Icon Navigation

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Agenda

What You Will Learn

Completed Project

Build Small

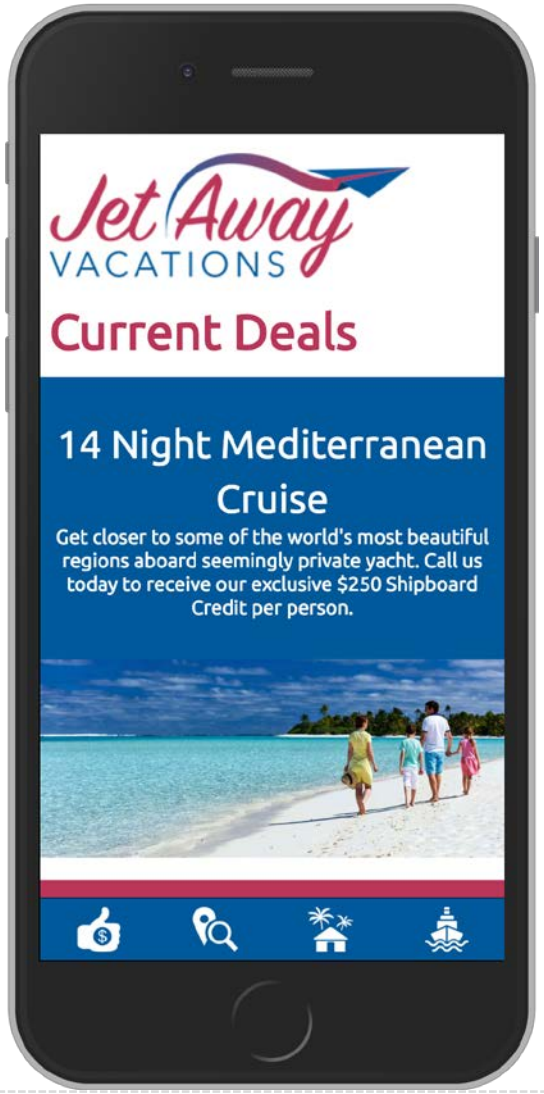
Build Medium and Large

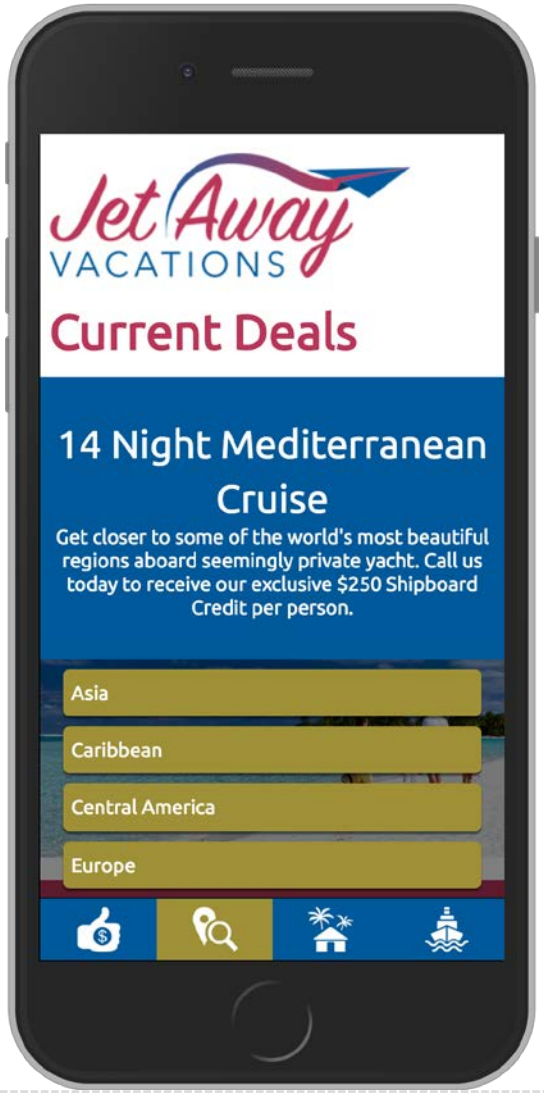
Testing

What You Will Learn

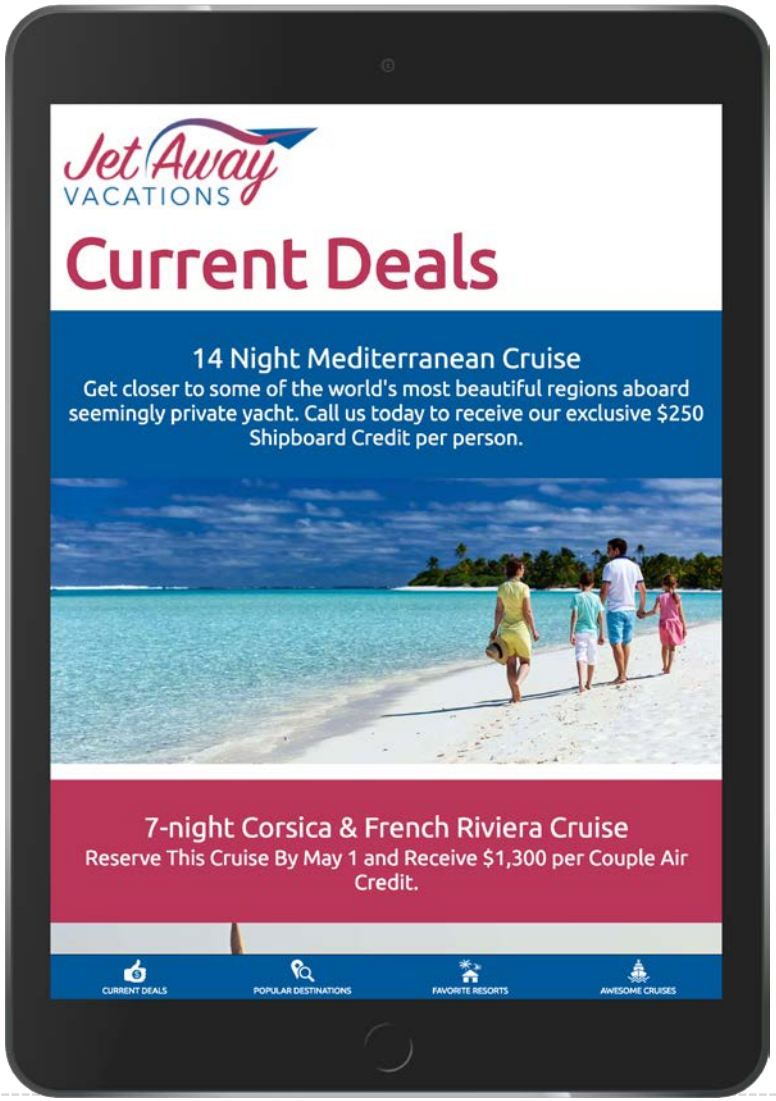
- Icons
- Fixed at Bottom
- New SCSS Files
- Min and Max
- Submenus Above

