

Single Level Navigation



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Agenda



What You Will Learn

Completed Project

Build Small

Build Medium

Build Large

Testing



What You Will Learn

Single Level Navigation

Looking Ahead

Working to the Future

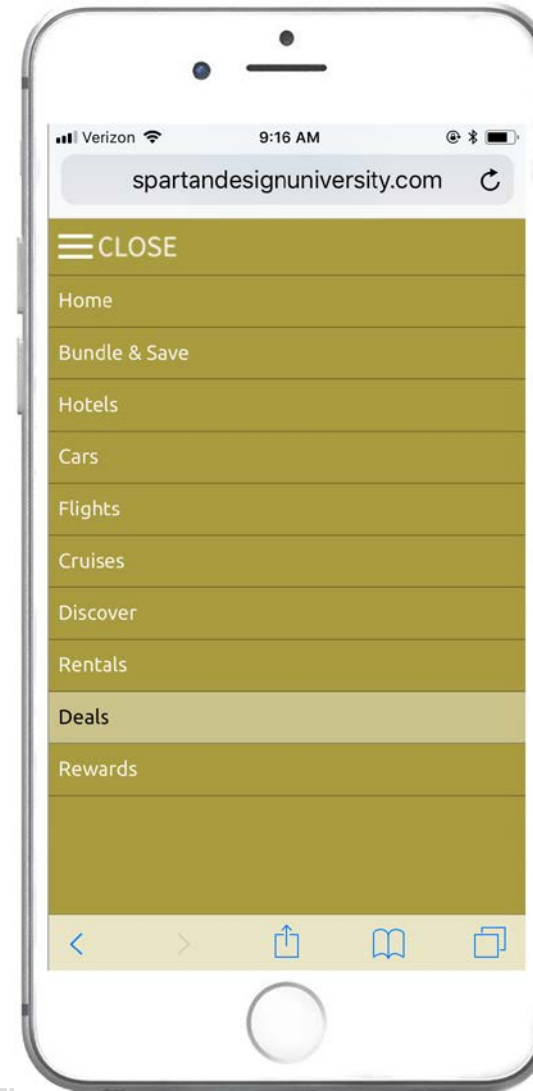
Flexbox & Grids

Ignore Old Browsers

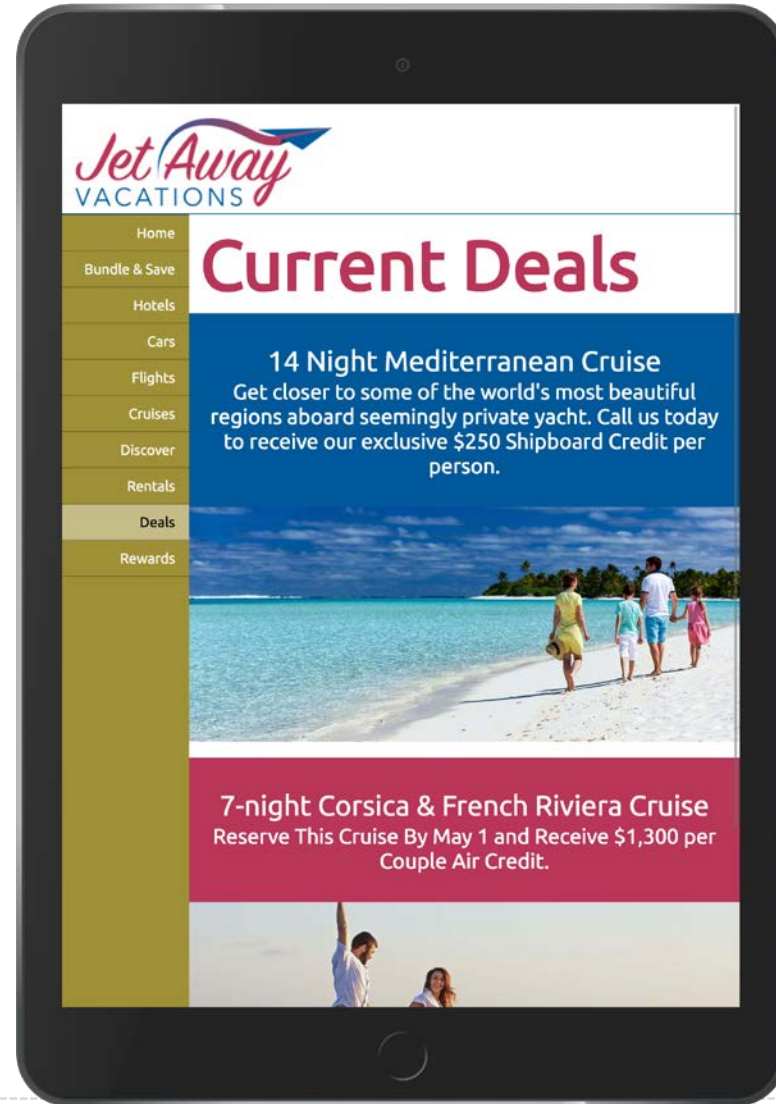
Medium Screen Approach



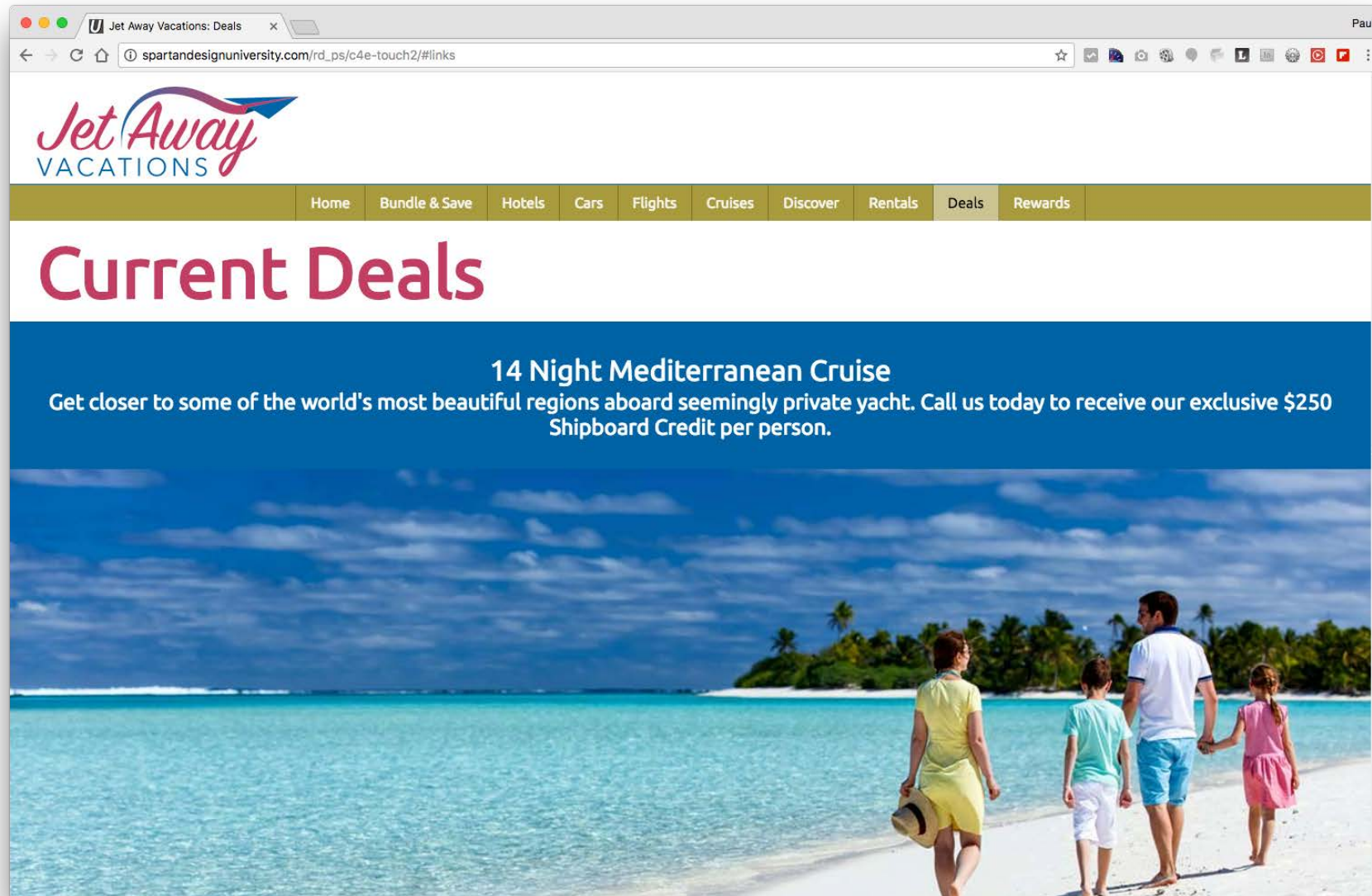
Completed Project - Small



Completed Project - Medium



Completed Project - Large



HTML

<body>

<header>

<div>

<nav>

<main>

<footer>



Navigation Links

```
<!-- NAV STARTS HERE -->
<nav id="links">
  <div><a class="hamburgerClose" href="#top"></a></div>

  <ul>
    <li><a href="index.html">Home</a></li>
    <li><a href="bundle.html">Bundle & Save</a></li>
    <li><a href="hotel.html">Hotels</a></li>
    <li><a href="cars.html">Cars</a></li>
    <li><a href="flight.html">Flights</a></li>
    <li><a href="cruise.html">Cruises</a></li>
    <li><a href="discover.html">Discover</a></li>
    <li><a href="rentals.html">Rentals</a></li>
    <li class="active"><a href="deals.html">Deals</a></li>
    <li><a href="rewards.html">Rewards</a></li>
  </ul>
</nav>
```



Small Grid Areas

grid-template-areas:

"hamburger"

"logo"

"content"

"footer"

"links";

OPEN

Jet Away
VACATIONS

Current Deals

14 Night
Mediterranean
Cruise

Get closer to some of the world's most beautiful regions aboard seemingly private yacht. Call us today to receive our exclusive \$250 Shipboard Credit per person.



7-night Corsica &
French Riviera Cruise
Reserve This Cruise By May 1 and Receive
\$1,300 per Couple Air Credit.



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CLOSE

Home
Bundle & Save
Hotels
Cars
Flights
Cruises
Discover
Rentals
Deals
Rewards



Navigation

width: 100%;
height: 100vh;



☰ CLOSE

Home

Bundle & Save

Hotels

Cars

Flights

Cruises

Discover

Rentals

Deals

Rewards



Start File

Name	
▼	css
	styles.css
▼	images
	beach1.jpg
	beach2.jpg
	logo.png
	menuCloseBlack.png
	menuCloseWhite.png
	menuOpenBlack.png
	menuOpenWhite.png
	index.html
▼	sass
	_large.scss
	_medium.scss
	_reset.scss
	_small-default.scss
	_variables.scss
	styles.scss



Please open up the index file and notice that the body has an id = top and the division has an id=links. These two work together to show and hide the navigation links as we demonstrated in the previous module.

Notice that although the division has an anchor with an href, when we pull up the web page, it does not show up. Lets start by styling the open hamburger icon.

In the small file we are going to style a class called hamburger and then extend it using sass to change the icon that is being displayed. Since we did this exact thing in the previous module, I have provided the code in the snippets file in the demos for this unit. Please copy and paste the code starting on line 27.

When we look at the results, we have a clickable gap below the header but we need to add a color to the division to make it show up.

In the html you can see the division with an id of navbar.

In the small file create a selector for div # navBar and give it a background color of \$menuColor

When you refresh the page, you see our golden nav bar ready to go. Clicking it now will move the home button to the top of the screen just as it should.



What we need now is the companion hamburger close icon at the top of the site links above the home anchor.

Open the html file and you can see on line 38 another division with an anchor inside. This anchor has a class of hamburger close. Lets style this to become the close hamburger icon.

In the small file copy the selector for hamburger open and paste it below its self.

Please change the selector to match the hamburgerClose class from the html

