IST 263 Project Milestone 7 – Completed Site

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Description:
My idea for the website project is to create a "Guide to Syracuse University" from the perspective of a senior about to start my final year. This website would allow me to reflect on my time in college, from navigating my two majors to taking advantage of the incredible resources that Syracuse has to offer. It would include general information about the school, a reflection on my own experience, tips and resources for new students, and my recommendations around campus and the city.

Paste the urls of the three pages you want me to grade below along with their validation links:

Page 1:	https://iharouch.github.io/ist263/project7/index.html
Page 1 Validation:	https://validator.w3.org/nu/?doc=https%3A%2F%2Fiharouch.github.io%2Fist263%2Fproject7%2Findex.html
Page 2:	https://iharouch.github.io/ist263/project7/advice.html
Page 2 Validation:	https://validator.w3.org/nu/?doc=https%3A%2F%2Fiharouch.github.io%2Fist263%2Fproject7%2Fadvice.html
Page 3:	https://iharouch.github.io/ist263/project7/recommendations.html
Page 3 Validation:	https://validator.w3.org/nu/?doc=https%3A%2F%2Fiharouch.github.io%2Fist263%2Fproject7%2Frecommendations.html

Learn Something New:

For the something new part of my website, I created an image carousel on the home page of my website. I added it because I thought that it would be an interesting addition to my website to show pictures of who I am since the site is about my experience. To build this feature, I used a combination of HTML, CSS, and JavaScript code from W3Schools to incorporate the carousel into my code and had to edit the code to fit my variables and tags. I also decided to add my own twist by changing the position circles at the bottom to the orange emoji to fit the theme of the site. It took a lot of time and effort to make the image gallery work as intended, especially when some images were portrait versus landscape. I had issues with image size, the placement of the arrows, and how it would look in mobile view, so this took a lot of research and trial and error to finally have it work properly.

This is the website that I used: https://www.w3schools.com/howto/howto_js_slideshow.asp

Self-Assessment:
Examine the list below. Does your website meet all the requirements listed? If not, explain where you had trouble. You'll get more points if you point out the errors and discuss them then if I find them and you haven't detailed them below.

Example: I had trouble with #14 making some of the items on my web page responsive. The image on my about page runs off the side of the screen causing left to right scrolling. I attempted to correct this by doing _____ and _____.

For the HTML and CSS parts of the requirements list, I believe that I meet all the requirements. For the images and layout section, I had trouble with citing some of the images used because the citation would mess with the sizing of my columns and images. After doing some research, I found that a common practice is putting image credits in the footer, so I decided to go with that. In addition, I always have issues with Photoshop as it never allows me to edit and export images properly. Therefore, my images are bigger than the suggested size in the requirements, but the quality is high and does not change with different viewports. I believe that this is where I lost some performance points in the LightHouse checker for chrome as it said that the images were heavy, but they appear correctly and in great quality for users. The W3 validator did return no errors for all the pages.

In the end, I got the mobile layout to work as intended, but I did have a lot of issues along the way ensuring that objects weren't off or sized too big for the viewport. The one tool that helped me make sure that my content was displaying as intended in the mobile port was using the CSS outline tool to see which elements were creating the horizontal scrollbar and then focusing on fixing those margins.

Lastly, I had 0 errors for the WAVE checker, but I did have 3 contrast errors for the color of the links in the navigation bar. As a result, I changed the color to a darker navy blue that would have a starker contrast, and this one did pass the test. Therefore, my website has 0 errors and contrast errors, but it does have some alerts that pertain to the oranges for the image carousel since the emojis are from Apple and might not work for other brands. However, most brands have their own orange emoji, so I believe that these would default to that or would be replaced by default circles which is what I would've changed them to that anyway. Since I liked the feature, I decided to leave it. I also went through the lab accessibility checklist and added the 'skip to main' button on all my pages and ensured that I met every requirement on there as well.

Overall, I am happy with the final product of my website, and I think that it meets all the requirements from the list below, except the image sizes.

Requirements List:

HTML

1. Correct HTML syntax and the tags chosen are appropriate.
2. Site validates with no errors.
3. Headers and semantic tags used correctly.
4. All links work. Images have alt tags.
5. If applicable: form fields are the correct type for the data.

Images and Layout

6. Layout matches wireframe or is complex layout.
7. Images used in accordance with intellectual property rules.
8. Images are sized down to less than 150kb to create best image quality in software like Photoshop or by using free online tools. No giant images being sized with CSS or HTML.
    a. Exceptions can be made up to 2MB for select hero or featured images, but this is a rare situation and should be explained in your submission document.
9. Tables used for data display (not layout).

CSS

10. Correct CSS syntax. All CSS is embedded or linked.
11. Page contains adequate white space around all content.
12. Semantic container tags used properly.
13. Flexbox used for layout.
14. Website displays properly on a mobile device.

Accessibility

15. Site passes WAVE checker with no errors or color contrast issues.
16. Lab accessibility checklist followed, including "skip to content" link. Appropriate changes to your site.

The End!