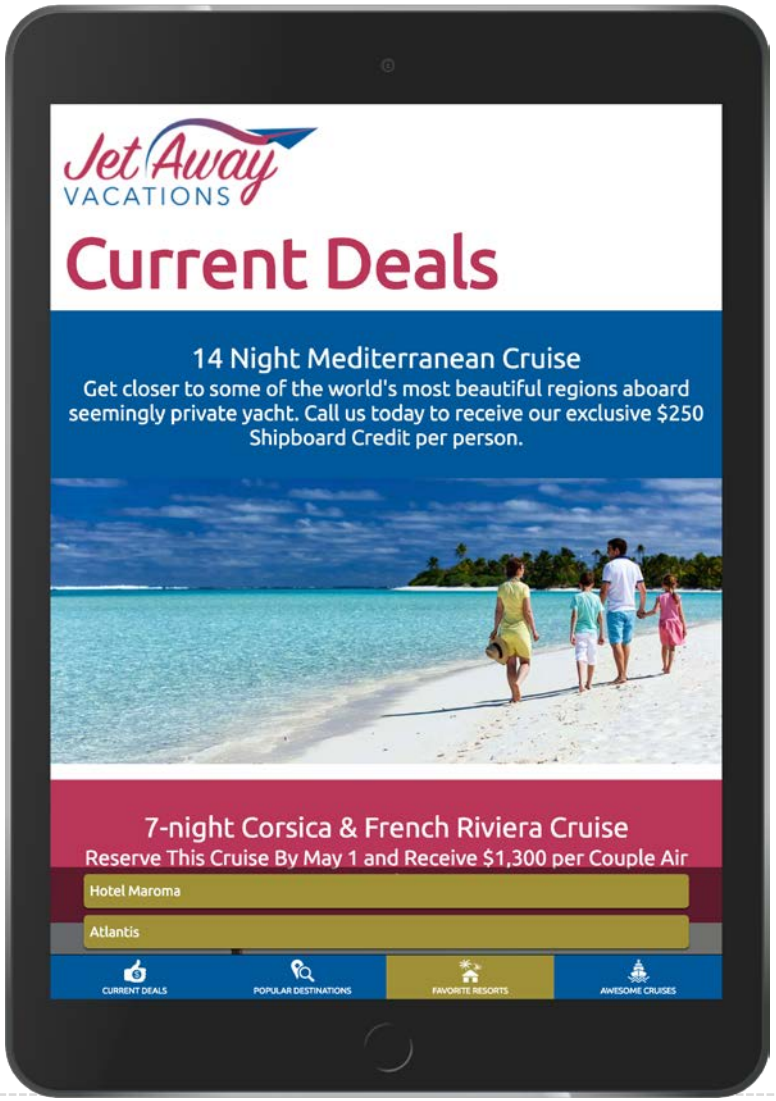
Completed Project - Small



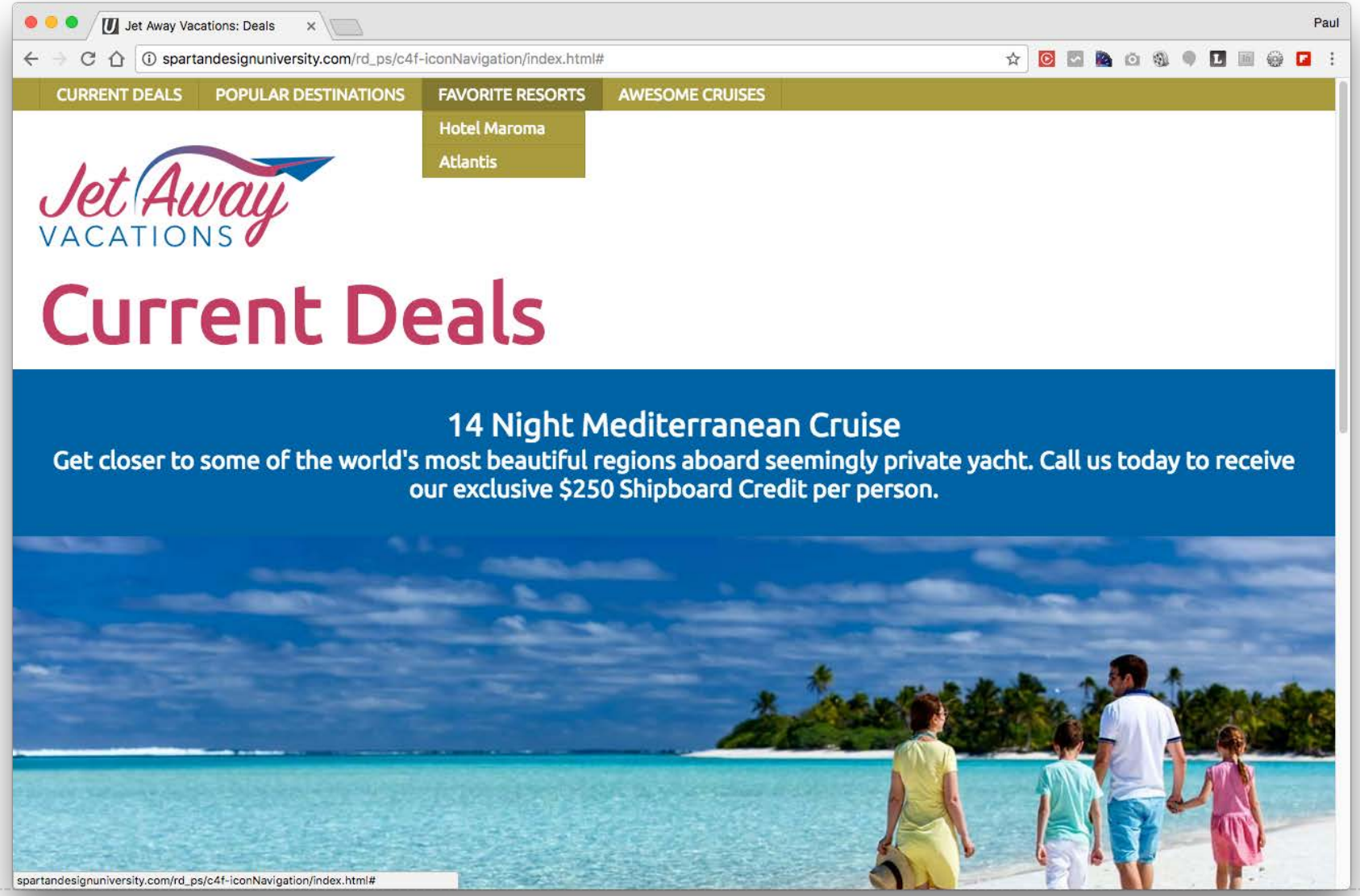


Completed Project - Medium

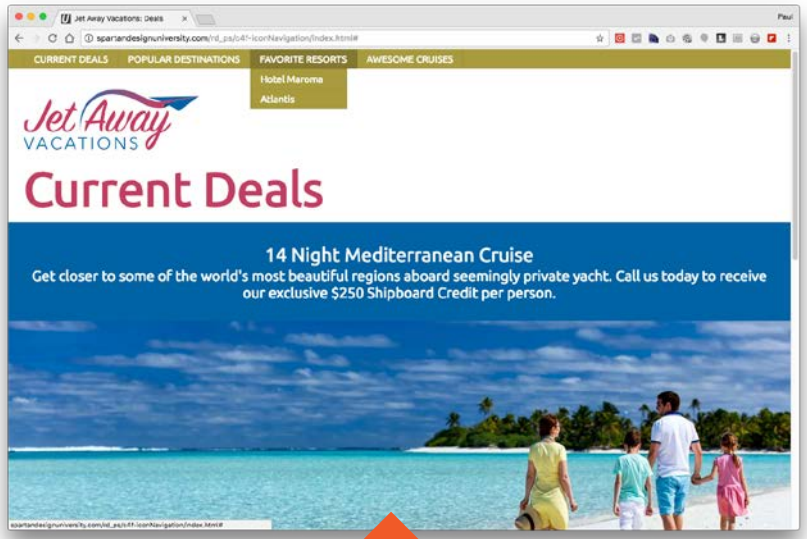




Completed Project - Large



Tweaked Progressive Enhancement



smallNav.scss

smallNav.scss

large.scss

medium.scss

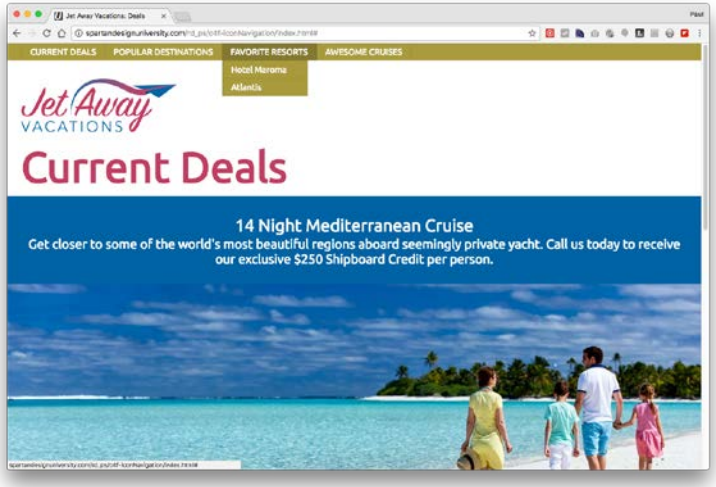
small.scss

0

35em

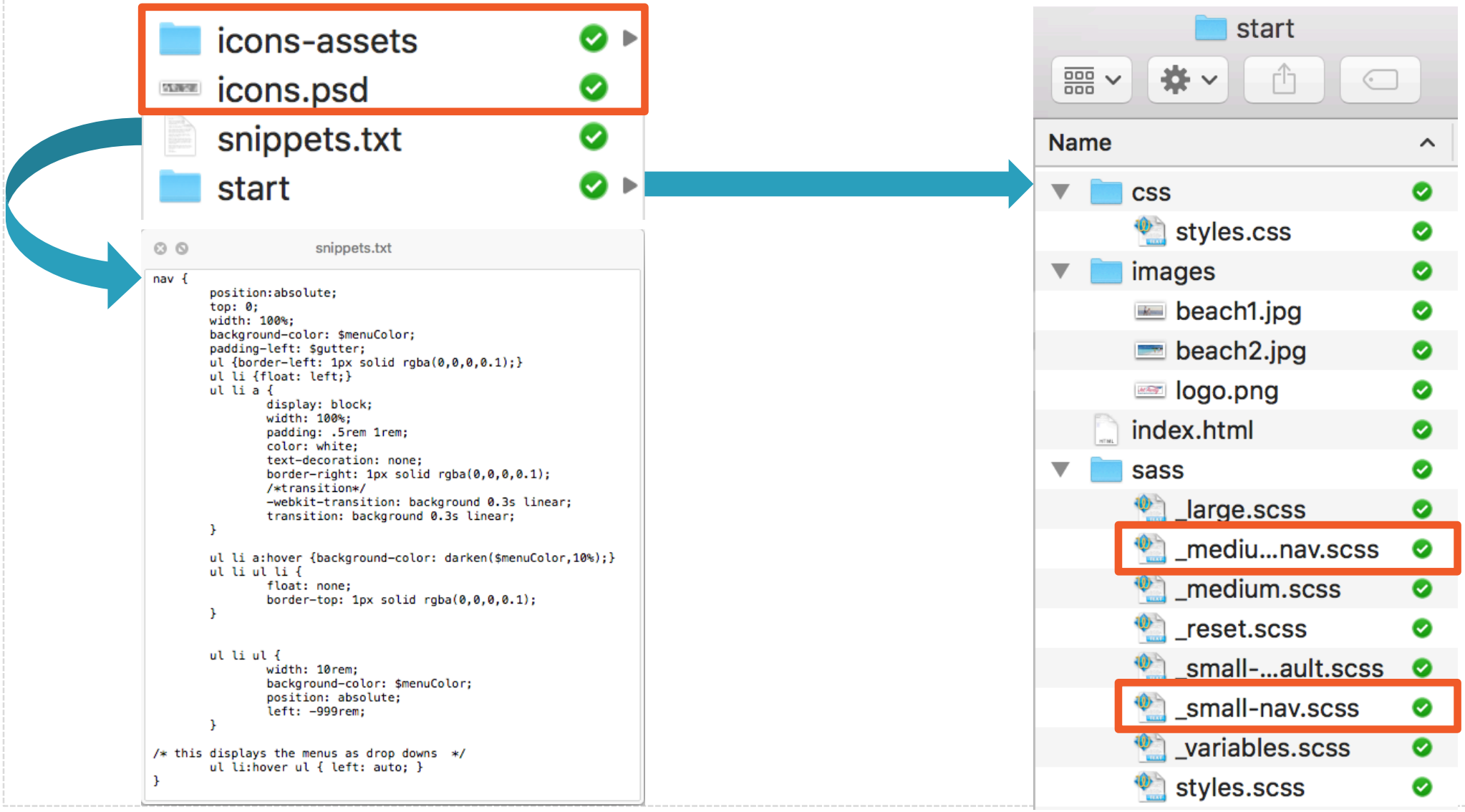
64em

∞



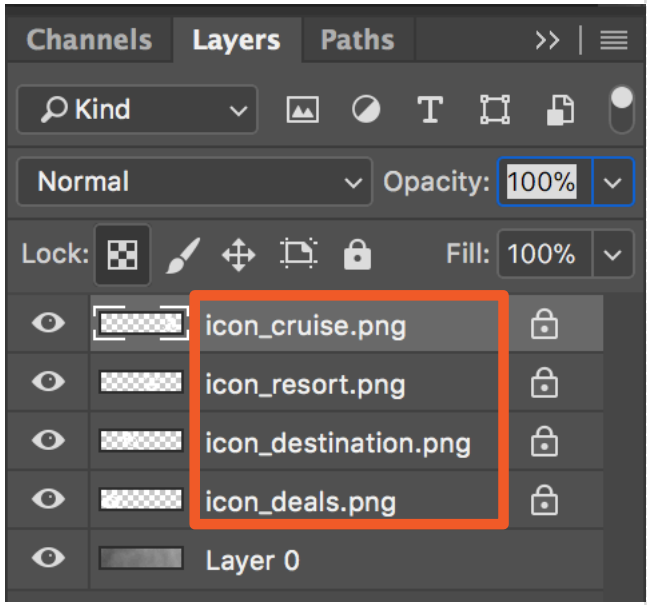

```
@import "reset";

@import "variables";

@import "small-default";

//small screen navigation starts here
@media only screen and (max-width: 63.9375em) {
    @import "small-nav";
}

//medium screen navigation starts here
@media only screen and (min-width: 35em) and (max-width: 63.9375em) {
    @import "medium-nav";
}

//35em is also 560px (if basefont is 16px)
@media only screen and (min-width: 35em) {
    @import "medium";
}

//64em is also 1028px (if basefont is 16px)
@media only screen and (min-width: 64em) {
    @import "large";
}
```