then change the graphic to menu CLOSE white. Using sass extend, which we covered earlier, allows us to reuse the rules from hamburger and add a background image.

Once again we can see the space created by the hamburger icon and when we click it, the menu jumps up and down as it should. What we are missing is the background color behind all the links.

In the small file create a selector for nav. Add a background color of Menu Color Also add a width of 100% and a height of 100vh.

Now when we refresh the page and click open, the menu fills the screen.



Styling the links is identical to the previous module so open the snippets file and grab the code for the ul li a and paste it below the height statement.

Save and refresh and there are the links each separated by a line. What I want next is a line between the top link of home and the close hamburger icon.

Now watch this closely. Add a ul li a with a border-top that matches the other border. This add the border we want above the home button, however, it also creates a double border on all the other links.

So lets go back and add a psudo class of first child to the list item. Now we have a single border separating all the items and it looks great.

Lets now put all these pieces in the correct place using css grids.



In the small file in the body tag add display as a grid.
Then create grid template areas of hamburger, logo, content, footer and links. Yes, I just made up these words.

Now we need to assign our elements to the correct area.

Please assign the header to grid area logo
then assign the division to the grid area hamburger
Next assign the nav to the grid area links
Then assign main to grid area content and
finally footer to grid area footer

Now refresh your page and be amazed.



Remember that in the html we have a class of active assigned to the deals menu item

Lets add css for the active state by setting the color to black and the background color to 40% white.

Now the deals menu item is visually changed.

Then we set the a hover to a background color of 30% black.
Now on mouse hover we will get a smooth transition.

Everything is working as it should and in the correct place on the page. Now lets move on to the medium screen.



Medium Grid Areas

grid-template-areas:

"logo logo"

"links content"

"footer footer";

```
div#navBar, nav
div a.hamburgerClose {
display:none;
}
```

Jet Away
VACATIONS

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Navigation

height: auto;

text-align: right;

Home

Bundle & Save

Hotels

Cars

Flights

Cruises

Discover

Rentals

Deals

Rewards



There are two elements that were not going to need on the medium screens, the open hamburger and the close hamburger.

Please open the medium file and let's create a selector for the div navbar as well as the nav div a hamburger. Then we will display both of them as none.

As you can see they are now both gone, deleted, zapped.

Let's take the remaining stuff and push it into different locations using grids. This is so cool.

Remember that our wireframe shows two columns like this. (show pp slide)

In the medium file, create a body tag.

Next add grid template areas with logo and logo, links and content, footer and footer.

Let's take a look and you can see the header is at the top, the navigation to the left of the content, and the footer at the bottom. Notice that the gold nav color seems to fill all the way down to the footer, however, when we switch to landscape tablet, the gold color stops to soon.



Open the medium file and create a selector for the nav and set the height to auto.

Now when we look at the page, the gold color fills all the way down.

Now this next problem you cannot see unless you use the responsive option.

Notice that as we scale the page from small to large that the menu bar changes width. While this is not a problem now, if we were to remove all the content from the main tag, the menu would get really wide like this. Not good.

