## Assignment 3 Report: HTML, CSS Animations, and My Recent Reads

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### Introduction

When first considering what animation and content this assignment’s webpage final product would contain, I initially considered adding animations to my previous assignment’s product. Ultimately, I wanted to follow along the same lines and include content that would showcase literacy and some of my favourite authors and books. I therefore decided to create and then animate a small collection of images that represented my reading history, and what I hoped to read going forward.

The result of this idea was a simple webpage which featured very little text, but rather focused on animations intended to further emphasize the visual elements of the webpage. The intent of the animations was to show that, although there is very little interactivity on the webpage itself, there are small indications of movement that would draw viewers’ attention to certain parts of the webpage while not overwhelming them.

### List of Elements and Tricks Used

*The following tags are in order of use in the HTML file. Only tags not previously used are fully explained.*

**<html lang=“en”>**

**<link href=[…]>**

This tag is used to link the HTML file to its corresponding CSS file in the same folder. This tag also instructs the browser on how to read the file by informing it on which type of script the CSS file is.

**<meta charset=“utf-8”>**

**<meta name="description" content="[…]”>**

**<meta name="keywords" content="[…]”>**

The previous three tags are used primarily in order to adhere to relevant SEO standards by assigning a description and relevant keyword tags to the webpage.

**<body style=“color:white;”>**

**<h1 class=“[…]”>**

**<!—photos included[…]-->**

**<div class=”[…]”>**

**<img class=”[…]”>**

*The following tags are in order of use in the CSS file.*

**body {**

**.head {**

**.recent\_reads {**

**.recent\_reads img {**

**/\*used to[…]\*/**

**.recent\_reads :hover {**

This tag directs the browser to implement the following changes to content under the recent\_reads class only while the cursor hovers on the content.

**.head2 {**

.**next\_reads {**

**.next\_reads img {**

**.next\_reads :hover {**

### Script Blocks and Comments

*The screencapture on the left is from the HTML script. The screencapture on the right is from the corresponding section of the CSS script.*

Text

Description automatically generated

This block of script includes all of the opening tags required for the browser to interpret both the HTML and CSS files. For this assignment, these tags include a description of the content of the page and several tags that indicate the theme of the webpage, both of which contribute to the overall adherence to SEO Standards, to be further explained in the SEO Standards section of this report.

Text

Description automatically generatedText

Description automatically generated

These two sections of the script are the main bulk of the content on this page. In the HTML file, found on the left, the code creates a heading to introduce the content, “My Recent Reads,” found in this section. It then adds the images that will be included in this section, which are the book covers from each of my six most recent books read. Each image is formatted according to the original size of the image and then given an alternate description, found within the alt=”[…]” section of the tag.

In this portion of the CSS file, found within the image on the right, formatting is applied to both the heading and the images that follow. While many of the changes made are standard, such as the font size, font colour, and margins applied, there are a few that are worth noting as they create the main attraction of the webpage – the animations. The elements found on lines 33-40 are the animations to be applied when the user hovers over each image. Lines 37-38 create a sort of growing effect, making sure that the image being interacted with grows larger than the others and then shrinks again when it is no longer the focus for the user (Coyier, 2014).

Lines 28-40 of the HTML file and lines 43-76 of the CSS file are used for the same purpose, but with a different set of images. The animations and formatting are the same for both image galleries and both sets of code.

### SEO Standards

In order to ensure that I was complying with the relevant SEO Standards when writing this script, I referenced Bruce Clay, Inc.’s article, titled “Search engine optimization best practices,” which outlined both the importance of SEO Standards when creating a webpage and the ways in which these standards are most commonly met by developers. According to Bruce Clay Inc., webpages should include keywords which are “relevant, applicable and clearly associated with page body content” (Bruce Clay Inc., 2022). This standard is met through line 9 of the HTML script, which includes keywords for the content included on my webpage.

I also referenced the same article as in Assignment 2, Aleh Barysevich’s “8 of the Most Important HTML Tags for SEO” in order to be sure that all of the SEO standards that applied to my webpage were met through the script I had written. As with the second assignment, I made sure to include a title tag that would encompass all of the content on the webpage, appropriately numbered heading tags as used, and alternate descriptions of all the images used (Barysevich, 2020).

### Conclusion

In conclusion, the minimal animations used to add a new interactive depth to this webpage were fairly simple to implement. By adding an interactive layer to the content of this page, I hoped to create a sense of focus on certain elements without creating a straining or distracting amount of movement on the page.

When checking both CSS and HTML files through their respective checkers, neither code returned any major errors, and are connected to each other without any compromise to the display of the webpage.

### References

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### Content Used on Webpage

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