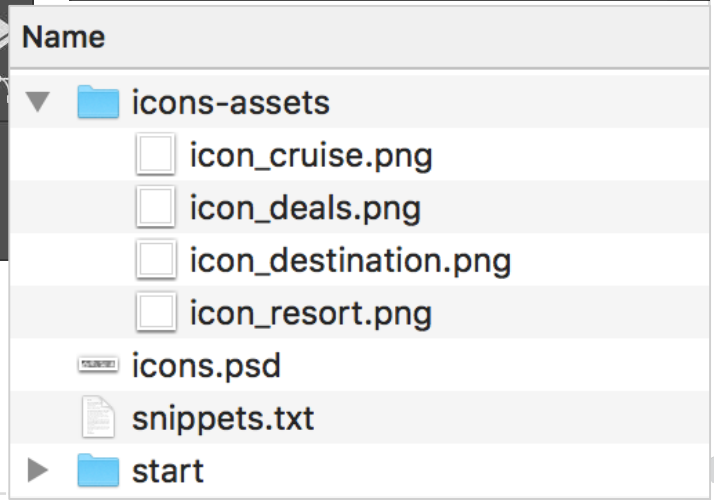
Start File


icons-assets
icons.psd
snippets.txt
start
snippets.txt
nav {
position:absolute;
top: 0;
width: 100%;
background-color: $menuColor;
padding-left: $gutter;
ul {border-left: 1px solid rgba(0,0,0,0.1);}
ul li {float: left;}
ul li a {
display: block;
width: 100%;
padding: .5rem 1rem;
color: white;
text-decoration: none;
border-right: 1px solid rgba(0,0,0,0.1);
/*transition*/
-webkit-transition: background 0.3s linear;
transition: background 0.3s linear;
}
ul li a:hover {background-color: darken($menuColor,10%);}
ul li ul li {
float: none;
border-top: 1px solid rgba(0,0,0,0.1);
}
ul li ul {
width: 10rem;
background-color: $menuColor;
position: absolute;
left: -999rem;
}
/* this displays the menus as drop downs */
ul li:hover ul { left: auto; }
}
start
Name
css
styles.css
images
beach1.jpg
beach2.jpg
logo.png
index.html
sass
_large.scss
_mediu...nav.scss
_medium.scss
_reset.scss
_small-...ault.scss
_small-nav.scss
_variables.scss
styles.scss

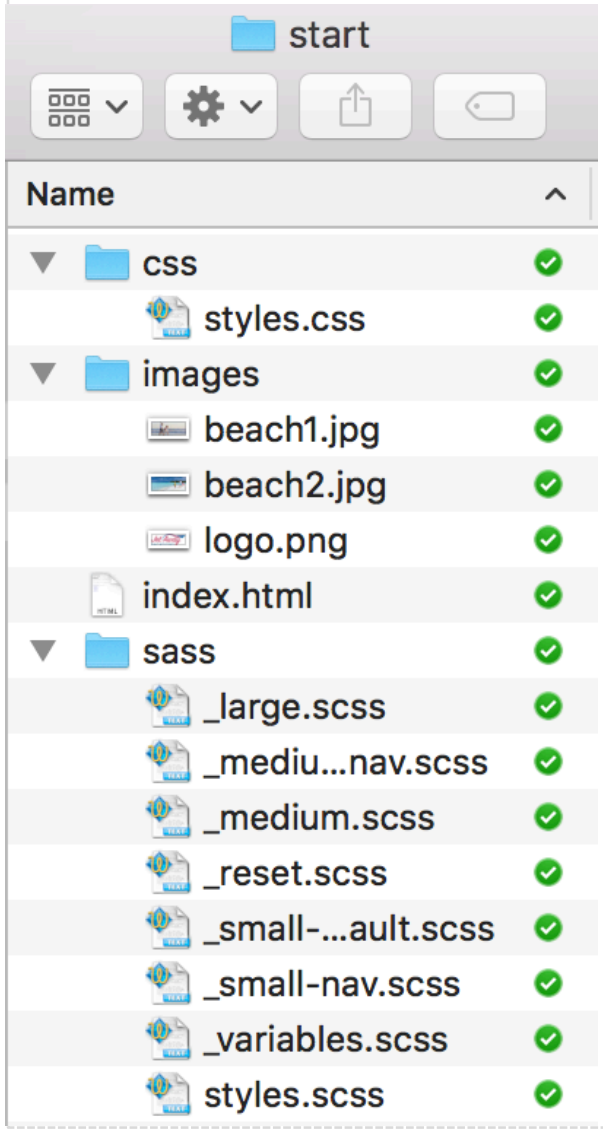
Icons

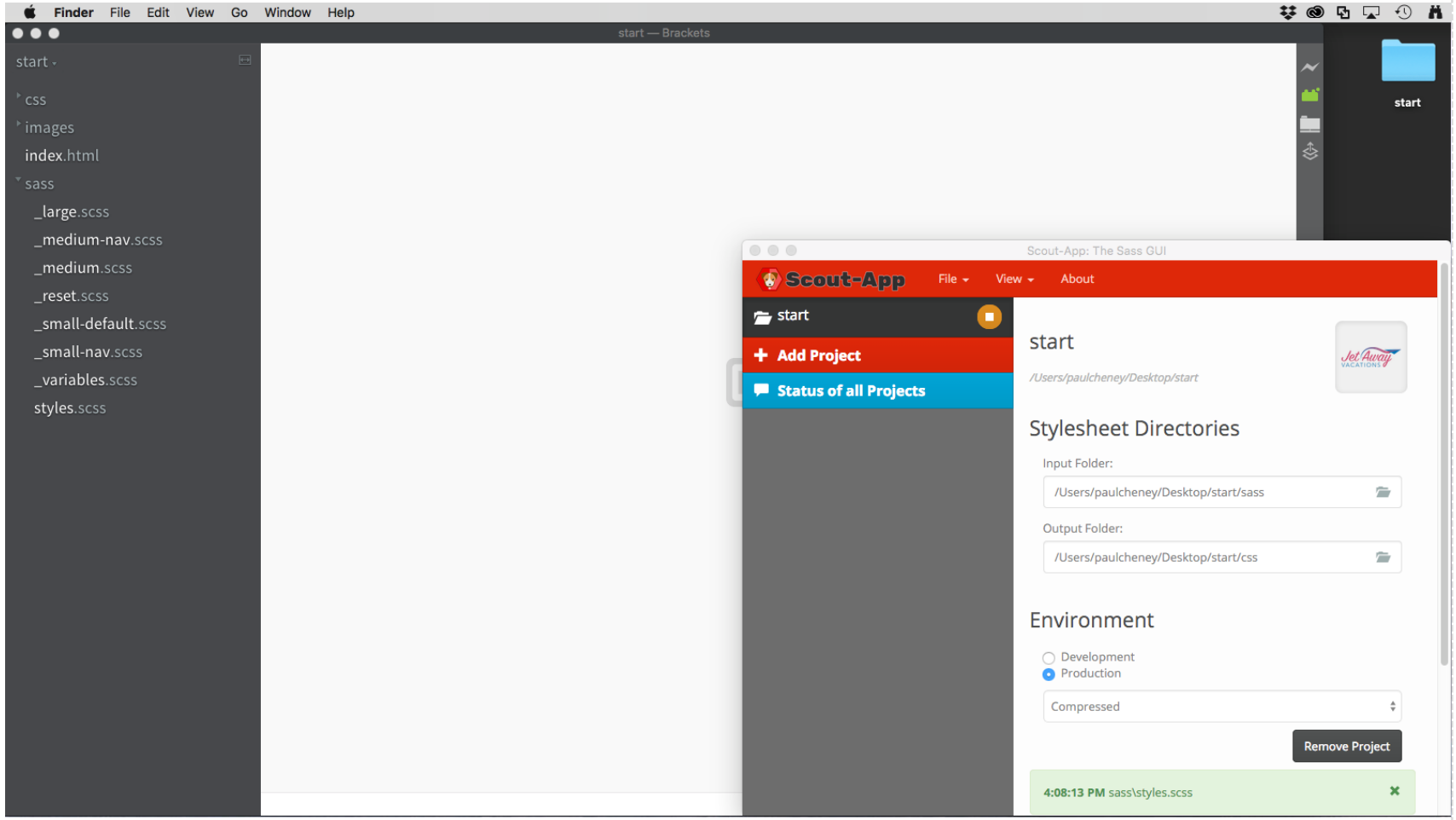
Adobe Photoshop CC 2018
Feather: 0 px
Anti-alias
Style: Normal
Width:
Height:
Select and Mask...
icons.psd @ 300% (icon_cruise.png, RGB/8)
300%
Doc: 103.1K/240.6K