Lets go back to the medium file and set the grid template columns to a fixed value of 9rem and auto for the rest of the space.

Now when we scale the page, the menu stays the same width.

Lets put back our content and save our page.

Lets try one more thing to see if you like it or not. In the medium file, add a nested ul li a and set the text-align to right.

This is what it looks like. It creates a nice visual like with the nav links and content lining up on a common line. So you can decide if you like it or not.



Large Grid Areas

grid-template-areas:

"logo"

"links"

"content"

"footer footer";

Jet Away
VACATIONS

Home Bundle & Save Hotels Cars Flights Cruises Discover Rentals Deals Rewards

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Navigation

`display: flex;`

`flex-direction: row;`



Lets open the large file and inside a body selector, set the grid template areas to logo links content footer just as we saw in a previous slide.

Notice that everything is smashed into a narrow strip down the left side. THis is the 9rem column from the medium file.

Lets change the grid-template-columns to auto and that problem is removed.

Now lets take care of the navigation using flexbox.

Please create a selector for nav and a nessted selector for ul.

Set the display to flex

Set the flex direction to row. This will effect the children of the ul which are the list items and make this display horizontally.

If you look close, you can see a thin line above home and a longer line below the menu items. These are left over from the small screen styling.

lets add another nested selector for ul li a and remove all previous borders.

That worked on the bottom line but there is still a line above home.



Lets reopen the small file and see where that line is coming from.

Notice down here we have a first child reference and a border top. Please copy that line.

Return to the large file and paste it here. Change the border top to none.

Now the top line is gone.

Now lets put a line between each menu item using border-right 1px solid and 30% black. This is the result. If you inspect the home menu item you can see it touches the left edge of the page but we need it indented to match the logo and page content.

Lets add margin 0 for top and bottom and the variable gutter for the sides.

Now when we inspect, the home button is slid over. However to be consistent with the end line after rewards, we need t add a left side line to home.

Lets copy and paste the border right and change it to left and save.

Now we have symetry and our sense of design is happy again.



So what if your design calls for a centered navigation? Not a problem. Just add justify-content and centered.

Yep, it's that easy and to right align the menu? Just change it to flex-end.

Here is the result. Now it's a bit odd with everything else right aligned but at least you know how to do it.

You could use flexbox to place your social icons at the right of the screen as in this example.

Let's go ahead and upload our file and do some testing.



