WEB 1400
Website Project - Part 2

For Part 2 of the website project you will code the home page for the zoo website. Be sure to check out the resources that are available in the Canvas Modules to help you with the project. You will find a video that shows how to set up a hero image and responsive navbar. To create the home page for the project you should follow these steps:

1) Take a look at the feedback provided by your instructor for the mockup you created in part 1 of the project. Make improvements in content, design, and layout based on the feedback.

2) Set up your project folder naming it Last Name_1400proj. Include an images folder and css folder inside of the project folder.

3) Open your project folder in Brackets. Create three html files for the Home page, your chosen content page (About Me, Events, or Meet the Birds) and the Donations page. Be sure to name the home page "index.html" instead of "home.html".

4) Create a blank css stylesheet and name it styles.css. Add headings in the stylesheet for the main sections such as GLOBAL, HEADER & NAV, HERO SECTION, FOOTER, MEDIA QUERIES, and other sections specific to your pages and content.

5) Add the basic html5 elements for the home and content page. Include the following elements:

   <!DOCTYPE html>
   <html lang="en">
   <head> which includes the following:
       <meta> tags for charset, author, and description
       <title> opening and closing tags
       <link> tags to Font Awesome, your styles.css file, and the embed code for
         your google fonts.
   <body>
   <header>
   <nav>
   <main>, <section>, <article> and <aside> elements
   , <ol>, and <li> elements for bulleted or numbered lists
   <div> tags
   heading tags for different heading levels
   <p> tags at beginning and end of paragraphs
   <footer>
   And any other elements I may have forgotten that you need to code your page content.

6) Be sure within the three pages of the website that you meet the project requirements listed in the overall project instructions. Add at least one <article> element, one <aside> element, and a vertical bulleted or enumerated list which includes <ul> or <ol> and <li> elements.

7) Add class attributes inside the html5 tags where needed so that you can target elements in your css style rules.

8) Refer to your mockup to remember the content, layout, and design of the two pages. Add divs and class attributes to identify the flex containers and flex items.

9) Add the headings and paragraph text to each section.

10) Resize and crop your images as needed using a photo editor program. Bring the file size down to under 200KB so the images will load quickly. See the Week 10 video that demonstrates working in Photoshop and Photoscape to resize and crop images.

Add the images to your home page. Be sure to include the ALT information inside each img tag. Note that "background images" are added through CSS instead of <img> tags.

11) Add user interface elements such as buttons, hyperlinks, icons, text boxes, lists, etc.

12) Go into the css style sheet and add style rules. Start with the global rules for

- box-sizing
- html giving font size in px (to calculate rems)
- body style rule including font size (to calculate ems), width, margin, and padding to extend backgrounds to the edge.
- section style rule for setting the page padding
- p, h1, h2, h3, h4 rules styling the text (i.e., font-family, font-size, color, font-weight, letter-spacing, line-height, text-transform, font-variant, etc.)
- a (hyperlinked text)
- hover (hover effects)
- .btn button style rules including background color, border, radius, font color, padding etc.
- .btn button hover effect
- image style rule to set size as percent and make responsive

Then start adding the styles rules for elements within specific sections such as the header, mainhero, section elements that need styles such as images, icons, textboxes, lists, footer, and others.

13) Add the Flexbox style rules to set up the layouts for each section of the pages. Style rules will need to be added for the flex containers and flex items. Also, add a Media Queries heading to the style sheet and add the style rules required to convert the layouts to one column at the 767px breaking point.

14) Save the final version of your files from Brackets and upload your project folder to the Canvas assignment window.

15) Copy your website files to the Computer Science Icarus web server. A video recorded by your instructor will help you to log onto the server and transfer your files.

https://1533221.mediaspace.kaltura.com/media/publish_steps/0_dys299n3

Written instructions are also available on the Computer Science website at https://icarus.cs.weber.edu/Technical_Support.html?tab=ftp

16) Include the URL to your published index page as a comment when submitting the assignment on Canvas.