Channels
Layers
Paths
Kind
Normal
Opacity: 100%
Lock:
Fill: 100%
icon_cruise.png
icon_resort.png
icon_destination.png
icon_deals.png
Layer 0


Name
icons-assets
icon_cruise.png
icon_deals.png
icon_destination.png
icon_resort.png
icons.psd
snippets.txt
start

Start File


start
Name
css
styles.css
images
beach1.jpg
beach2.jpg
logo.png
index.html
sass
_large.scss
_mediu...nav.scss
_medium.scss
_reset.scss
_small-...ault.scss
_small-nav.scss
_variables.scss
styles.scss


Finder File Edit View Go Window Help
start — Brackets
start
css
images
index.html
sass
_large.scss
_medium-nav.scss
_medium.scss
_reset.scss
_small-default.scss
_small-nav.scss
_variables.scss
styles.scss
start
Scout-App: The Sass GUI
Scout-App File View About
start
Add Project
Status of all Projects
start
/Users/paulcheney/Desktop/start
Stylesheet Directories
Input Folder:
/Users/paulcheney/Desktop/start/sass
Output Folder:
/Users/paulcheney/Desktop/start/css
Environment
Development
Production
Compressed
Remove Project
4:08:13 PM sass\styles.scss

The first thing we need to do is copy the icons from the assets folder to images in our start folder.
Open the index file in your browser and notice that the navigation is at the bottom of the page below the footer. We want persistent navigation stuck to the bottom of the screen. To make this happen we need 4 lines of code.
Please open the small-nav file.
Add position: fixed and then bottom 0.
These two will keep the nav at the bottom of the screen regardless page scrolling.
Now add width 100% and give it a background color of $primaryColor from the variables.
Notice that the blue blends a bit with the page blue
Lets add border-top: that is a solid 1px line at 50% black
Now its easier to separate the nav from the page.

Now lets take the four main menu items and display them horizontally using float left and a width of 25 percent.
Now you can sort of see the 4 blocks of text. Its a bit of a mess but creativity has never been clean endeavor.

Now lets style the anchors using display block which we alwayse use with anchors as links. This allows us to use a height of 50px and a width of 100%. Now the 100% is the full width of the list item whish we already set as 25% of the page width. This does not make a big change yet but these are essential before we through in the graphics.

In order to display the background image properly, we need four statements.
First we display one of the icons using backgrond-image and a url to the deals.png file.
This is what it look like.
Lets tell the image to display only one time using no-repeat.
We will center the icon in the anchor both horizontally and vertically
We will reduce the size using auto for the width and 36px for the height. Using auto maintains the correct image proportion.
Now when we look at it the deals icon looks good in all four main menus anchors. Now lets change the icon for the remaining buttons.

If you look at the code, three of the four statements are true for all the icons and only the background image statement needs to change.

Lets come down here and using an li with nth child of 1 lets talk to the first menu item. We will remove the background image statement from up here and move it down here.

Now the deals icon only appear on the first main icon. It also shows up on the sub menus but we will take care of that later.
Copy this line and paste it three more times. Change the child to 2, 3 and 4.
Change the icons to destination, resort and cruise.

Now the icons are all showing up properly in the 4 main menu items.

Open the index and notice that I havd a span tag around the text for each main menu anchor

In the small nav file lets hide the text using display none.
Now we only see the icons.

Lets work on the sub menu items using ul li ul
We already set the height of the top level isons to 50px up here so lets position the sub menu items as absolute and set the bottom at 50 so they are just above the other links.
Now you can see them above the others.
We should set their x-index to 99 to insure they are above anything else on the page
We will move them so they line up at the left edge of the screen.
While were at it we will set the background color to 50% black so we can see them a little better.

Now we can see both sub menu items stacked together above the main links.
You can now see that the sub menu items are also taking 25% of the page width so lets remove the float and set the width to 100%.

Now were ready to style the anchors.

create a new selector for the primary ul li submenu ul li a
Please set the background color of the anchor to $menuColor and the text color to white.
Now we can see some real progress.

Lets remove the background image and remove the text decoration underline.
Notice that these sub menu items are following the parent height of 50px so lets change that to height of auto.
Now they are all smashed at the bottom.

Lets add some padding to increase the size of the button to make them clickable and separate them using margin of .5rem at the to and bottom and 0 at the sides.

At this point you could be done with the sub links if you liked that look. However, let me show you something else just in case you want to try it.

Set the margin right and left to 5%
This means that we need to reduce the width to 90%
Now let round the edges using 5px
Finally add a box shadow of 0 right 2px down 1px blur and 50% rgba black.

This provides another option in case you like it better.

What we are seeing is both sets of sub menu items exactly on top of each other. Now its time to show them only on touch.

Please create a new rule for ul li:hover ul.
This kicks in to play when the user touches on mobile screens or hovers with a mouse

Remember that earlier in the ul li ul we had to set the bottom to 50px to see the sub menu items.
Lets remove that statement and move it to the hover rule we just created. Now when we refresh and click, our sub menu items appear on touch.

Lets change Chrome to responsive and make a couple more changes. Notice that on mouse hover there is no color change.

Lets add a ul li hover a color of menu color.

This way the active menu item matches the sub menu items color. notice that the sub menu items do not respond to mouse hover.

Lets add another rule to darken the sub menu item color using sass darken by 10%,
I am not sure how many people will shrink their browser and view the page but just in case, we are prepared to impress them.

Now if you will change your emulated device to a medium screen you can see that I have to scale the page to 50% to see the bottom and that is too small to see clearly what we are doing. Therefore I am going be using the responsive option and set the width to about 560px wide which is within the medium screen range. Now I can use 125% scale and you can see the icon at the bottom of the screen better.

For the medium screen I want to add the text below the icons and reduce the icon size.

Lets start by talking to the span inside the anchor and change the display to block.
The result is creating the two selectors we will need for medium navigation.

First add ul li a and then ul li a span.
Lets show the text using display block.
The text is showing but it's too large and the wrong color.
Lets remove the default underline, change the color to white and set the font size smaller
We now have descriptive text but it's in the wrong place.

Lets change the position of the anchors to relative which will then allow us to change the position of the child element to absolute. Now we can move the text to the bottom of each anchor at 5px above the bottom.
That's exactly what I was looking for.

Now we need to center the text within each anchor.
lets set the width of each span to full width and then we can center the text

The text looks great, Now all we need to do is shrink the icons

In the small nav the icons were auto and 36px.
In the medium nav lets use auto and 26px. We will position the icons in the center horizontally and down 5px from the top to match the 5px used for the text.

Now those are some pretty great looking icons.

The large screen links are a standard horizontal list with dropdown on hiver. We have been doing these for the last several units so I provided the code for you in the snippets file. Copy everything from snippets and paste it in large below the body selector.