Testing



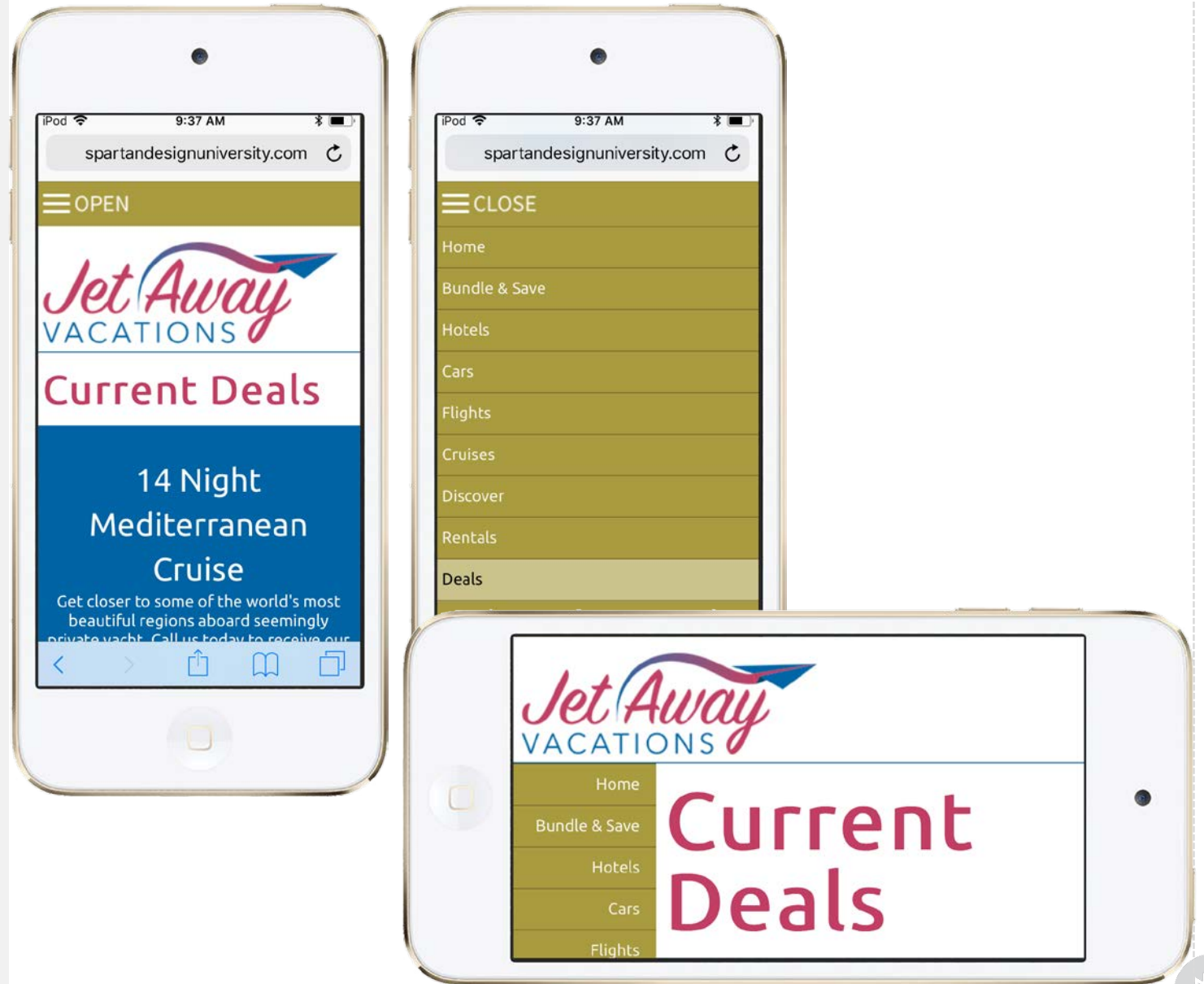
iPod Touch

CSS Width: 320px

CSS Height: 568px

Pixel Ratio: 2

Safari



iPod Touch

CSS Width: 320px

CSS Height: 568px

Pixel Ratio: 2

Chrome



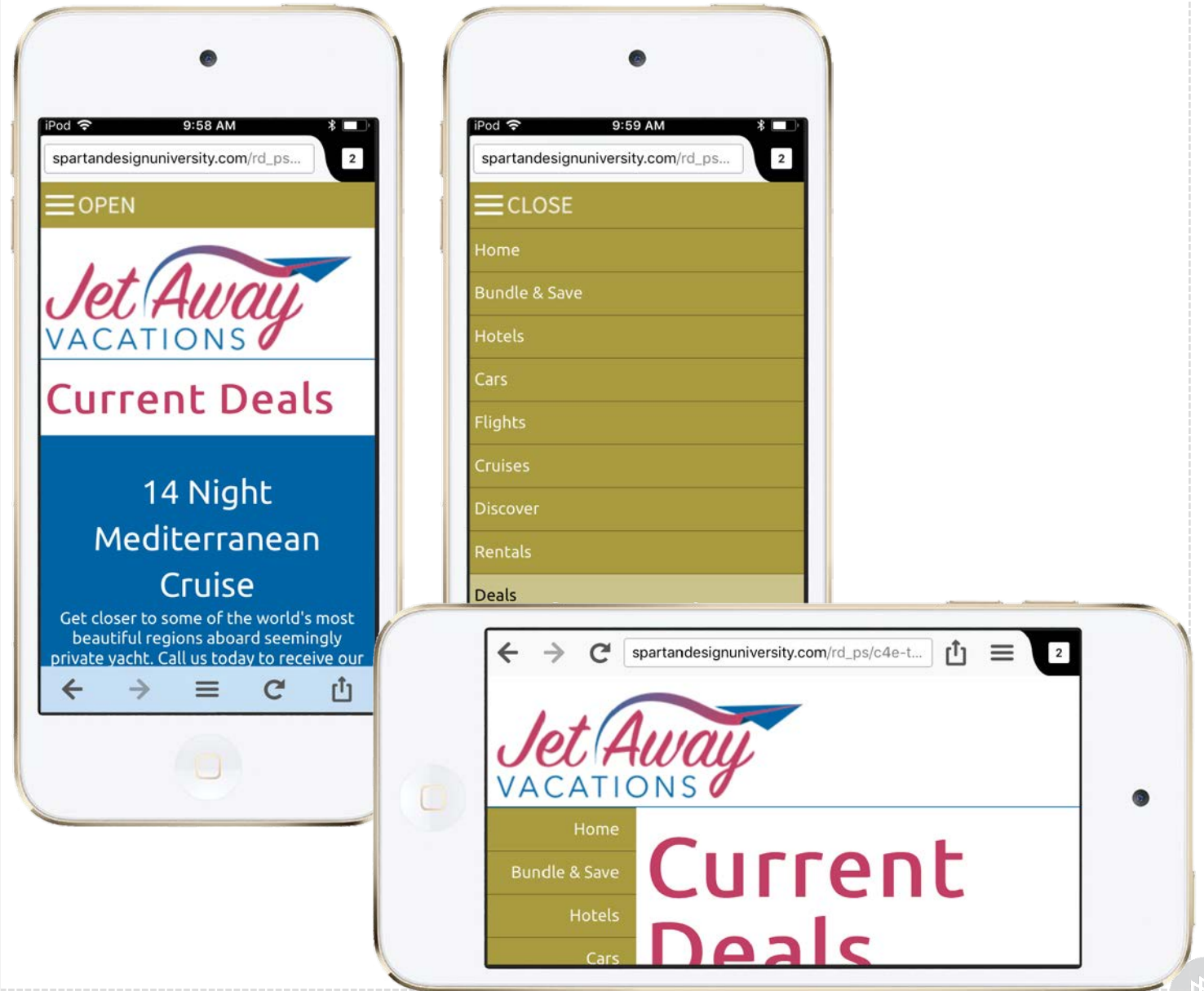
iPod Touch

CSS Width: 320px

CSS Height: 568px

Pixel Ratio: 2

Firefox

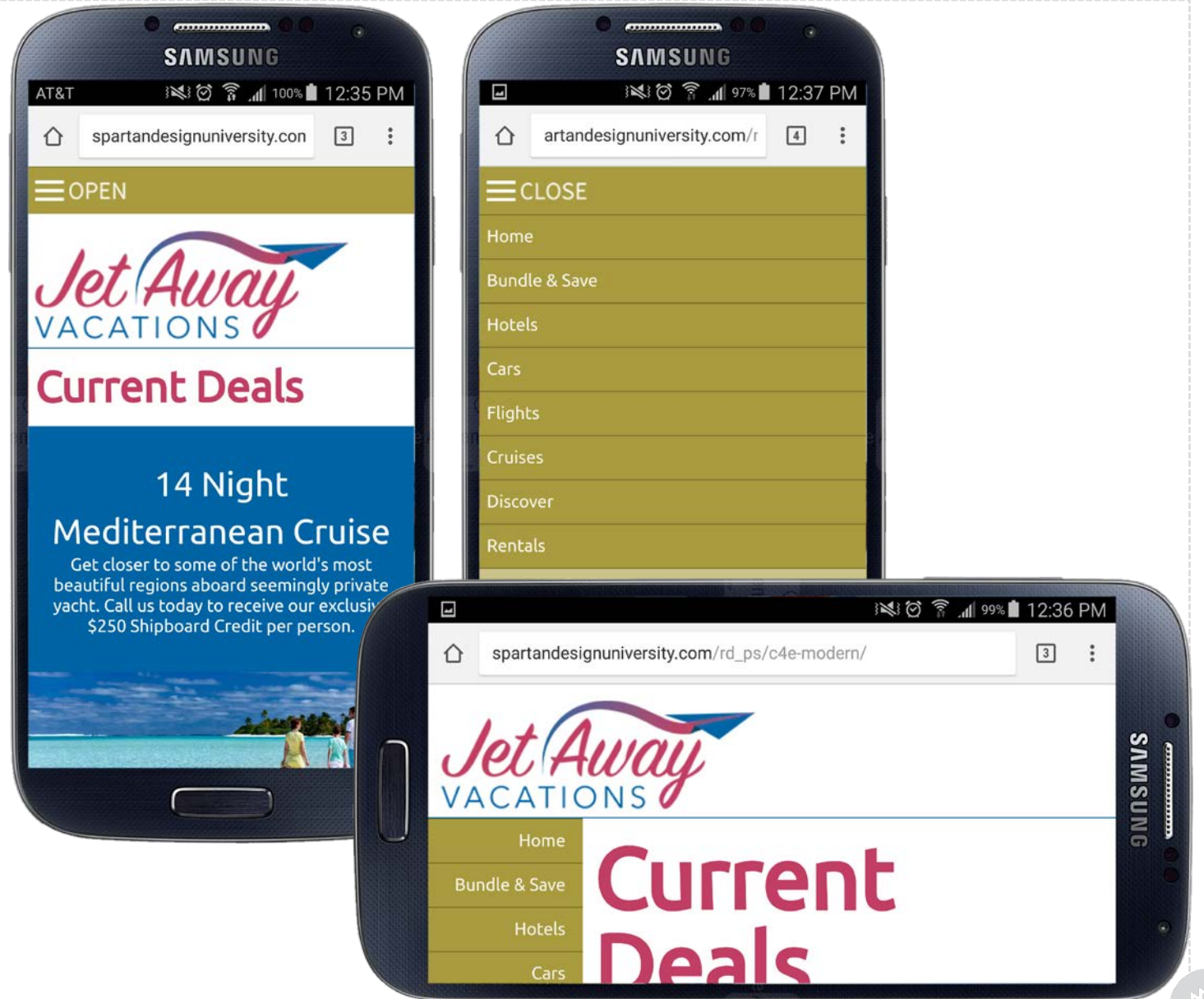


