## Course Assignment Portal Overview

Review the description below for a quick overview of this assignment.

* **Task:**Using your prerequisite knowledge and resources in this class, build a course assignment portal page and upload it as the home page of your GitHub Pages remote site.
* **Purpose:**The assignment objective is to apply your prerequisite knowledge and the concepts from the lesson to create and publish your course home page. This page will serve as an assignment portal which you will update throughout the course with links to lesson assignments and projects. You will upload and publish this home page and its supporting assets to your GitHub Pages space on the web.
* **Instructor:** Assist students through the developer forum, virtual lab, to successfully build and publish their course home page.

Instructions

1. In your local project folder or repository, **create** the following web page named "index.html" using your own colors, font type, photo, name, and location.  
   *The bullet items are just placeholders for future assignment links that will need to be properly labeled when updated as we move through the course.*
2. Review and meet the page requirements listed below as you build your page.  
   *Many of these requirements are standard development components.*
3. Commit and push your assignment portal home page and supporting files (CSS, images, etc.) to your remote GitHub Pages repository.
4. Share your GitHub Pages URL in the W01 Discussion: Developer Forum for peer review.

☝ The GitHub Pages URL is **https://*your-github-username*.github.io** where *your-github-username* is **your** GitHub username. For example,*if* my GitHub username was **susanbsmith**, then I would share or submit **https://susanbsmith.github.io.**

1. Review a couple of other student submissions and offer feedback based upon the requirements listed below and your own observations. It is also okay to ask questions and seek specific help.
2. Using the peer reviews, update your page as needed.
3. Submit your GitHub Pages URL using the assignment drop box.

Requirements

☝ The following checklist provides detailed requirements that are a part of the [WDD 230 Development Standards](https://byui.instructure.com/courses/180216/pages/230-development-standards-checklist) which are required on all page and site submissions in this course.

☐ The page must have the same structure and content as shown in the example above.  
Select and use your own colors, font-family, name, photo, and state or country location.

☐ The external link in the footer must point to the BYU-Idaho Online Learning home. ([https://www.byui.edu/online (Links to an external site.)](https://www.byui.edu/online))

☐ Any CSS layout method is okay to use, but the recommendation is to use simple blocks with a maximum width and an image float.  
See the additional help demonstrations below for more specific ideas.

Head

☐ The [doctype (Links to an external site.)](https://html.spec.whatwg.org/multipage/syntax.html#the-doctype) is HTML5 and is at the top of your HTML page.  
Let the browsing agent know what version of HTML to render on the page.

☐ The [charset (Links to an external site.)](https://developer.mozilla.org/en-US/docs/Learn/HTML/Introduction_to_HTML/The_head_metadata_in_HTML#Metadata_the_%3Cmeta%3E_element) declared (UTF-8) is declared correctly.

☐ The [viewport (Links to an external site.)](https://developer.mozilla.org/en-US/docs/Mozilla/Mobile/Viewport_meta_tag) is declared correctly.  
One objective in this course is to develop responsive web pages and we can start with this simple meta tag.

☐ A meaningful [title (Links to an external site.)](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/title?ref=frontendchecklist) is used on all pages.  
A [proper title (Links to an external site.)](https://moz.com/learn/seo/title-tag) can significantly increase the search engine optimization (SEO) of the page.

☐ A meta [description (Links to an external site.)](https://developer.mozilla.org/en-US/docs/Learn/HTML/Introduction_to_HTML/The_head_metadata_in_HTML#Adding_an_author_and_description?ref=frontendchecklist) is provided, it is unique and doesn't possess more than 150 characters.  
Example Meta Description: "Assignment portal for Susan Smith in WDD 230: Web Frontend Development at Brigham Young University - Idaho"

HTML

☐ The HTML document is validated through the [W3C Markup Validation Service (Links to an external site.)](https://validator.w3.org/). Review and identify those relevant issues in the markup. ☝ [Web Developer (Links to an external site.)](https://chrome.google.com/webstore/detail/web-developer/bfbameneiokkgbdmiekhjnmfkcnldhhm?hl=en-US)  
☐ [Semantic elements (Links to an external site.)](https://developer.mozilla.org/en-US/docs/Web/Guide/HTML/HTML5) are used appropriately and where feasible throughout the document.  
*Example: Use <header> and not <div id="header">*  
☐ There are no broken links on the page. ☝ [Web Developer (Links to an external site.)](https://chrome.google.com/webstore/detail/web-developer/bfbameneiokkgbdmiekhjnmfkcnldhhm?hl=en-US) | [W3C Link Checker (Links to an external site.)](https://validator.w3.org/checklink?ref=frontendchecklist)  
At this point we really do not have any links except in the footer and placeholder for the self link.

