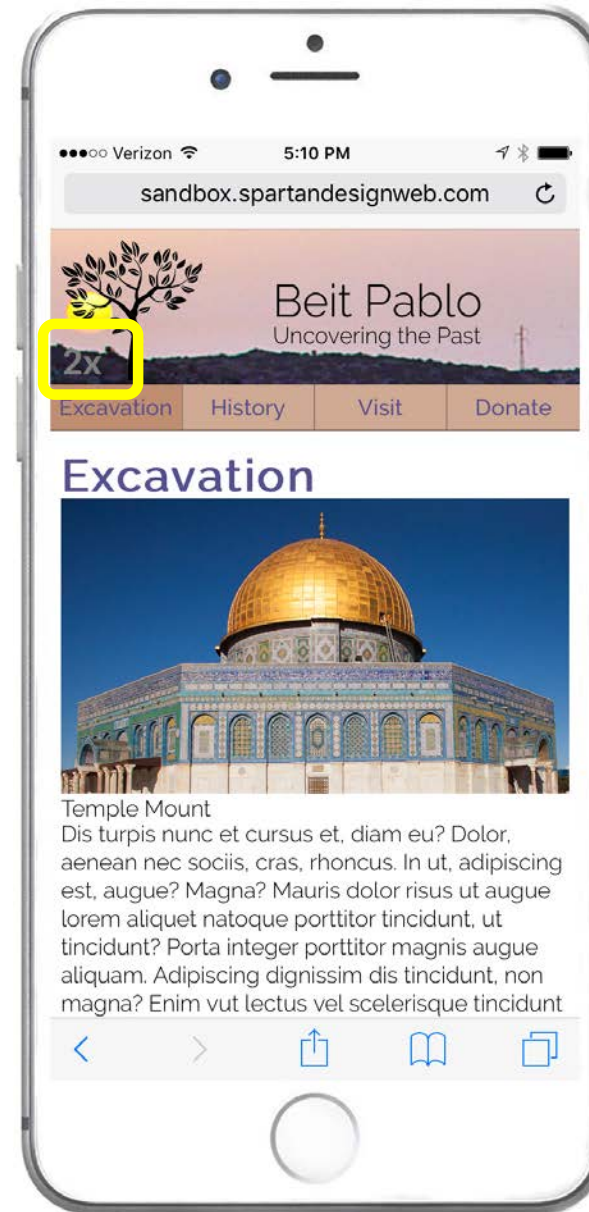
Dots of Light

width 750

height 1334

Pixel Ratio

2



iPad 4

CSS Dimensions

width 768px

height 1024px

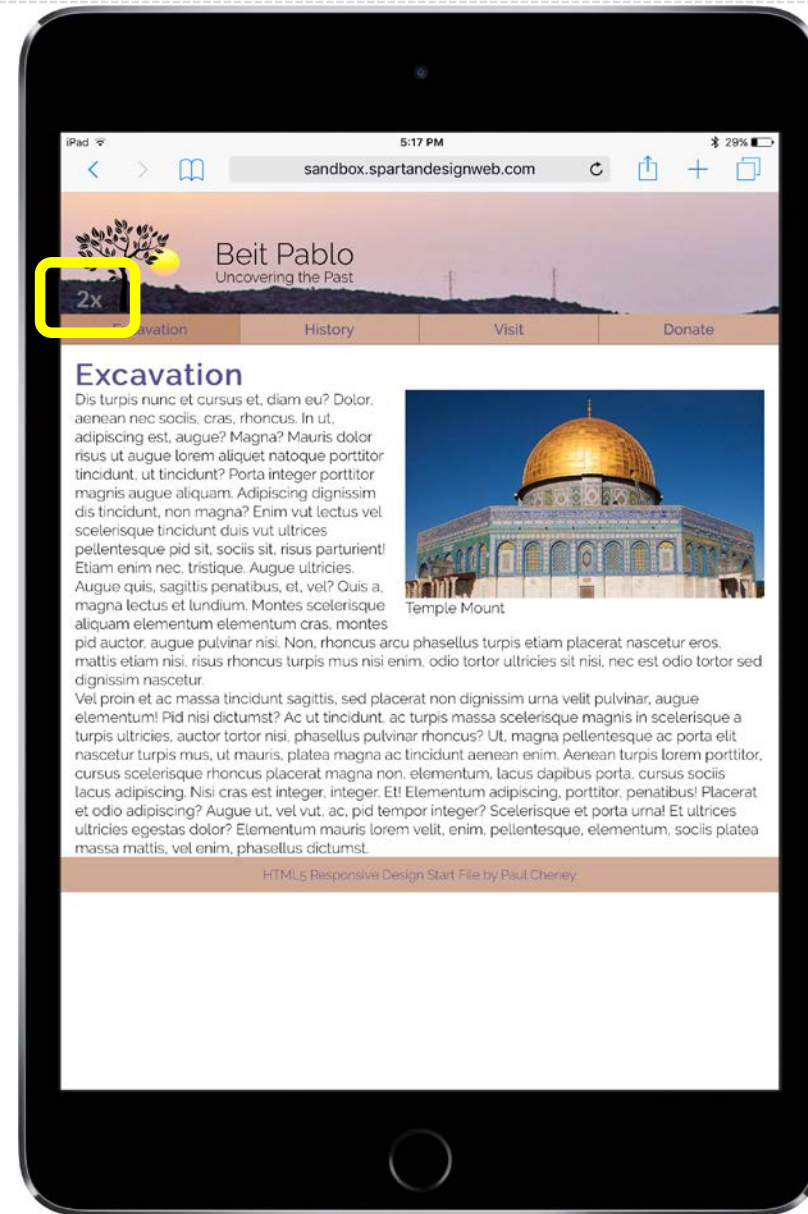
Dots of Light

width 1536

height 2048

Pixel Ratio

2



Laptop

CSS Dimensions