Samsung Galaxy S4

CSS Width: 360px
CSS Height: 640px

Pixel Ratio: 3

Chrome

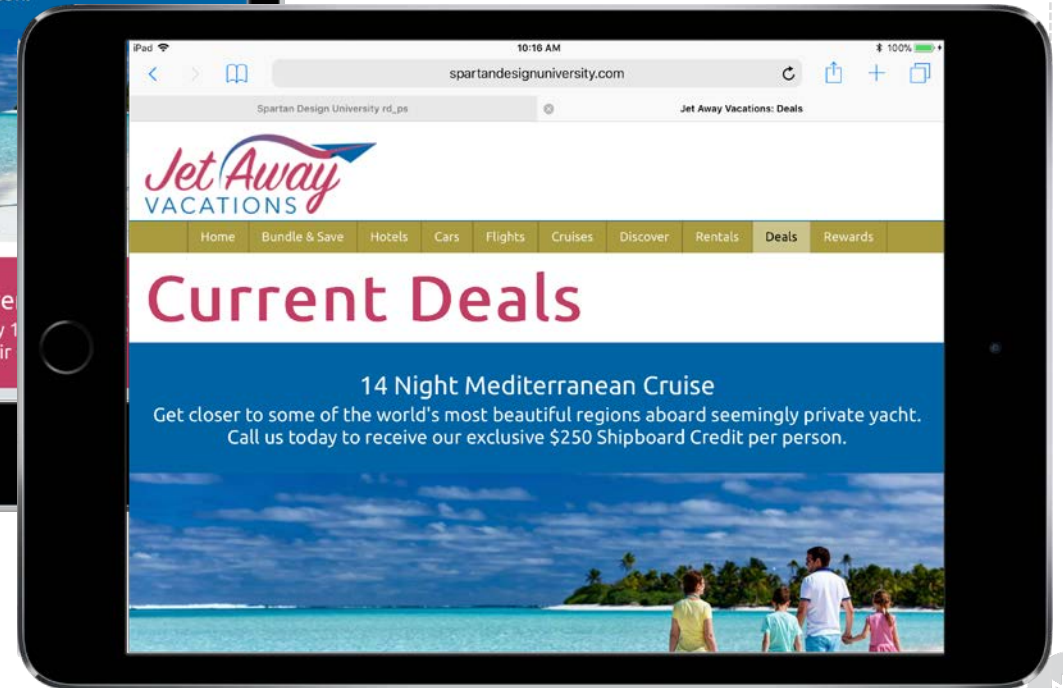
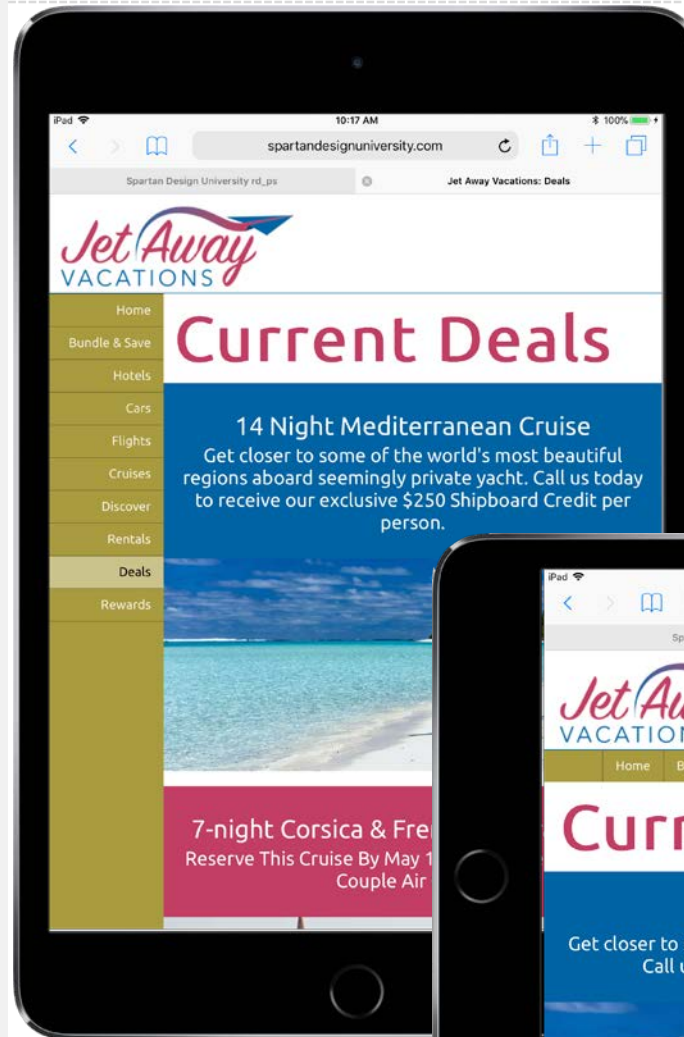


iPad Air2

CSS Width: 768px
CSS Height: 1024px

Pixel Ratio: 2

Safari

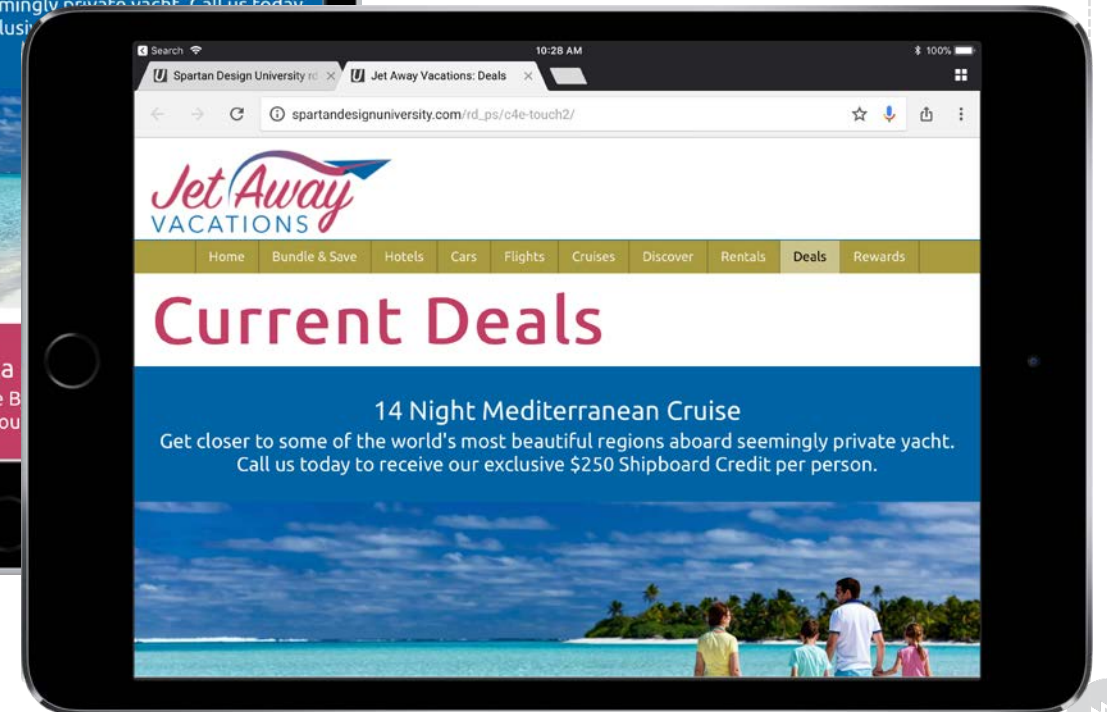
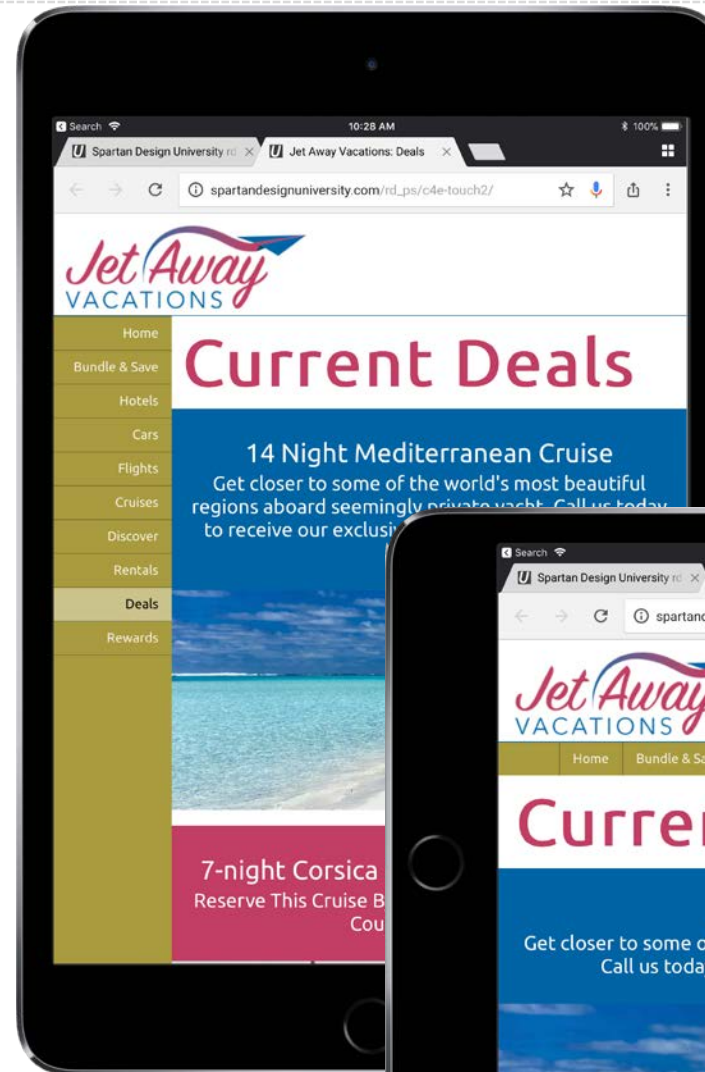


