

Assignment #3:

Fairies

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LIB2024: Internet Applications

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March 21th, 2023

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Introduction

This assignment is specifically meant to provide some insight into our progress in understanding html and css. The goal is to build a web page with any choice of animation. We needed to include HTML and CSS files and ensure it follows SEO standards. In this I have attempted to build a page on fairies and where they live. Using the tools we have learned, tutorials and other researched codes I will attempt to build this page as required to fulfill this assignments requests. In keeping with SEO standards this time, I have included the “title” tag with a very short, to the point title. It also includes the “meta” tag for better optimization; good html codes and my headings are defined.

List of elements and tricks used

`<!DOCTYPE>` This describes the type of document.

`<html>` This defines the root of an html document.

`<meta>` Defines metadata about html document.

`<title>` Defines the title of the document.

`<head>` This expresses that the document contains metadata/information.

`<style>` This is used to define style information for a document.

`<body>` This defines the body of the document.

`<a>` This defines a hyperlink.

`<h1>` This defines html headings.

 This defines an image.

<p> This defines a paragraph.

<div> Defines images and containers.

{font} This was used to define the font size.

{ } Defines css code.

{color} Defines the color.

{text-align} Defines where the text will be placed.

{p} Defines a paragraph.

Script and explanation

I started with this code.

This Section defines the html used to start. The title “Fairies” and “The Fae” were inserted by me while copying the text but the original text contained images with mountains and landscape.

```
Fairies.html — Edited
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <link rel="stylesheet" href="./FairyStyles.css">
  <title>Image Transitions</title>
</head>

<body>
  <h1 class="title">Fairies</h1>
  <div class="images">
    <div class="image-container">
      
      
    </div>
    <div class="image-container fade">
      
    </div>
  </div>
</body>
</html>
```

The next section defines the css used to support the html. The starting effects appear here.

```
FairyStyles.css — Edited

.title {
  height: 20vh;
  display: flex;
  justify-content: center;
  align-items: center;
}

.images {
  display: flex;
  justify-content: space-around;
}

.image-container {
  height: 500px;
  width: 800px;
  position: relative;
}

.image-container img {
  height: 100%;
  width: 100%;
}

.transition-image {
  position: absolute;
  top: 0px;
  left: 0px;
  opacity: 0;
  transition: opacity 0.5s ease;
}

.transition-image:hover {
```

This section defines the effects accomplished when hovering over the images.

```
  opacity: 1;
}

.fade::after{
  content: "The Fae";
  color: 9633white;
  display: flex;
  justify-content: center;
  align-items: center;
  font-size: 20px;
  background: 9632black;
  width: 100%;
  height: 100%;
  position: absolute;
  top: 0;
  left: 0;
  opacity: 0;
  transition: opacity 0.5s ease;
}

.fade:hover::after {
  opacity: 0.5;
}
```

Editing the Code

HTML

Defining headings and the body of the code. In keeping with SEO standards, I have included the headings necessary for this line of code.

```
Fairies.html — Edited
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <link rel="stylesheet" href="./FairyStyles.css">
  <title>Fairies</title>

</head>
```

Defining the body and images in the code. This section contains the defined borders for image containers and SEO code. I have attempted to define the images used and headings.

```
<body>
  <h1 class="title">Fairy Folk</h1>
  <div class="images">
    <div class="image-container">
      
      
    </div>
    <div class="image-container fade">
      
    </div>
  </div>
```

Defining the text, I want to include. The text is contained within the coded borders.

```
<p>
Fairies are all around. In books, tree houses, fairy rings, and forests. Where fairy is, magic
reigns. fairy, also spelled faerie or faery, a mythical being of folklore and romance usually having
magic powers and dwelling on earth in close relationship with humans. It can appear as a dwarf
creature typically having green clothes and hair, living underground or in stone heaps, and
characteristically exercising magic powers to benevolent ends; as a diminutive sprite commonly in the
shape of a delicate, beautiful, ageless winged woman dressed in diaphanous white clothing, inhabiting
fairyland, but making usually well-intentioned intervention in personal human affairs; or as a tiny,
mischievous, and protective creature generally associated with a household hearth.
</p>
```

Defining the website I used for information, and closing my html code. This part contains the link to the website and link name I used at the foot of my page.

```
<a href="https://www.britannica.com/art/fairy" target="_blank">Visit britannica.com/art/fairy</a>
</body>
</html>
```

CSS

This CSS code defines the background of the page. Included is the link to the background image with its defining code and all the parameters used to contain the background efficiently. The positioning, size and height are included here. I did have a bit of difficulty with my background. This seems to be one of my issues that I'm working on sorting out.



This defines the image borders and determines how they will look. It also includes the css coding for title and text descriptions that help establish the html functioning.

```
div {
  width: 800px;
  padding: 8px;
  border: 5px solid gray;
  margin: 0;
}

h1 {text-align: center;
}

.title {
  height: 20vh;
  display: flex;
  justify-content: center;
  align-items: center;
}
```

This defines the parameter of the images. The central images I used are defined in this section of the code where I attempt to define such things as the height, width, and position of the images.

This was done while being cautious of not adding useless code.

```

.images {
  display: flex;
  justify-content: space-around;
}

.image-container {
  height: 500px;
  width: 800px;
  position: relative;
}

.image-container img {
  height: 100%;
  width: 100%;
}

```

This defines the animation effects added to the images. Using the tutorial I have referenced, I managed to get a fade-in fade-out effect. This code enables the images to transition seamlessly from one image to the next and makes visible the text on the right by establishing the opacity of the image.

```

.transition-image {
  position: absolute;
  top: 0px;
  left: 0px;
  opacity: 0;
  transition: opacity 0.5s ease;
}

.transition-image:hover {
  opacity: 1;
}

```

This is a continuation on the animation effects. This defines the text used in the animation, it's alignment, position, and size. This also defines the hover effect used to activate the animation.

```

.fade::after{
  content: "The fae are all around";
  color: black;
  display: flex;
  justify-content: center;
  align-items: center;
  font-size: 40px;
  background: white;
  width: 100%;
  height: 100%;
  position: absolute;
  top: 0;
  left: 0;
  opacity: 0;
  transition: opacity 0.5s ease;
}

.fade:hover::after {
  opacity: 0.5;
}

```


This defines the elements of the paragraph text. Included is a simple text positioned under the image/animation. This section of the code defines that text. The goal was for something simple and readable. It is in italics which skews just slightly but still visible and readable. I spent a while staring at this part.

```
p {  
  color: black;  
  font-size: 26px;  
  font-style: italic  
}
```

Conclusion

In conclusion, I used the text we have learned so far, tutorials and research websites to build this page. The code has been built following SEO standards and there was quite a bit of checking done on my part to ensure it function as it is supposed to and does not contain any useless code or errors. I am having some difficulty changing the path from “file” to “http”. Overall, it has worked quite nicely but more work can be done.

References

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