R·I·T

Information Sciences and Technologies
Golisano College of Computing and Information Sciences

hw 03b: Linking to Pages and Validation

Part I – Linking to pages on the site.

1. Use FileZilla to create a new folder named **pages** inside of the **140** folder (which is, in turn, inside **Sites**).

2. On some storage media (flash drive or hard drive), recreate the directory structure that was previously created on Serenity, starting with **Sites** on down. Use an editor to create a new HTML page called **favorites.html** and save it into the **pages** directory.

    Remember the two types of file paths; **relative** file paths, and **absolute** file paths.

    Creating a hypertext link to **http://serenity.ist.rit.edu/~abc1234** uses an absolute path, an explicit expression of the HTTP protocol. When creating hypertext links to files that are located on the same web server, the http protocol is not needed in the file path.

    Example: My Resume

    This links to file **resume.html** that is located in the **files** directory. This example assumes that the web page that contains this link is located in the same folder as the **files** folder.

3. Add to **favorites.html** the following:
    a. <title> for the page with content: "Name's Favorites"
    b. <h1> for the page with content: "A few of my favorite things"
    c. **ordered list** of 5 favorite foods
    d. **unordered list** of 5 favorite movies or bands
    e. hypertext link to the home page created last class with clickable text: "My Home page"
    f. hypertext link to a page (to be created) named **other.html;** make the clickable text "Some Other Page." (Note: **other.html** will be located in the **140** folder.)

> Try this!   Test the link to the home page. Does it work? Remember that from the perspective of favorites.html, index.html (the home page) is located "1 level up." Remember the double-dot (..) trick for moving up levels in a directory?

4. Include in **index.html** a link to the **favorites.html** page. Make the clickable text "My Favorites." Test it. Does it work? If not, try to remember what to do to "move down" into sub-folders when creating hyperlinks.
5. Create a new HTML page named **other.html** and place it in the **140** folder. Put a hypertext link on it to your **favorites.html** page.

6. Now test the link from **other.html** to **favorites.html** and the link from **favorites.html** back to **other.html.** Do they work? If not, remember the "side to side" trick on addressing files. Keep trying until the links work in both directions.

Part II - Post all these of these new and updated files to Serenity.

7. Post the updated files to your Kelvin account, in the proper folders. Be sure to test it using the browser address:
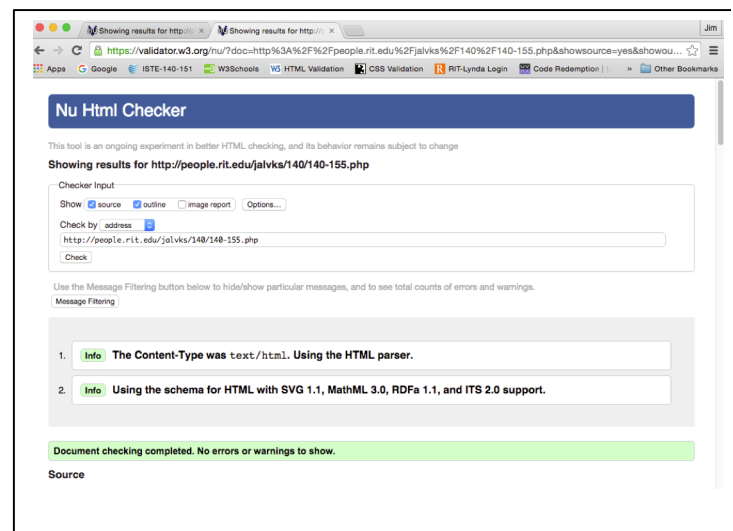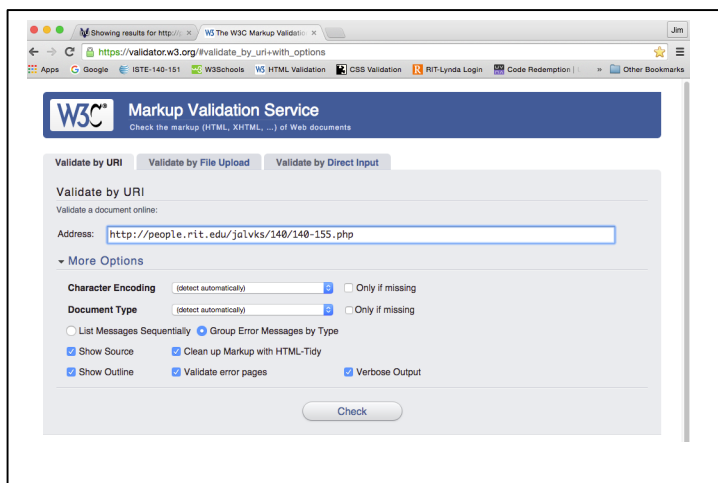
    http://serenity.ist.rit.edu/~abc1234/pages

8. Don't forget to change the file permissions to **644**

Part III – Validation of HTML Code.
A class demonstration of the W3C Markup Validation Service was shown in class. The site can be found at http://validator.w3.org. The site has three modes of operation:
- Validate by URI
- Validate by File Upload
- Validate by Direct Input (cut 'n paste)

Most of the work done in this course will involve validating by URI. Assignments are submitted to drop boxes. Students must prove that HTML5-base web pages validate without errors (warnings are allowed).   Along with any web assignment submitted to a dropbox, included in the comment area must be a URI to the assignment on Serenity that was used to obtain a successful validator result.

Part IV – Assignment Submission
Post a copy of the URL (step 7 aobve) in the comment area of the dropbox. The graded rubric will be submitted by the TA to the *Evaluation* section of the dropbox.

Category	Weight	Score
Part I		
www/140/pages created w/ 755 permission	1	0
favorites.html created in **pages** with permissions set to 644	1	0
favorites.html		
"Names favorites" in <title> block is correct	1	0
"A few of my favorite things" in <h1> block is OK	1	0
Ordered list of five favorite foods is OK	1	0
Unordered list of five favorite movies or bands	1	0
Hypertext link "My Home Page" links to home page	1	0
Hypertext link to **other.html** in **140** folder	1	0
Part II Post		
All files posted to Serenity correctly	1	0
Part III Validation		
favorites.html URI passes W3C validation	1	0
TOTAL:	**10**	**0**