iPad Air2

CSS Width: 768px
CSS Height: 1024px

Pixel Ratio: 2

Chrome

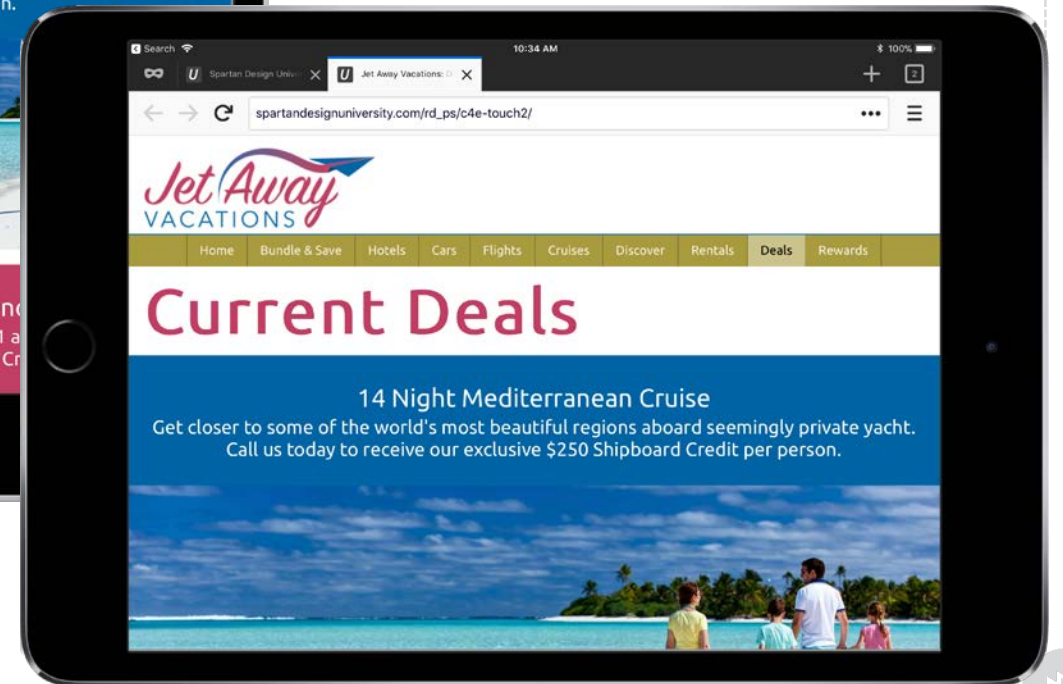
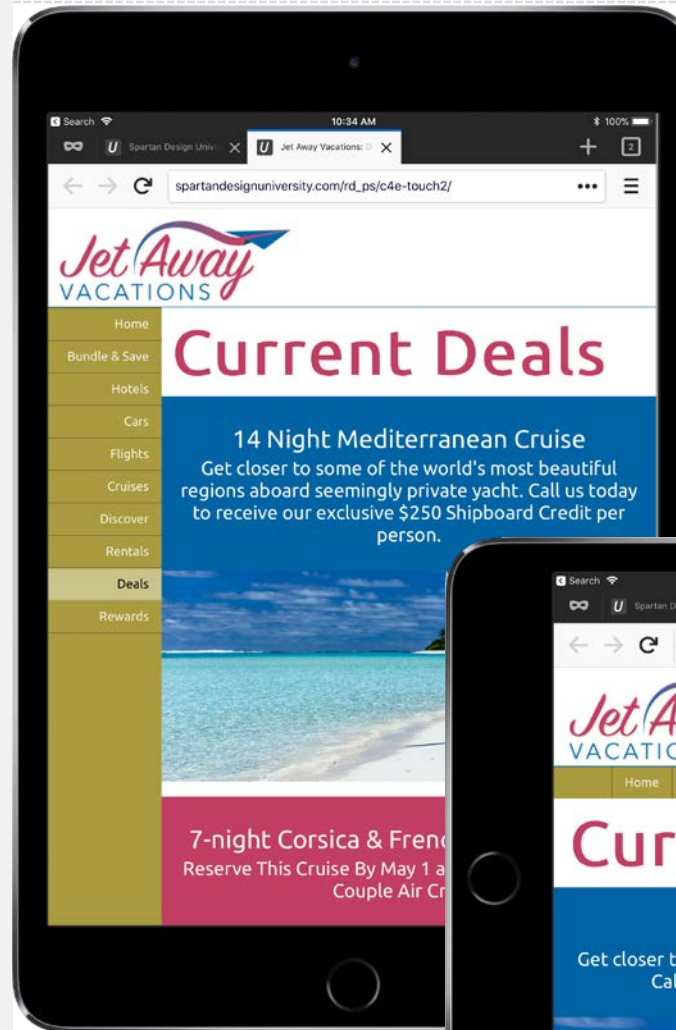


