

Discussion Directions

Please refer to the general homework directions in the course and from unit 1!

Solution file: [DefinitiveGuideHTML5.zip](#)

Homework

Learning Outcomes

1. Create a web page with DHTML and new HTML 5 elements
2. Create a web page with animation using JavaScript and Canvas

Part 1

Learning Outcome

1. Create a web page with DHTML and new HTML 5 elements

Directions

1. Open your project. Create a web page named **favorite.html**. This page creates a basic image **mouseover effect** or an **image swap**. You can duplicate the about page and remove the content in the main part of the page. Leave the menu's footers and other basic items. You just want to change the content in this page.
 - a. Find **images** from your favorite book in **the Gutenberg Project** web site.
 - b. Create a **hyperlinked image** in the page that when you place the *mouse over the image* the other image pops out in the page. You will need to write some JavaScript. In the HTML element, write code to call the JavaScript function when the user mouses over the image link. Place the JavaScript code inside **script** tags within the head section. Make sure to document your JavaScript code!



Part 1 Submissions

1. Place 2 screenshots of the **html** page in the Part 1 section of the Word document. (One screen shot should show the original picture and the second shows the swapped picture.)
2. Place a screen shot or copy of the **JavaScript** and the **HTML code** for the **html** page in the Part 1 section of the Word document.

Part 2

Learning Outcome

3. Create a web page with animation using JavaScript and Canvas

Directions

1. Review the following sites:
 - o Waterfall - <http://www.effectgames.com/demos/canvascycle/> ↗
(<http://www.effectgames.com/demos/canvascycle/>)
 - o HTML Tutorials <http://www.html5canvastutorials.com/tutorials/html5-canvas-element/> ↗
(<http://www.html5canvastutorials.com/tutorials/html5-canvas-element/>)



- o Canvas <http://www.html5canvastutorials.com/> (http://www.html5canvastutorials.com/)
- o Dive Into HTML <http://diveintohtml5.info/canvas.html> (http://diveintohtml5.info/canvas.html)

1. Create a web page named **excerpt.html** by copying the favorite page and removing the content in the main content area. Open the **excerpt.html** page in your editor.
 - a. Create an image in the canvas element that draws an image your favorite **book** from the Gutenberg project site, **with a direct quote from the book**.
 - b. **You must draw and color the book cover and write out the excerpt in code!**
2. Open the **favorite.html** page
 - a. Create an **animated** image in the canvas element that **displays an animated book or book moving and dropping off a desk**. You may use an image for the desk or the book, **but not both!** You must draw and **color the book or the desk in code!**
 - b. Make sure to document your JavaScript code!

Part 2 Submissions

1. Place a screenshot of the **html** page in the Part 2 section of the Word document.
2. Place a copy of the code for the **html** page in the Part 2 section of the Word document
3. Place 2 screenshots of the **html** page in the Part 2 section of the Word document. (One should show the book on the table, and the other showing the book falling off the table.)
4. Place a copy of the code for the **html** page in the Part 2 section of the Word document

***** **Don't forget to submit the Word document with the entire project folder in a zip file** *****

Unit 6: Homework				
Criteria	Ratings			Pts
Part 1: Create a web page with DHTML and new HTML 5 elements	The DHTML effect worked. The MouseOver effect showed the alternate image. Excerpt.html 50.0 pts	The code was correct but the images were not of the right subject matter or the text was not displayed. 35.0 pts	The code was partially incorrect, not the right subject or the text was not displayed 30.0 pts	50.0 pts
Part 2: Create a web page with animation using JavaScript and Canvas.	The image loaded in the browser with the text message and custom image. The animated image loaded and worked. Favorite.html Excerpt.html 50.0 pts	The image loaded in the browser with the text message and custom image. The animated image did not work 35.0 pts	The image or animated image did not work 30.0 pts	50.0 pts
				Total Points: 100.0