CSS

☐ All embedded or inline CSS is avoided in the HTML document.

☐ If IDs are used, they are unique to a page.

☐ The CSS is validated through the [W3C CSS Validation Service (Links to an external site.)](http://jigsaw.w3.org/css-validator/). ☝ [Web Developer (Links to an external site.)](https://chrome.google.com/webstore/detail/web-developer/bfbameneiokkgbdmiekhjnmfkcnldhhm?hl=en-US)

JavaScript

☐ No JavaScript errors are found.

☐ JavaScript code is not mixed with your HTML code inline.

☐ The current year is dynamically driven and placed near the © symbol in the footer.  
☝ [HTML Entities; (Links to an external site.)](https://www.w3schools.com/html/html_entities.asp) see the **Assignment Help** section below about getting the current date and manipulating the document.

☐ The date and time that the file was [last modified (Links to an external site.)](https://developer.mozilla.org/en-US/docs/Web/API/Document/lastModified) is labeled and dynamically driven in the footer.

 Images

☐ The portrait (self or family) image is optimized to be rendered in the browser.  
Use a JPEG file type given that it will have a lot of color. Use basic optimization techniques such as cropping, resizing, and adjusting the image quality using an editor of your choice or preference. See the **Assignment Help** section on this page for a demonstration.

☐ The <img> have an [alternative text (Links to an external site.)](https://developer.mozilla.org/en-US/docs/Learn/HTML/Multimedia_and_embedding/Images_in_HTML#Alternative_text) which describes the image visually.

 Accessibility

☐ The language (lang) attribute of your website is specified and related to the language of the current page.

☐ Headings should be used properly and in the right order.  
*This page should use two headings, H1 and H2.*

☐ The page should pass the [basic accessibility (Links to an external site.)](https://developer.mozilla.org/en-US/docs/Learn/Accessibility/What_is_accessibility) standards using the [WAVE tool (Links to an external site.)](http://wave.webaim.org/). ☝ [Web Developer (Links to an external site.)](https://chrome.google.com/webstore/detail/web-developer/bfbameneiokkgbdmiekhjnmfkcnldhhm?hl=en-US)

☐ Color contrast should at least pass WCAG AA (AAA for mobile). ☝ [Contrast-Ratio (Links to an external site.)](https://contrast-ratio.com/)

 Performance

☐ The weight of the page is between 0 and 500 KB.  
☝ [Pingdom: Page Load Metrics (Links to an external site.)](https://tools.pingdom.com/)

Assignment Help

**Assignment Help**

🎦[Video Demonstration](https://video.byui.edu/media/t/0_sfqclcdl)—Basic Image Optimization

🎦[Video Demonstration](https://video.byui.edu/media/t/0_xhcgdu1v)—JavaScript Current Date

🎦[Document Property *lastModified* (Links to an external site.)](https://developer.mozilla.org/en-US/docs/Web/API/Document/lastModified)—returns and date and time of when the current document was last modified.

🎦[Video Demonstration](https://video.byui.edu/media/t/0_r2u5hr3i)—Committing and pushing a local repository to GitHub Pages using VS Code

Rubric

**Complete/Incomplete (0 to 3 scale)**

| Complete/Incomplete (0 to 3 scale) | | |
| --- | --- | --- |
| **Criteria** | **Ratings** | **Pts** |
| This criterion is linked to a Learning OutcomeIncomplete to Complete Assessment  0 to 3 | |  |  |  |  | | --- | --- | --- | --- | | **3 pts**  **Complete - Meets All Requirements**  Student met all the requirements of the assignment or activity. This may be allowed through a re-submission given an initial incomplete rating by the instructor with feedback. | **2 pts**  **Complete**  The assessment warranted less than full credit given the student did not meet all the requirements even after re-submission(s). | **1 pts**  **Marked Incomplete**  The submission was worth more than no credit given the student attempted some of the requirements and/or did not attempt a re-submission given instructor feedback. | **0 pts**  **Incomplete**  The initial value before a re-submission. In the end, no submission was attempted or the submitted work was deemed not relevant to the requirements. | | 3 pts |
| Total Points: 3 | | |