iPad Air2

CSS Width: 768px
CSS Height: 1024px

Pixel Ratio: 2

Firefox

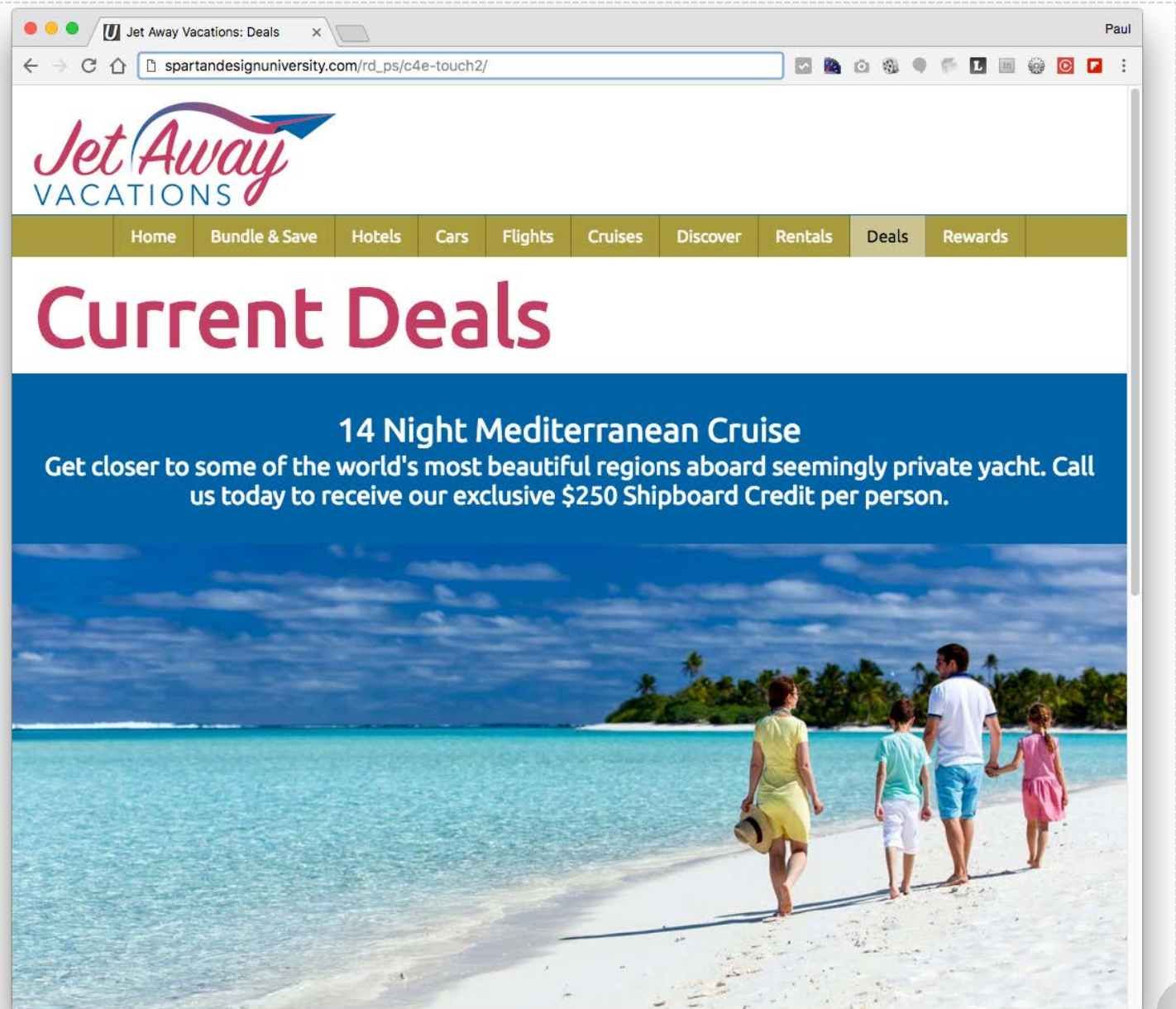


Desktop

CSS Width: 1100px
CSS Height: 900px

Pixel Ratio: 1

Chrome

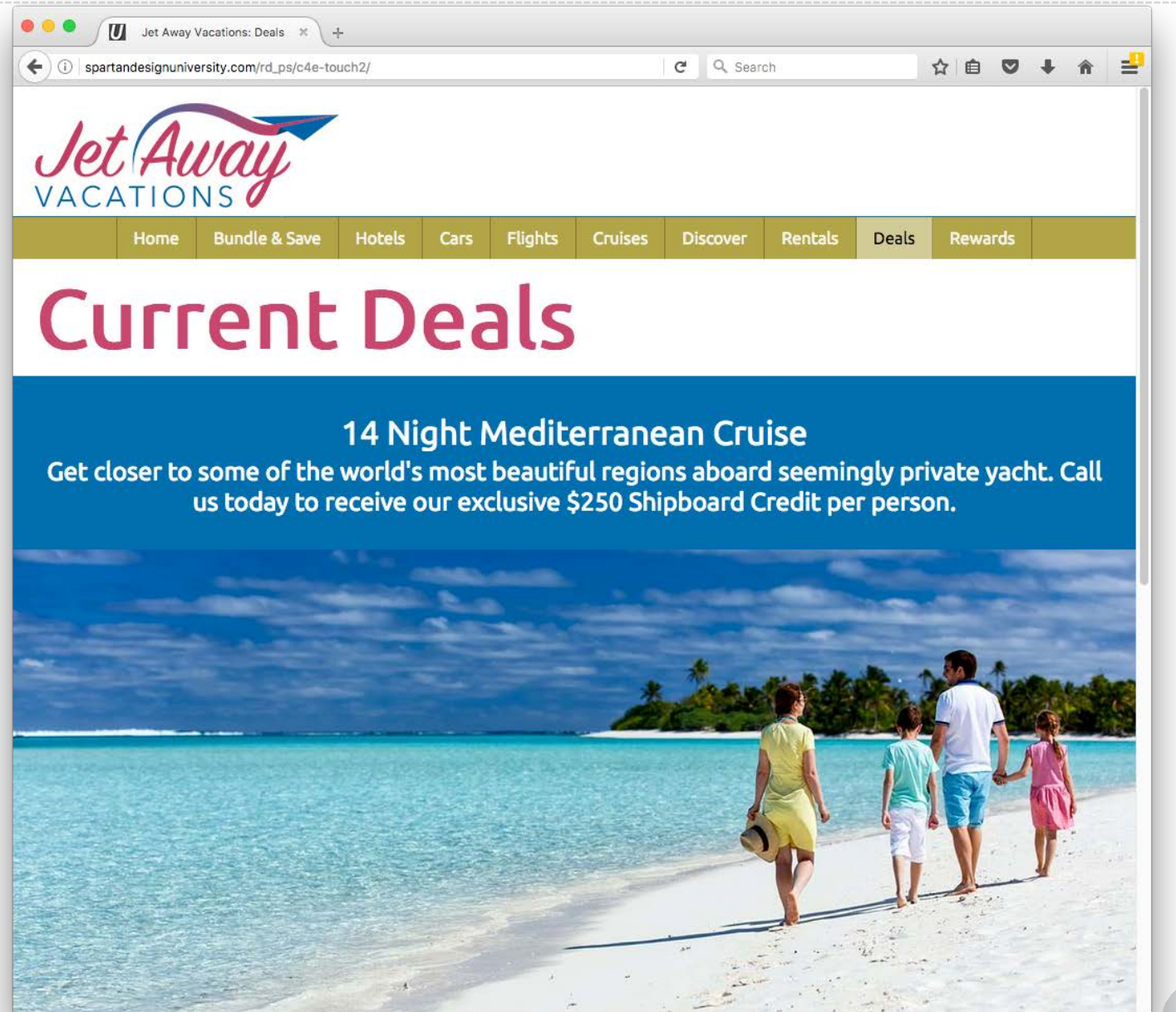


Desktop

CSS Width: 1100px
CSS Height: 900px

Pixel Ratio: 1

Firefox



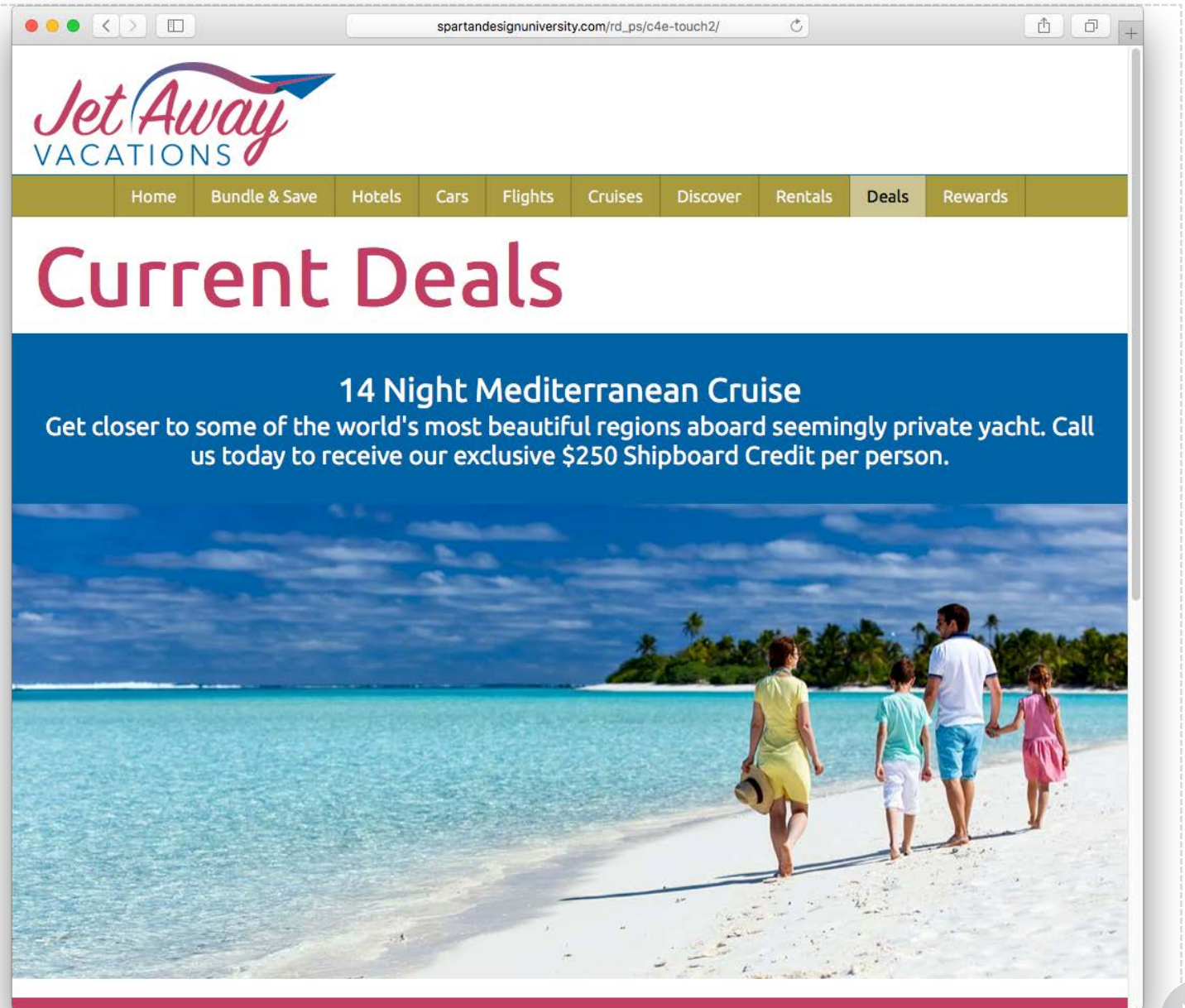
Desktop

CSS Width: 1100px

CSS Height: 900px

