

Project 2 (140 points +14 points)

~ **Electronic Submission in Canvas:** Submit your project in a zipped folder (YourNameProject2.zip) in Canvas before 10:00 AM (in Las Vegas, NV) on Friday, May 8, 2020. Late projects will be accepted only during the 48 hours following this deadline. Late projects will be penalized 35 points (25%).

Read the project in its entirety before performing any of the tasks required. You may realize some efficiencies once you get a clear picture of the requirements. For instance, hold off making multiple copies of index.html until you determine what is required for every page, like a link to your css page or the content of the footer.

1. Create a website with a home page (index.html) and at least 3 additional pages with the theme of **sports**. In addition, there must be a design reference page. Five pages in total.
 - ☐ (6) Start with templateSpring2020.html. Identify yourself as author. Save that file as index.htm. Make four (4) copies. Save the copies using file names consistent with the theme of **sports**.
 - ☐ (6) The website must include at least four (4) images of your choice, but they must be (broadly) consistent with the theme of **sports**. One of these images will be used as a background image for *all* your webpages; one will be used as a marker for an unordered list; the others will serve to add interest to your website. Do not use images from class or from the textbook. Adjust the sizes of the images as needed. All images, including the provided sports.JPG, must be stored in a separate images folder. In addition, include all your images on the design reference page using `<figure> <figcaption>`
`</figcaption></figure>` structure to document your sources. The figcaption must contain “Source” as the link text to the web page where you found the image.
 - ☐ (8) For the content of your website you must use place-holding text provided for you in *placeholdersSpring2020.txt*. Be sure to replace any characters with special characters as appropriate: curly quotation marks, curly apostrophes, em-dashes, ampersands, etc.
 - ☐ (3) Your html and css documents must be produced using a text processor, such as NotePad++ on Windows, or BBEdit on the Mac.
 - ☐ (7) Use Free Formatter to format each of your html pages and to “beautify” your css file *before* you turn in your project.
2. Include the following (do not use examples from class or from the textbook):
 - ☐ (6) At a minimum, you must include *header*, *nav* (can be within the header element), *article* (for main content of the webpage) and *footer* elements on each page. The footers must include your name, the course number, the course title, and the semester.
 - ☐ (2) One page must include an *aside*.
 - ☐ (4) Include a *skip links* on each page.
 - ☐ (6) Except for the Design References page, include headings and paragraphs from *placeholdersSpring2020.txt*. Each page must include an h1 heading, a minimum of two (2) h2 headings, and a minimum five (5) paragraphs.
 - ☐ (6) The website must include at least one ordered list and at least one unordered list; one of these lists must contain a nested list. Lists-as-navigation will not fulfill this requirement.
 - ☐ (6) Navigation on each page to move from page to page (including to and from the Design References page), to download Project2Spring2020.pdf, *and* to your website on the “Bellagio.csn.edu” server. The current page must not have an active link. For example, in the following nav bar, if the current page is the yyyyyyy page, your links would appear as:

Home | xxxxxx | yyyyyyy | zzzzzz | Design References | Project2.pdf | Bellagio.csn.edu

where yyyyyyy is not an active link; the active hyperlinks in this example are indicated with underlines. Use terms in nav bar consistent with the theme of **sports**.

- ❑ (10) One table (minimum of 5 rows, 4 columns) containing a header row and data, as well as thead, tbody, and tfoot elements. Include **two** examples of merged (vertically and/or horizontally) cells. Content of the table must relate to the theme of **sports**, but the content cannot be a team roster even if you change the names.

(12) Use **sports.JPG** for an image map. Create the hotspots for Baseball Bat, Bowling Pin, Football and Soccer Ball (using the image to the right as a guide for the shapes of the hotspots – outlined in red) *and* corresponding text links (for visually impaired). Use the image map and text links to jump to the relevant terms in a description list (provided in *placeholders Spring2020.txt* file) placed on the *same page* as the image map.



Validate each of your web pages. Correct all errors. Uncorrected errors will be penalized.

3. Styling:

- ❑ (2) Styles must be contained in an external style sheet. The style sheet will provide consistency in the “look and feel” of your website. Your CSS file must have a clear organization. Make a copy of templateSpring2020.css and name the copy yourlastnameProject2.css. Include your name in comment at the beginning of the file.
- ❑ (5) Choose colors consistent with your images. Use [Colormind](#) to determine your color pallet. Do not use examples from class or from the textbook. Document your color choices on the Design References page with screen shots of your generated palette (including the hex numbers for the colors) and of contrast checks validating **AAA contrasts** (7 or above) of color choices of text and background.
- ❑ (4) On each page you must use a *container* div to ensure that the web page can be easily viewed on narrower screens (example to right). Use fixed-width layout.

Include and use the following:

- ❑ (3) An appropriate link element in each html document to the *external* style sheet.
- ❑ (3) Background image *and* backup background color (from your color pallet) for the body.
- ❑ (5) Styles for body text and for headings. Use a **display font** from Google Fonts for the h1 headings only. Other headings contrast with the body text.
- ❑ (2) Use an image as the markers for your unordered list.
- ❑ (8) Styles for the header, nav, and footer.
- ❑ (4) Styles for images (such as, borders and floats).
- ❑ (4) Styles for hyperlinks: link, visited, hover, active.
- ❑ (2) Styles for skip links.
- ❑ (4) Styles for the table and at least two of its components.
- ❑ (4) Styles for at least two of the components of the description list.
- ❑ (2) Styles for the aside



Include the following in a **media query for print**:

- ❑ (4) “hide” irrelevant hyperlinks, such as those used for navigation.
- ❑ (4) except for the image map, images must not appear on printed output. Unordered lists must be marked by a square rather than an image.
- ❑ (2) follow the guidelines from class for styling headings and body text to make the printed document easier to read.

Validate your CSS file. Correct all errors. Uncorrected errors will be penalized.

4. (10) On your Challenges-Workshop home (index) page, add a link to your Project 2. See example. Replace the old index.html with your new one. Set permissions appropriately.

Upload your Project2 website to your “Bellagio.csn.edu” account. Set permissions for all files and folders. Be sure that all images display and that all links work, including the one to download a copy of this exam. Be sure that the links to “Bellagio.csn.edu” in your Project 2 connect with **your** “Bellagio.csn.edu” index page.



Delivery in Canvas: Turn in only the following in a zipped folder (**YourLastNameProject2.zip**)

- ☐ five (or more) html files
- ☐ one css file
- ☐ five (or more) image files (in an images folder)
- ☐ Project2Spring2020.pdf
- ☐ Modernizr version referenced in your webpages

Further information:

The theme of your website must be sports, can be e-sport. You are to select images and create a table reflecting that theme. Your images could show people involved in various sports, or in a single sport; the table could be a sports schedule. File names and navigation could reflect the sports theme: separate page/file per sport, for example.

An index page and three additional pages are required. On each of these pages you are to have certain headings and number of paragraphs. Each page must have a skip links feature. The content of these pages is to be taken from the placeholder.txt file. Start with those. Put ordered and unordered lists somewhere on those pages, using placeholder text. Add navigation to move around the website.

Put the image map and description list on one of the pages. Put the table on another page.

The design reference page is required and is to serve as documentation of your images and of the palette derived from one of your images and the contrast of your background and font colors derived from your images. This page does not have the paragraph-count requirement of the index and other three pages.