width variable

height variable

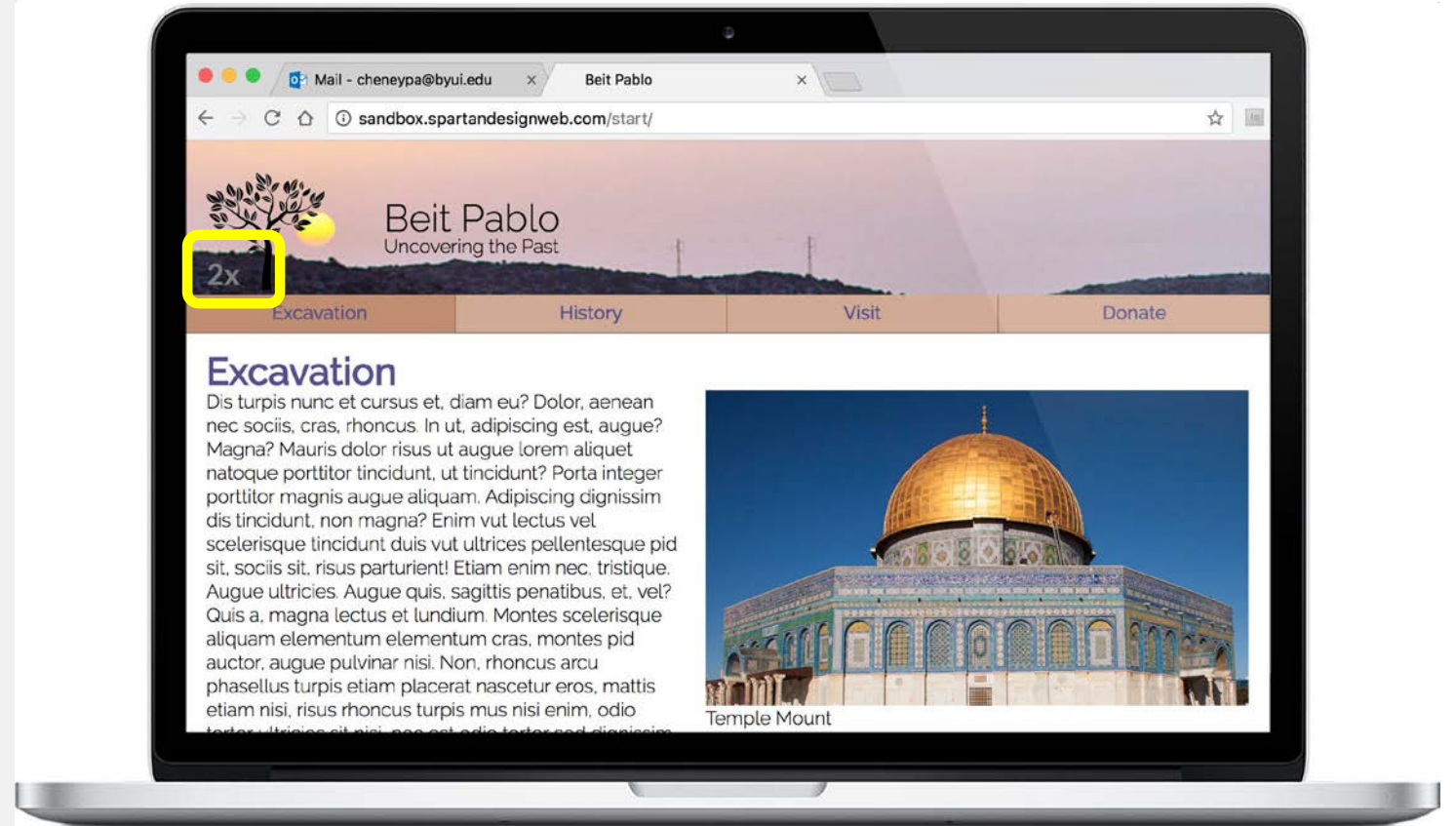
Dots of Light

width variable

height variable

Pixel Ratio

2



iPhone 6 Plus

CSS Dimensions

width 414px

height 736px

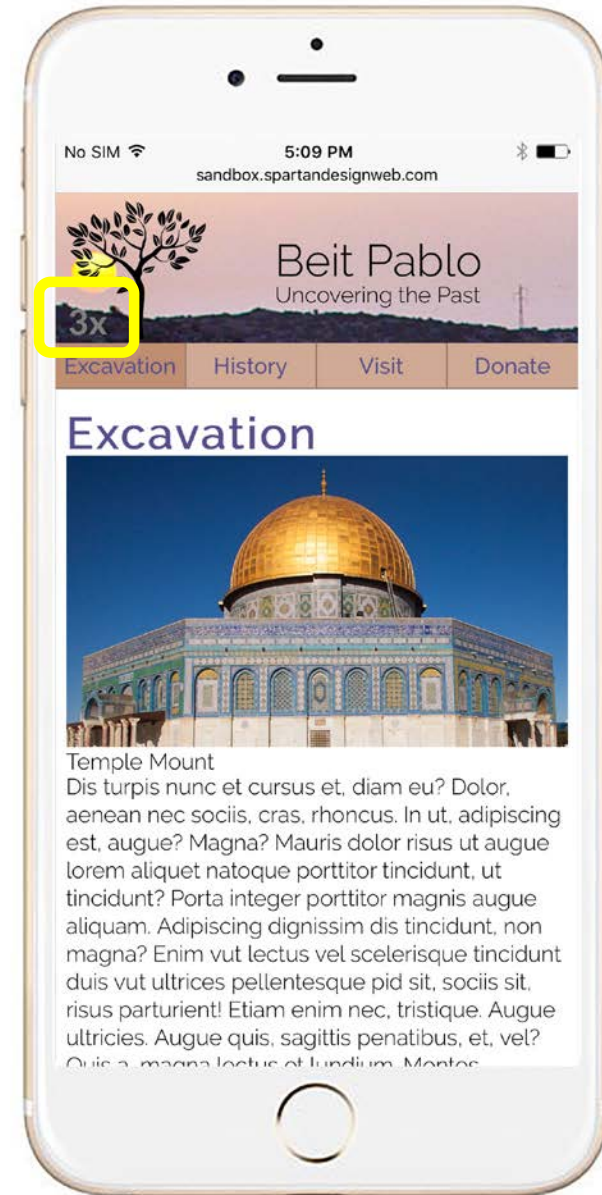
Dots of Light