Pixel Ratio: 1

Safari

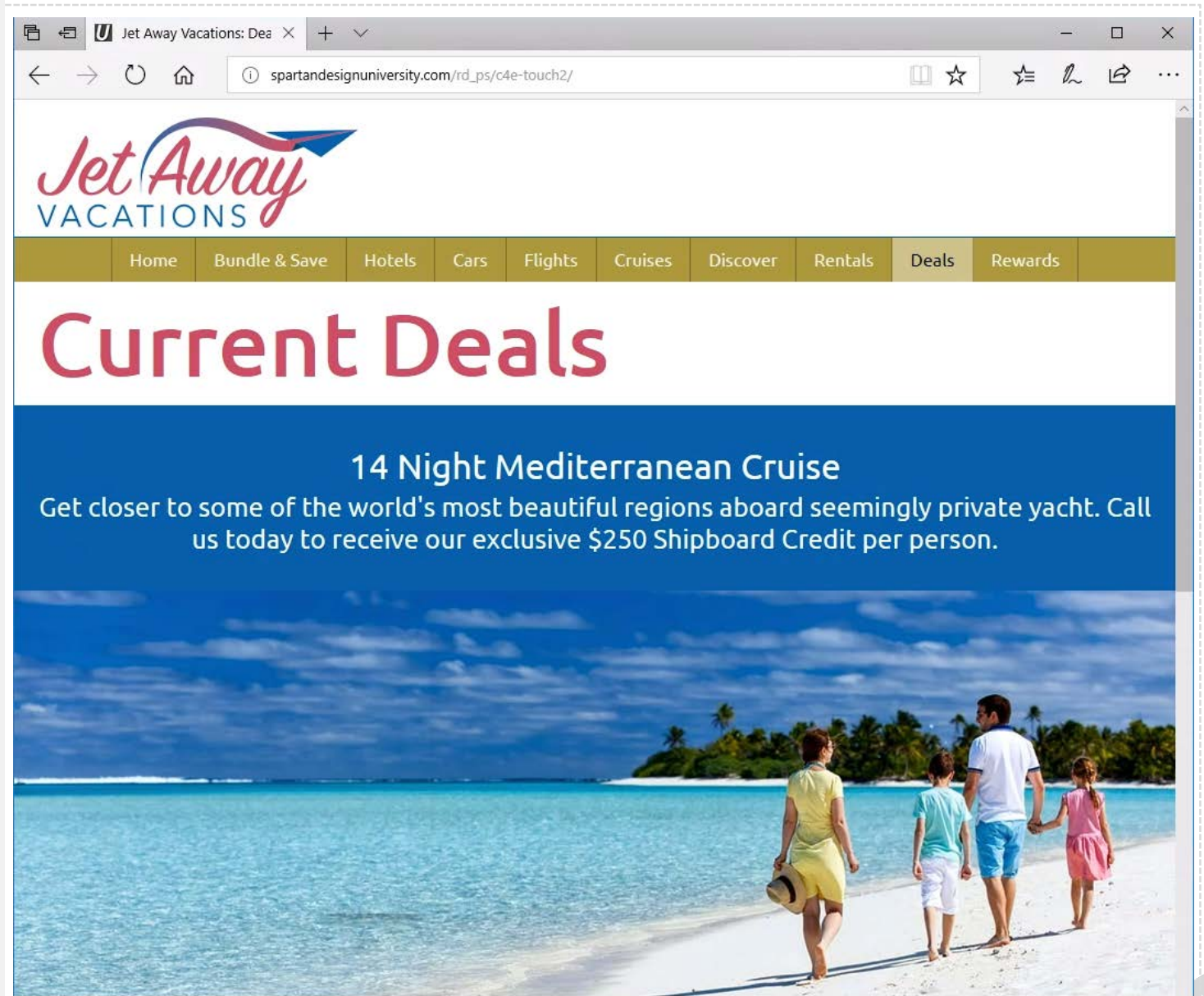


Desktop

CSS Width: 1100px
CSS Height: 900px

Pixel Ratio: 1

Edge 16



Summary



What You Will Learn

Completed Project

Build Small

Build Medium

Build Large

Testing





Introduction

Coding the Navigation

Cover Navigation

Expanding Navigation

Footer Navigation

Expand on Touch

Single Level Navigation

Icon Navigation

