<u>**COSC 360 – Web Programming**</u>
<u>**Lab 1 – Intro to HTML**</u>

Instructions:

1. **Using the invitation link for lab 1, clone the repository for Lab 1 to your local machine.** See the provided tutorials for details on this. This is an activity that you will be doing each lab, so please take the time to become comfortable with the git workflow. While git can be used for complex operations, you will only be using some of the basic functionality for lab assignments.
2. Edit the file called Lab1.html with the appropriate doctype for HTML5. Set the title attribute to be "COSC 360 – Lab 1. When you cloned the lab 1 repository, **the image files are relative to your html file**. **When you submit, you will only submit your html file so it is important to make sure that the files are correctly referenced using relative addressing.**
3. Start by adding the text with the appropriate tags. For item 1 and item 2 (on website layout image), use h1 and h2 respectively. For the navigation links (item 3), use the appropriate list enclosed in the nav tag as this is the main navigation for the page. These three items should be in the header for the document. **Description** should link to the description section, **Related Photos** should link to the related photos section and **Reviews** should link to the reviews section. When the user clicks on the links (item 3), the browser should link (change browser focus) to the respective sections.
4. Following the header, **Description** should be an h3 item with the text up to and including the **Share** image icons being a section. Complete items 4 through 7. The large image is located at:

    Image: images/eiskristalle-1938842_640.jpg

    and the image should link to the original when clicked. The icon images for the social media icons are located in images/social/. The information for each of the icons required is as follows. Ensure to include the correct alternative text for each icon. This images are not required to be hyperlinks.

Email:	email_16.png	alt text: "Email this to someone"
RSS:	rss_16.png	alt text: "Syndicated content"
Twitter:	twitter_16.png	alt text: "Share this on Twitter"
Facebook:	facebook_16.png	alt text: "Share this on Facebook" />
Flickr	flickr_16.png	alt text: "See this on Flickr"

5. The images in item 8 need to be in a separate section with the title **Related Photos** tagged as an h3 item. Each image has a height of 100 pixels. Place all three images in a single div element. The images are located as follows (starting on left):

    Image1:   images/frost-490807_640.jpg

Image2:   images/ice-crystal-64157_640.jpg
Image3:   images/hoarfrost-639980_640.jpg

For each image, use the same alt text of "**related photo**". The images are hyperlinks that should link to the larger local image when clicked.

6. The **Reviews** should be in their own section and be tagged as h3 item. Complete item 9 as noted.   Place each individual review in a div element.
7. Item 10 should be in footer for the page with hyperlinks linking to #.
8. Test your page by loading lab1.html into your browser and see if it looks like the image presented for the page layout. If not, resolve any outstanding issues. While your HTML code may not be exactly the same in terms of sections, etc, but the resulting page should visually appear the same with correctly functioning links.
9. Ensure that your links are working correctly to the related photos as well as to the different page sections.
10. **Validate your html using https://validator.w3.org**. Use the **validate by direct input** and copy in your HTML code. Your code should validate without any errors. If there are issues with the code, resolve them. This may require some exploration of different tag and associated attributes. You may have warnings regarding headings but these can be ignored (but please read and understand).

The Page Layout:

Your HTML page should appear as follows. Notes regarding specific elements are on the left hand side.

1. H1 ———▶

2. H2 ———▶

3. Link to relative photo headings below ———▶

4. Link to www.pixabay.com ———▶

5. image is images/eiskristalle-1938842_640.jpg When image is selected, it should link to source image ———▶

6. Figure element ———▶

7. Links not required ———▶

8. Images should link to larger image. Height of each image is 100 px ———▶

9. Reviews in a section with each review in a div. Times needs to be in Time element. ———▶

10. Link to # ———▶

COSC 360 - Lab 1

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file:///Volumes/External/code/week%201/Lab1_solutions.html#

TikZ   https://www.freshw...   »   Other Bookmarks

COSC 360

Lab 1 - HTML

- Description
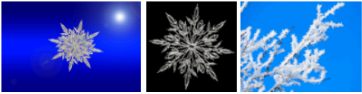- Related Photos
- Reviews

Description

Photo by Myriams-Fotos

This photo of ice crystals on a branch. The image is from Pixabay and was taken with a Canon EOS 650D camera.

Ice crystals on a branch

Share: ✉ 🔲 🔲 🔲 🔲

Related Photos

Reviews

By Bob on January 11, 2017

Those are some nice ice photos.

By Alice on October 1, 2016

Beautiful photos.

Home | Browse | Search

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