

## HTML Practice 2

### Validation Practice

**Introduction:** The coding standard for this course this semester is HTML 5. We will be using a validation service provided by the World Wide Web Consortium (W3C).

The URL for this validator is: [validator.w3.org](http://validator.w3.org). You will need to validate every page of every project this semester.

If you need additional help, please refer to the screencasts.

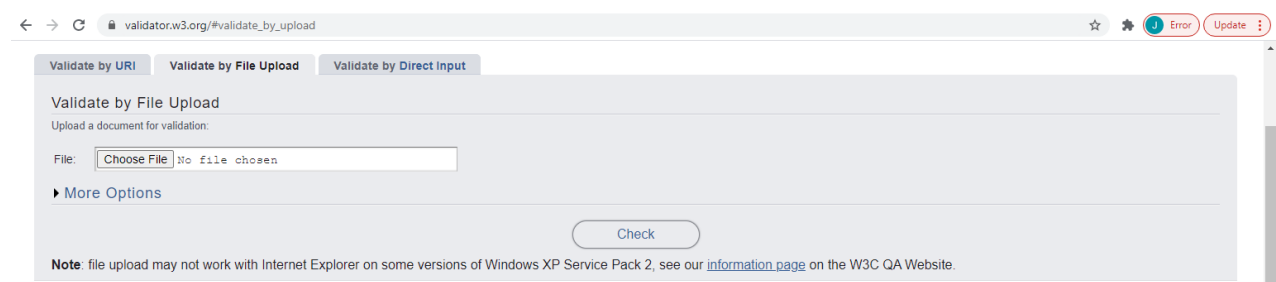
Step 1. Download theHTML2ZippedFiles zipped folder to your desktop and then Unzip (Extract) the folder.

Step 2. Rename the extracted folder HTML2. Remember, we will always have a folder for our practices or projects that will act as the web site folder. All our web pages and resource files will always be nested inside a web site folder.

Step 3. Open the cactus.html page in the text editor of your choice. This page was created beginning with the start.html document.  
Notice the <!DOCTYPE> is html, which is the standard for HTML 5. The w3C validator will use this standard to evaluate this document.

Step 4. Open a web browser like Chrome or Firefox. Enter the following URL:  
<http://validator.w3.org> .

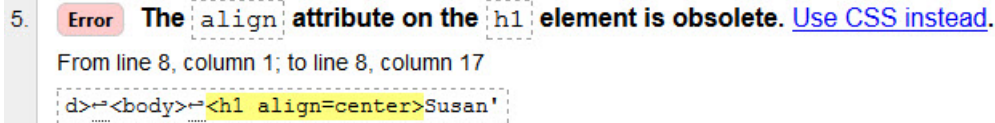
Note: There is no www in this URL.



Step 5. Choose the Validate by File Upload tab; then click on Choose File to upload your cactus.html file.

Search your computer until you find the cactus.html document you saved. Click the Open button. Your file is now ready to be checked by the validator. Click the Check button. There should be several validation errors in this file.

Step 6. Fix each error in the cactus.html document. If the validator mentions that an attribute on an element is obsolete, simply delete the attribute. In the example below, you would delete align=center to fix the validation error.



Save your cactus.html file after making these changes.

- Step 7. Go back to the W3C validator. Click on the Back button. Find and upload the cactus.html again. Click on the Check button. Hopefully, you have fixed all the validation errors in the file.

The message should show the following: **Document checking completed. No errors or warnings to show.**

## Uploading Practice

**Introduction:** You will be logging into GitHub to upload your practice folder. You will follow this same process when you upload your Project folders for grading.

- Step 1. Go to GitHub Desktop and Sign in to Your GitHub account
- Step 2. Navigate to your class repository
- Step 3. Upload your project to GitHub Desktop
- Step 4. Commit On GitHub Desktop
- Step 5. Publish (Push) on GitHub Desktop
- Step 6. Upload on GitHub (check on GitHub to make sure it was uploaded).
- Step 7. View your cactus.html page in the web browser:

<https://username.github.io/INFO2025/>

For extra help visit: <https://docs.github.com/en/repositories/working-with-files/managing-files/adding-a-file-to-a-repository> or <https://www.geeksforgeeks.org/how-to-upload-a-project-through-github-desktop-on-github/>

**Conclusion:** Validation is the process of ensuring that you have written “well-formed” code. This code will act predictably in most browsers. The HTML 5 standard is a good step toward the XML standard. In the future, all web pages are predicted to be XML pages.

You must use an FTP client application to upload folders and files to your directory on the course web server. Use Internet Explorer, Firefox or another browser and the HTTP protocol to view your files once you have uploaded them. You should always check your projects once they are uploaded to make sure your links and graphics work correctly and that your pages validate!