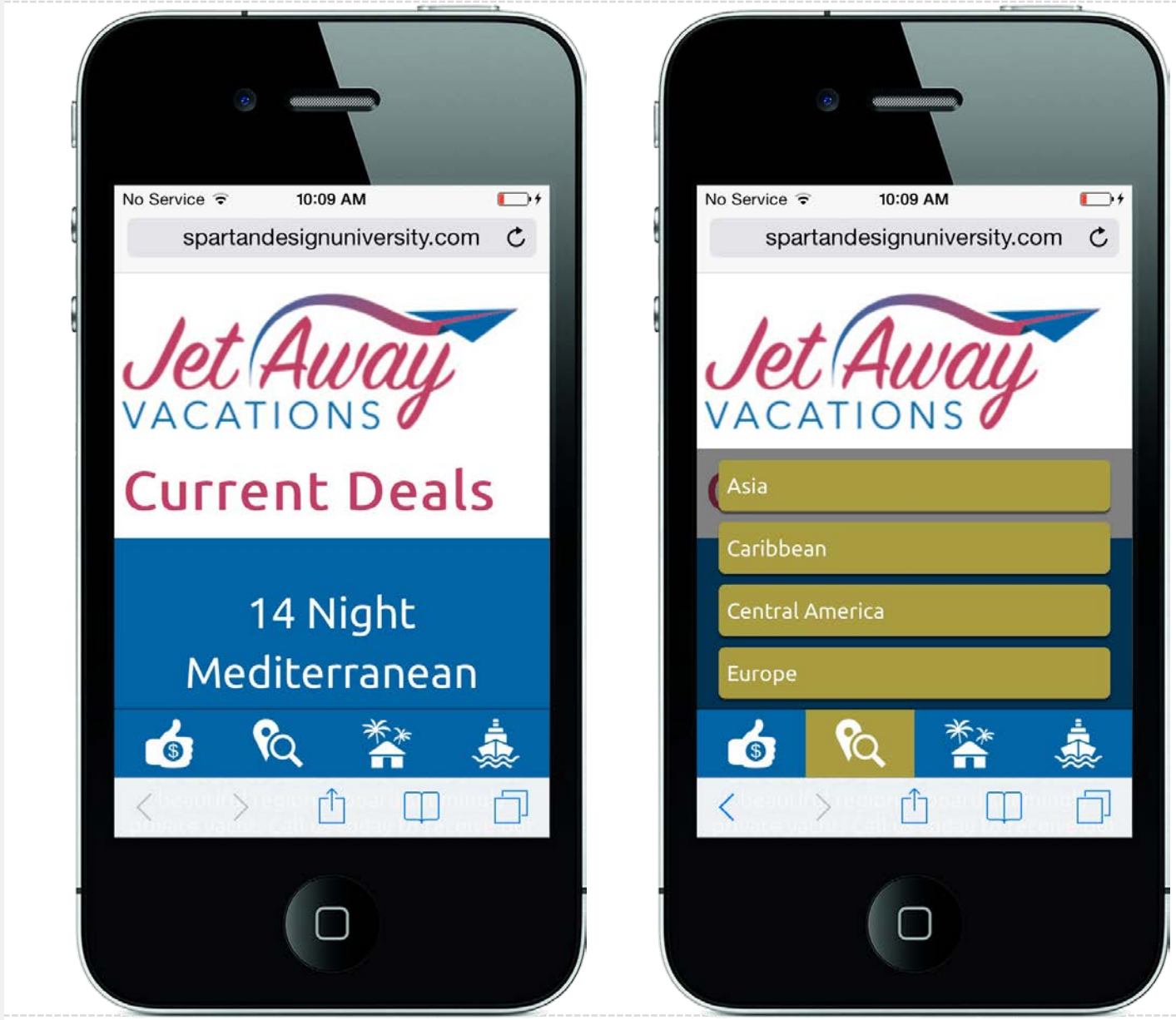
Because the html position of the links is at the bottom of the page. we need to force the nav to the top using position absolute and top 0. Everything else here should be familiar.

Change your page size to 100% and wider than 1028 and you will see the navigation links appearing.
Lets turn off the inspect tools and look at the site from small... to medium... to large.
Now pat your self on the back and upload this to a real server for testing.