width 1080

height 1920

Pixel Ratio

3



Samsung Galaxy 6

CSS Dimensions

width 360px

height 640px

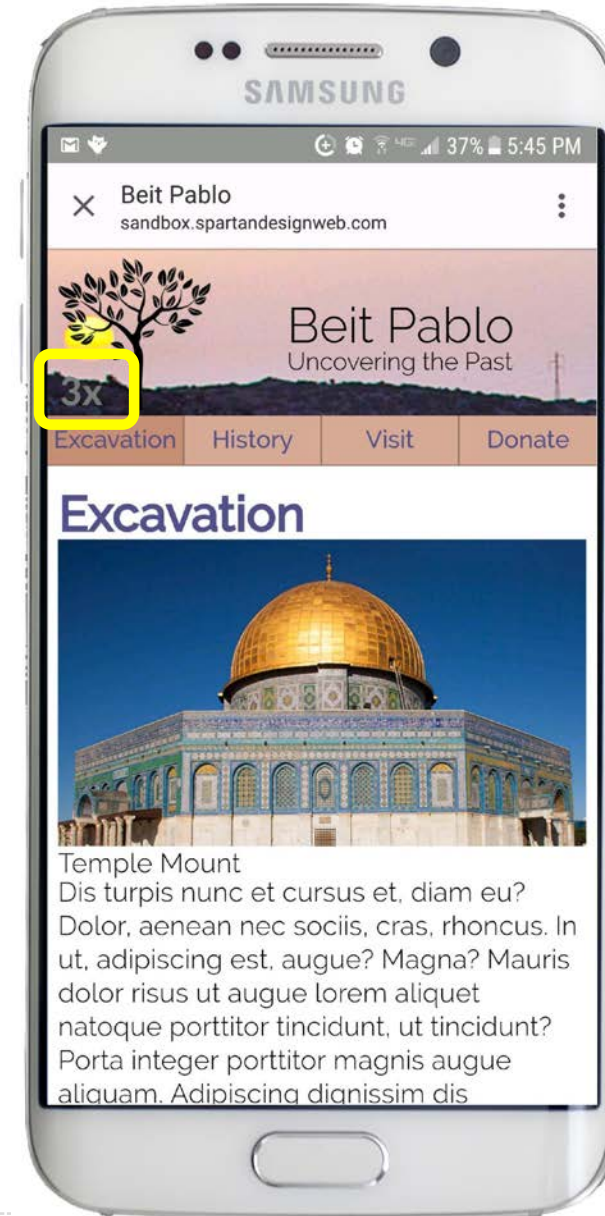
Dots of Light

width 1440

height 2560

Pixel Ratio

4



When Is It Enough?



Cost/Benefit Analysis

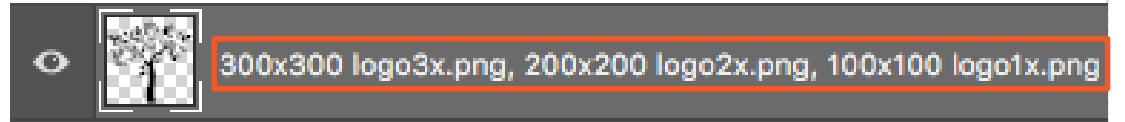
Benefits

Projection

Important Part of the Site

Small File Size

Costs



```
<figure class="logo">  
    
</figure>
```



Summary



Identify Sizes

Build Graphics

Add Code

Test Logo





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

