ITEC 225: Intro to Web Development

Homework 2 (100 pts)

In doing this homework, remember to abide by the RU Honor Code. You are to work alone and cite all of your work if necessary.

Section 1 (Vocabs)

Define Each of the Vocabs Below

Write down the Following Vocabs in your own terms. Save it into a worddoc

Front-end
Backend
UX
UI
IxD
Site Design
Wireframe Diagram
StoryBoard
Unicorn – Not the Magic horse in Fables or in Stories
SEO Specialist
SEO (Give Examples)
Product Manager
Project manger
Multimedia Producer
Information Architect
Content Strategist
Mockups
Authorizing

Section 2 (Generate Favicon)

Favicon Design

Use the Following links to create from scratch or upload your jpg file to create your custom Favicon for your website/webpage.

Websites
https://realfavicongenerator.net/
https://favicon.io/
https://www.favicon-generator.org/
https://www.favicongenerator.com/

IMAGE Creation Tools
https://www.gimp.org/
https://pixlr.com/
https://www.fotor.com/

Submit a screenshot of your favicon as an ICO file to D2L and enclosed the actual Favicon image to a worddoc. Also, inside this worddoc, supply me with the link in which you've used to create this Favicon.

Section 3 (Design layout)

Design Aspect

Use the Following tools to design your favorite System or Web Application whether this could be Amazon web Music player, Youtube video player, File Transfer, Cyber Security attack website, etc.

These online tools are as follows

https://www.framer.com/
https://www.figma.com/
https://www.uxpin.com/

Submissions :

Provide a link to your UI design layout along with 4 screenshots of your design from initial sketch to the final product. Save the screenshots inside a worddoc along with the links.

Section 4 (HTML PROGRAMMING)

Markup Requirements

- **File**. Decompress the radford_itec225.zip file. Use content from radford_itec225.txt as a guide to create a new radford_itec225.html
- **Validation**: Your markup should validate as HTML5 with no **Errors**. Use the Nu HTML5 Checker at: **https://validator.w3.org/nu/**
- **Optional:** https://www.webfx.com/blog/web-design/20-html-best-practices-you-should-follow/. Many of the HTML Best Practices are mentioned specifically above, but I want to draw your attention for this assignment and ones that follow.
- **Markup Semantics**
  - Use `header`, `footer`, and `main` as appropriate.
  - Consider `article` and `section` elements for content
  - Use headings as appropriate (`h1`, `h2`, etc)
  - Use `p` for paragraph text
  - Use `ul` and `li` for lists

       ○ Hypertext Links
            ■ Add at least 4 hypertext links (`anchor` element) with appropriate href values.

Radford University (h1 header)
Department of ITEC   (h2 header)

Unordered list. (h3 headers)
     * Networking
     * CyberSecurity
     * Database
     * Software Engineering

Section Title (h3)
Radford Graduate program
Radford Summer program

Learning in retirement
Professional Development

Footer
Radford University, 801 East Main St., Radford, Virginia 24142, 540-831-5000
www.radford.edu/content/csat/home/itec.html

Once this webpage has been made, You must validate against this website.
Simply upload your html file to this site and take a screenshot of the result.

https://validator.w3.org/nu/

Pledge requirements:

As a Highlander, I will conduct myself with honor and integrity at all times. I will not lie, cheat, or steal, nor will I accept the actions of those who do. This program is solely my work, or proper attribution has been given to code that I did not write. If I am found to violate this policy, I realize I will receive an F for this course with no exceptions.

Grading rubric
20 pts – Define Vocabularies   **(part 1)**
20 pts – Design your FAVICON   **(part 2)**
25 pts – Design Properly on your GUI Layout   **(part 3)**
15 pts – HTML Programming   **(part 4)**
10 pts – HTML Validation https://validator.w3.org/nu/ (part4)

10 pts – submit this homework as either a zip//7z file after using provided text or html file accompanying this pdf file. Name this zip file, hw2_flo.zip: For example: hw2_flo.zip. Screen-Shots go onto WORD-DOC, NO NEED TO SUBMIT this worddoc inside this zip file. **Simply UPLOAD ALL WORD DOCS to D2L.**