

Exercise 12 Aquamaniacs Home Page Layout

Section 1. Using Header and Footer on the Home Page

You have already created an Aquamaniacs home page ("index.html") with old-style <div> elements for the header and footer. It's time to change those sections to use the new HTML5 elements.

Open your Aquamaniacs "index.html" file in Komodo Edit or your text editor and make the following changes:

Replace the <div id="Header"> element with a HTML5 <header> (and don't forget to change the closing tag as well). Also, type in the full header text, including a new tagline <div> and <h1> as shown below.

```
<!-- <div id="Header"> -->
<header>
  <div id="tagline">Creatures that Live Around
    and Under the Ocean are ...</div>
  <h1>Aquamaniacs</h1>
  <div id="Navigation">
  </div>
</header>
<!-- </div> -->
```

Replace the <div id="Footer"> element with an HTML5 <footer>, and don't forget to change the closing tag as well. Also, add in some footer copyright text as shown below.

```
<!-- <div id="Footer"> -->
<footer>
  &copy;2019. HXGNY. All Rights Reserved.
</footer>
<!-- </div> -->
```

Save your file and check the results in your web browser. You should see the new header and footer text appear.

Section 2. The Aquamaniacs Navigation Bar

1. Replace the <div id="Navigation"> element with an HTML5 <nav> (and don't forget to change the closing tag as well).

```
<!-- <div id="Navigation"> -->
<nav>
</nav>
<!-- </div> -->
```

2. Next, we want to add links to all the other pages in your site, even though they don't exist yet! It's easier to just do all of the links at one time. Because there are so many links, and you already know how to create lists of links, we have done the hard work for you.

Copy "nav_element.txt" file from flash drive Exercise12 folder to the your exercise folder which you created before. This text file contains the HTML mark-up you can copy and paste inside your <nav> element.

- Open the "nav_element.txt" file.
- Select all of the text at once and copy it to the clipboard
- Switch over to your "index.html" file in Komodo Edit and place your text cursor on a blank line inside your <nav> element
- Paste the clipboard contents into that location
- The code below shows the first part of your new <nav> element.

```
<nav>
  <ul>
    <!-- first link group -->
    <li id="home"><a href="index.html">Home</a>
  </li>
```

```

<!-- second link group -->
<li><a href="#">Big Critters</a>
  <ul>
    <li><a href="whales.html">Whales</a>
    <li><a href="dolphins.html">Dolphins</a>
    <li><a href="sharks.html">Sharks</a>
  </ul>
</li>
<!-- there are 5 total link groups;
      3 are not shown here -->
</ul>
</nav>

```

3. Save your "index.html" file and check the results in your web browser. You should see a list of hyperlinks below your header. The 5 top-level headings are "Home", "Big Critters", "Oddballs", "Multimedia", and "Animation". Clicking on these top-level links will not do anything – they are just category headings. All of the links under each heading like "Whales", "Dolphins", and "Sharks" will eventually lead to pages on your site. But we haven't created any of these pages yet, so if you try clicking on those links you'll just get a "File not Found" error.
4. Since the <nav> bar takes up a lot of space right now, let's use our positioning skills to move it to the left side and push the "MainContent" <div> to the right. Open your "SiteStyle/global.css" style sheet and add the following three rules to the bottom:

```

nav {
  float: left;
  width: 20%;
}
#MainContent {
  float: right;
  width: 70%;
  margin-left: 10px;
}
footer {
  clear: both;
  text-align:center;
}

```

5. Save and check your work. You should now see the <nav> element float to the left and the "MainContent" <div> float to the right. The <footer> should be centered at the bottom. Nav on right, footer on bottom

Section 3. Adding the Dolphins Page

Let's add a new page to our website so we can experiment with the <article> and <aside> elements. I have created a "dolphins.html" page that you will add to your Aquamaniacs website. Then you will add some elements to the page and prepare it for styling in a later activity.

1. The "dolphins.html" file is in the flash driver exercie12 folder. Move that file to your "Aquamaniacs" project folder.
2. Next, in your Komodo Edit software, open the Aquamaniacs project and look at your projects panel on the left. If "dolphins.html" is not visible, right-click within that panel and select "Refresh View".
3. Now load "dolphins.html" in your web browser. Some parts of the "dolphins.html" mark-up, such as the link to "SiteStyle/navigation.css" in the <head> area, are not being used yet. Leave those parts alone and we'll make use of them later. HTML LayoutTake a look at the "MainContent" <div> to understand the layout. This area has a <h1>, <h2>, and <p> at the top. Underneath it also has an additional paragraph, hyperlink, headline, and third paragraph.