Testing

iPhone 4

Safari

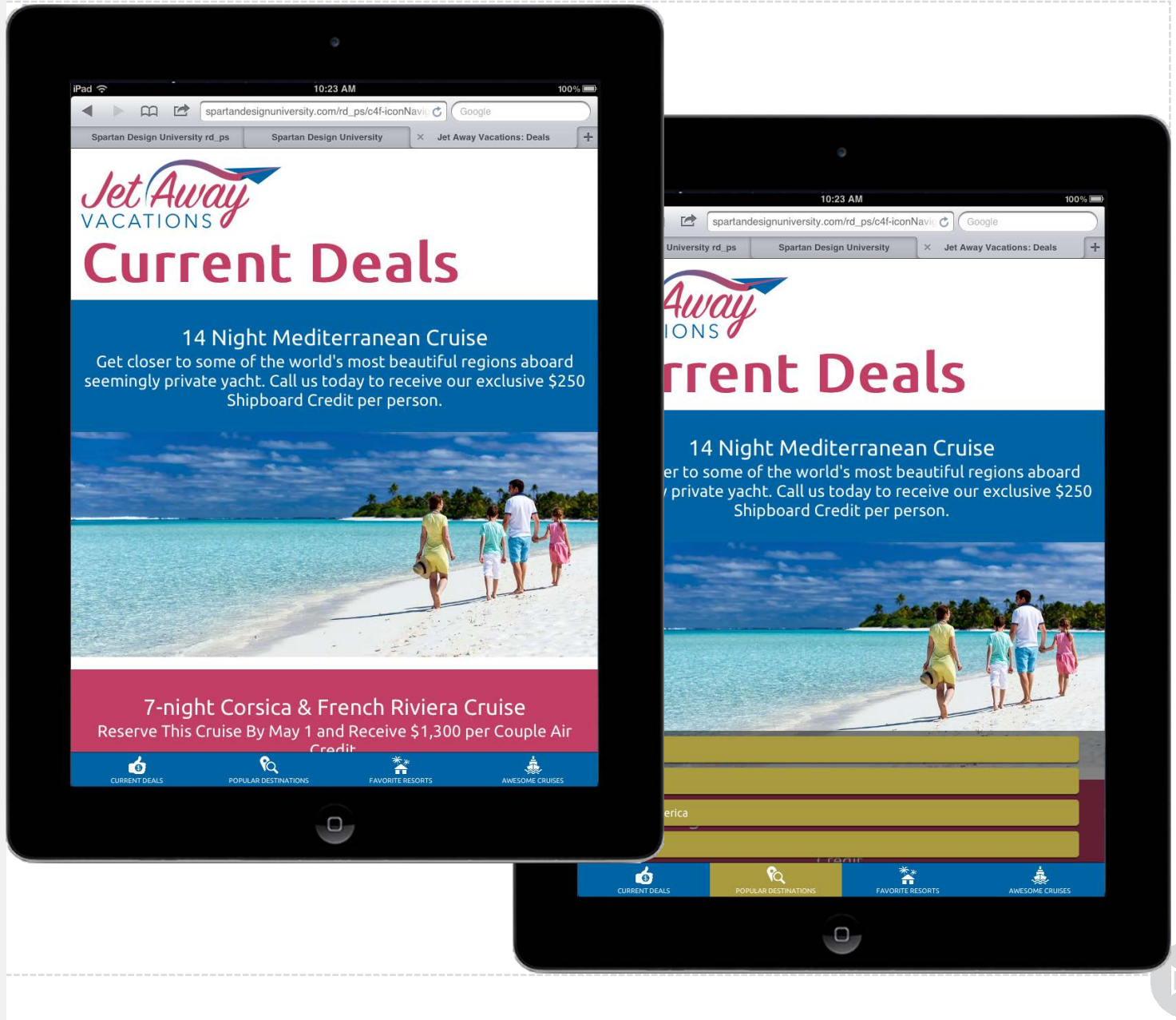


iPhone 4

Chrome

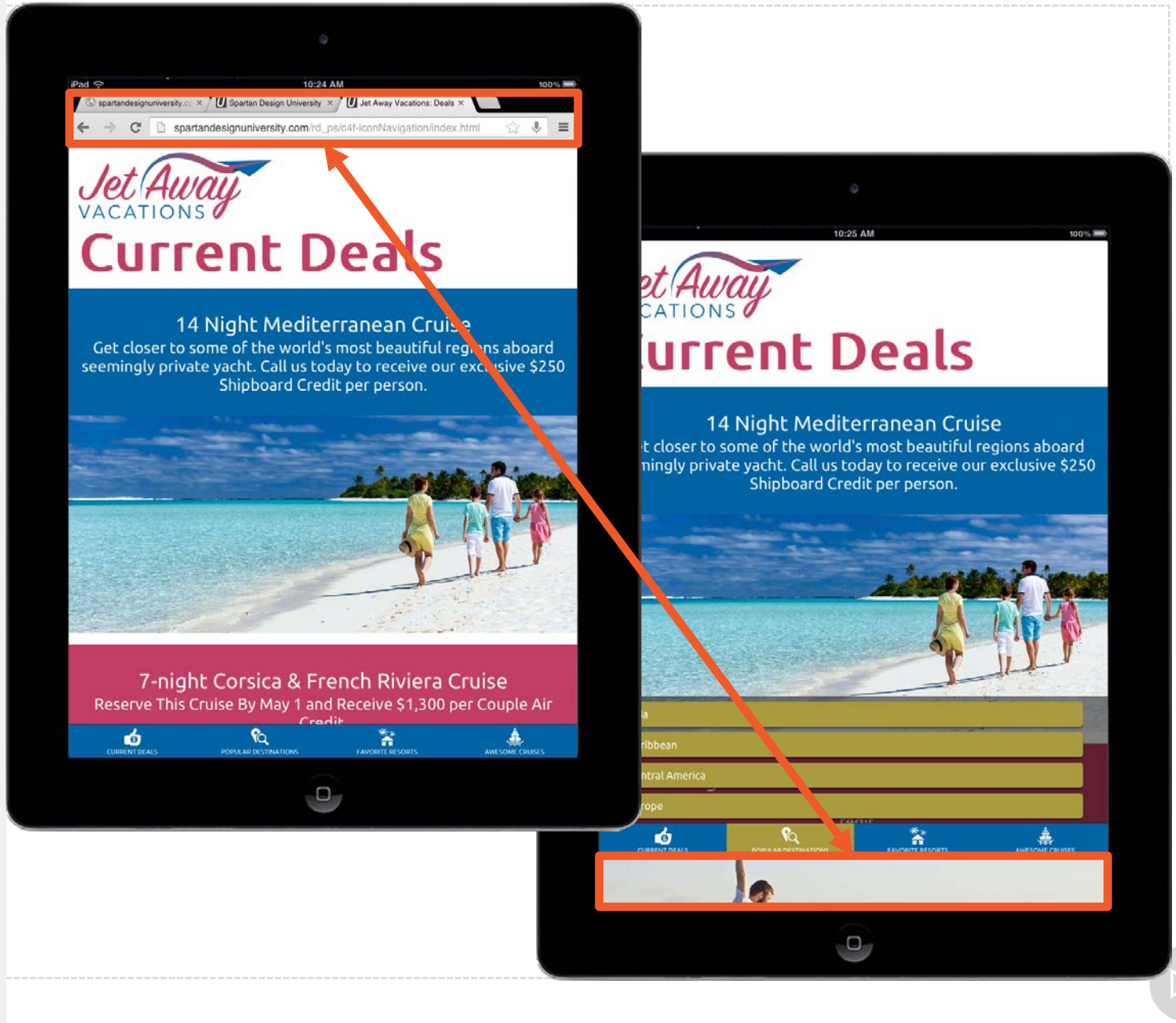
iPad 1

Safari



iPad 1

Chrome

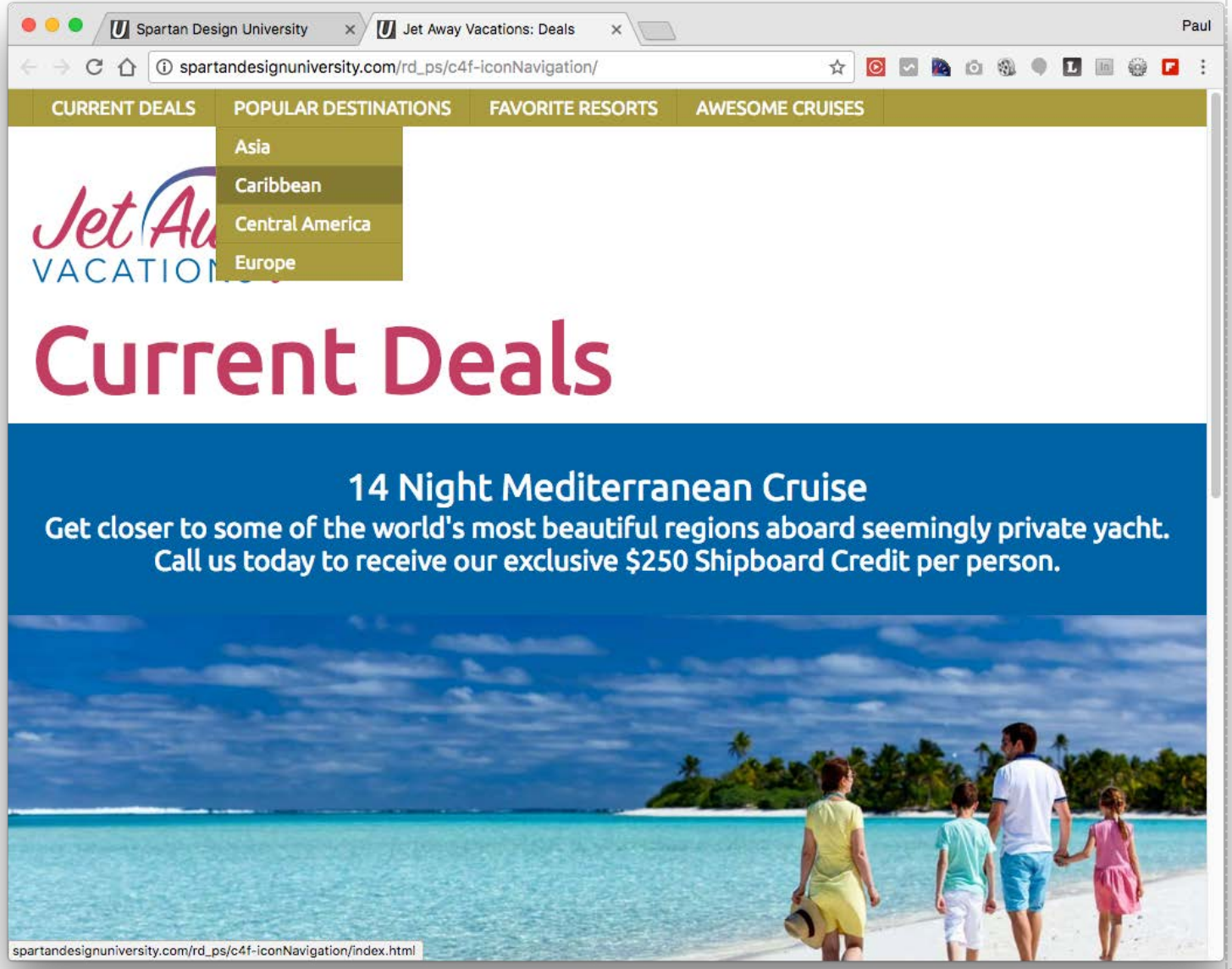


Desktop

Safari

Chrome

Firefox

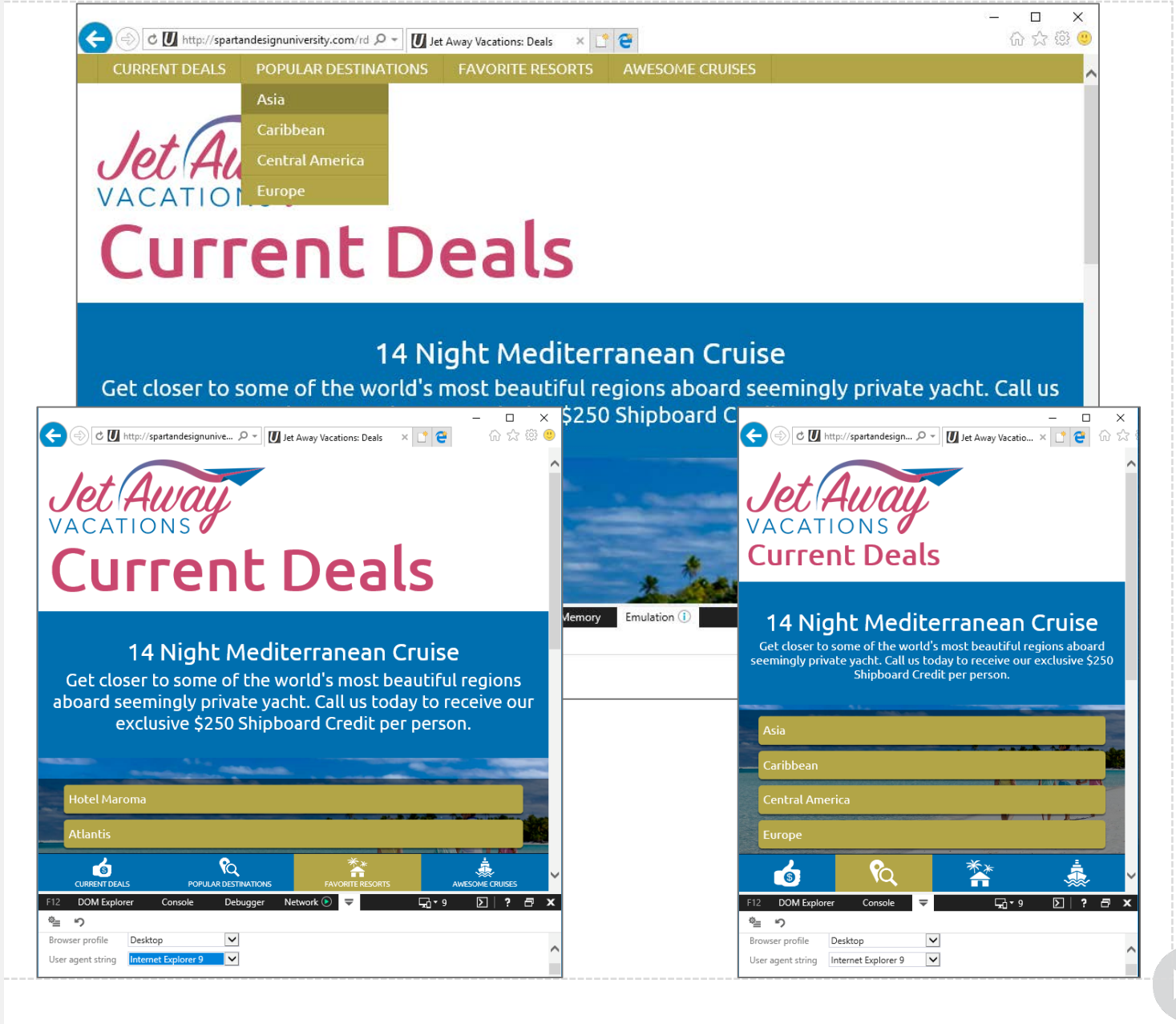


Internet Explorer 9

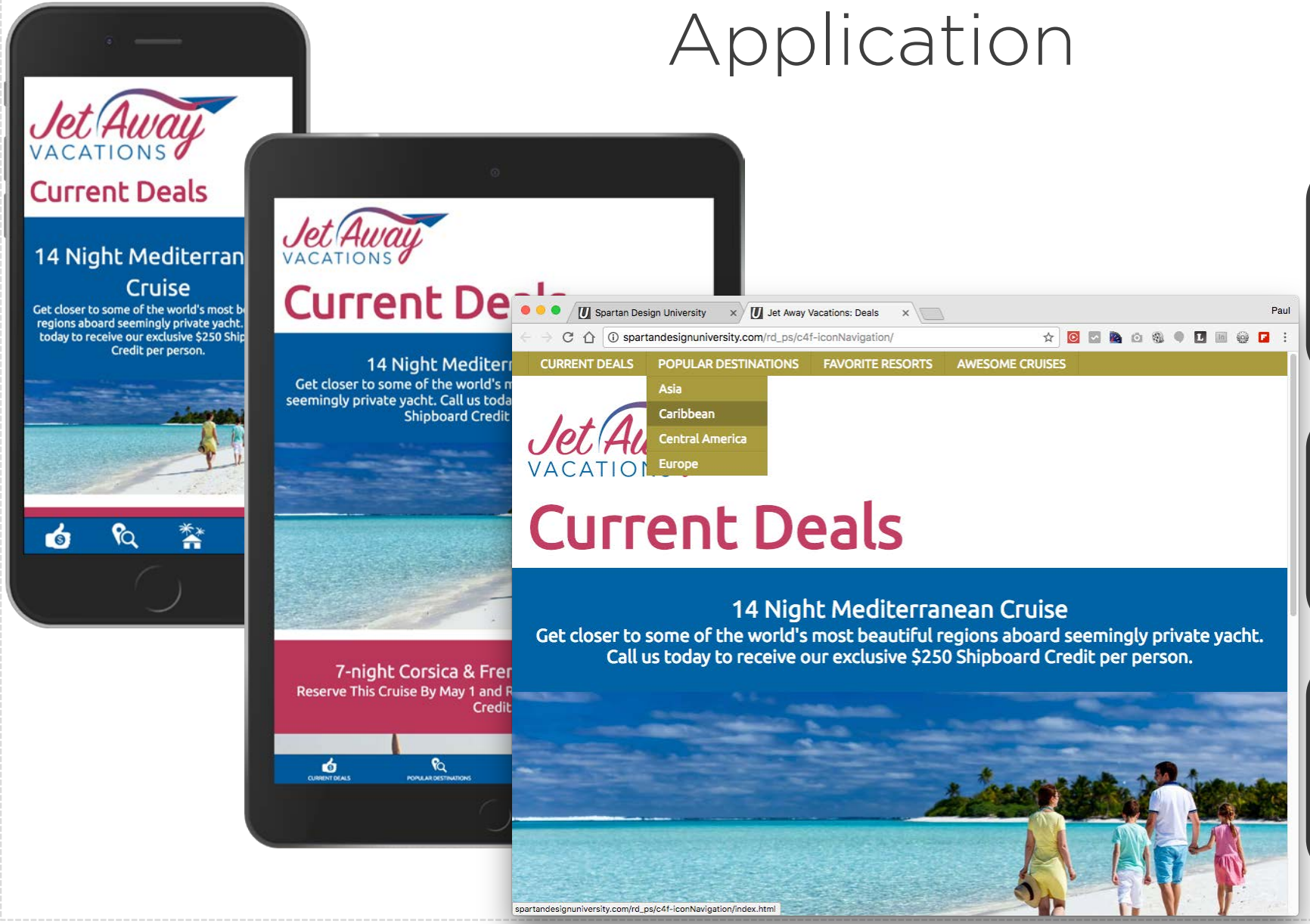
IE 10

IE 11

Edge



Application



Older Device Performance

Four Main Links

Sublinks

Summary

What You Will Learn

Completed Project

Build Small

Build Medium and Large

Testing

Introduction

Coding the Navigation

Cover Navigation

Expanding Navigation

Footer Navigation

Expand on Touch

Single Level Navigation

Icon Navigation