

**COSC 360 - Web Programming**  
**Lab 1 - Introduction to HTML**

This is an individual assignment. This assignment is marked out of 20 points.

**Due Date: January 31, 2021.**

**Instructions:**

1. **Create a GitHub account on github.com for yourself.** You can upload your code to GitHub and publish it on your GitHub pages, so please take 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. Git/GitHub will be intensively used in your team project. You can self-learn Git/GitHub starting from the links I provided in the class. TAs will help you if you have any problems.
2. Create the file called Lab1.html. Set the title attribute to be "COSC 360 - Lab 1". **The image files provided 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. The 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"

- 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.

- 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.
- Item 10 should be in footer for the page with hyperlinks linking to #.
- 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.
- Ensure that your links are working correctly to the related photos as well as to the different page sections.
- 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).

Review the evaluation criteria to ensure you have addressed all points required for the page.

#### Evaluation Criteria:

1 point	Correct HTML5 document and structure
5 points	Visual layout
1 point	External hyperlink (pixabay.com)
4 points	Menu navigation (nav tags + function)
4 points	Image hyperlinks
1 point	alt text for related photos
2 points	div placements (reviews)
1 point	time elements
1 point	Validation (no errors)s

#### 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](http://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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# COSC 360


## Lab 1 - HTML

- [Description](#)
- [Related Photos](#)
- [Reviews](#)

**Description**

Photo by Myriams-Fotos

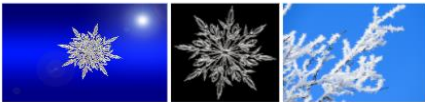
This photo of ice crystals on a branch. The image is from [Pixabay](http://www.pixabay.com) and was taken with a Canon EOS 650D camera.



*Ice crystals on a branch*

Share: [Email](#) [Print](#) [Facebook](#) [Twitter](#) [Reddit](#)

**Related Photos**



**Reviews**

By Bob on January 11, 2017  
Those are some nice ice photos.

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By Alice on October 1, 2016  
Beautiful photos.

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