We want to arrange this Dolphins page so the bottom content is wrapped within an `<article>`. The hyperlink will go into an `<aside>` element to the right-hand side.

When you are done you won't see much visual change, but our page will be ready for styling in the next activity!

4. Add an `<article>` tag around the last two paragraphs and headline

```
<article>
  <p>For More Information Visit:
    <a href="http://www.bluevoice.org/">Save the Dolphins</a>
  </p>
  <h1>Dolphin Dangers</h1>
  <p>You may think great big sharks and killer whales...</p>
</article>
```

5. Next, add an `<aside>` element around the top paragraph and hyperlink in the second article.

```
<article>
  <aside>
    <p>For More Information Visit:
      <a href="http://www.bluevoice.org/">Save the Dolphins</a></p>
    </aside>
  <h1>Dolphin Dangers</h1>
```

6. When you are done, save your file and re-load it in your web browser. The headlines may be a bit smaller, but otherwise you won't notice much difference yet. But you will get a chance to add some fancy styles to the articles and asides in the next section.

Section 4. Styling Articles and Asides

Your Dolphins web page has an `<article>` and an `<aside>`, but they don't look very interesting. In this activity you are going to apply a variety of styles to the article and aside elements to get a more professional look.

To begin, open your "SiteStyle/global.css" file in Komodo Edit or your text editor. Scroll down to the bottom and get ready to add some new style rules.

Styling Articles

First, add a CSS rule for the `<article>` element:

```
article {
}
```

Within this rule, add the following properties and values. You learned about all of these properties in previous classes.

- Set the font-weight to "bold"
- Set the color to "white".
- Set the clear property to "both"
- Set the margin to "40px"
- Set the padding to "20px"
- Set the background-color to "black"
- Set the background-image to "url(article-background.png)"
- Set the background-repeat to "no-repeat"
- Set the background-position to "bottom"
- Set the background-size to "cover"

You have already used most of these properties in your earlier work. The background-size property will be discussed in detail later, but you can use it now to stretch the background image to cover the entire `<article>` element.

Here's a small hint to get started:

```
article {
  font-weight: bold;
```

```
color: white;
```

Notice your background-image property refers to "article-background.png". This file is provided for you in the flash drive Exercise12 folder, but will need to be copied into your "Aquamaniacs/SiteStyle" folder. If you save your "global.css" file and reload "dolphins.html" in your web browser, you should see a big difference!

Styling Article <h1> Elements

Next we want to adjust the headlines a little bit to remove some of the extra space and ensure the headline is a white color within the article. At the end of your "global.css" file, add a small rule that will style the <h1> element within the <article> element:

```
article h1 {  
  margin: 0;  
  padding: 0;  
  color: #FFFFFF;  
}
```

When you save and reload your page, you should see the extra space above the headline disappear.

Styling Article <a> Links

You can see the default hyperlink in the second article is a dark blue or purple color that doesn't show up very well. Let's add a style so hyperlinks within articles will appear as white whether or not they have been visited yet. Add the following style rule to the bottom of your "global.css" page.

```
article a:link, article a:visited {  
  color: white;  
}
```

White hyperlink text Notice we are using group selectors, so any article <a> element that is in the default ":link" state or the ":visited" state will appear as white within the <article>. Save your changes and ensure the hyperlink changes to a white color.

Styling Asides

Last, we would like our <aside> element to show up off to the right side with a border and smaller text. Add a style rule to the bottom of your "global.css" for this element:

```
aside {  
}
```

Now add the following properties and values to your <aside> rule:

- Set the float property to "right"
- Set the width to "150px"
- Set the margin to "0 0 15px 25px"
- Set the padding to "15px"
- Set the font-size to "smaller"
- Set the border-bottom to "2px solid #717B32"
- Set the border-left to "1px solid #717B32"

When done, save your "global.css" file and reload the "dolphins.html" in your web browser.

You should see the <aside> element float off to the right with a left and bottom border and smaller text.

Any other <article> or <aside> elements you place on your Aquamaniacs website will also follow these styles as long as you link to the "global.css" file.

Bonus:

In the <nav> section, add a listing item() which upon click, will direct to your favorite site. You can name this item anything of your choice. Here is the catch though. Change the style sheet to giving this item a special look. It should have its own color, font, margin, etc. Work it out on your own. You can do it!