

Assignment - Hands on Exercise 1

For Hands-On Exercise #1, we are going to be starting from scratch. You will start to design a website that will be the home for linking all of your assignments. You may style this webpage in any way you like using good design practices, and non-offensive language and images.

GitHub Pages Setup for your Server

- Login to your GitHub account, create a new repository and name it **cmst385**.
- Select public and click **[Create repository]** button.
- Click setting and click **[Launch automatic page generator]**
- Modify the Markdown file as you wish by replacing the "GigHub Pages" test on the first line with **CMST385**
- Insert a line below and type "by YourName"
- Click the **[Continue to layouts]** button
- Select a layout that looks appealing and click **[Publish page]** button
- Install the GitHub Desktop application on your computer if you have not already done so and open it.
- Select **[Clone or download]** button and then click **[Open in Desktop]** button.
- After it opens in desktop select any location that is NOT in cloud storage (not dropbox) and click Clone to that folder which will be your local repository download and linked to the GitHub cloud.
- Verify your web site was created using a browser and enter your URL: YourName.github.com/cmst385/
- Create a folder called **exercise1** and place all files for this assignment in the exercise1 folder which will have the URL YourName.github.com/cmst385/exercise1/

HTML5 Pages (you will be creating 2 pages this week)

- Create an HTML5 page as your home page in the **exercise1** folder with filename **index.html**
- The webpage must include the appropriate **DOCTYPE**
- Add in a **title** to the head section so that the index page has a title of Home – Your Name
- Using semantic tags for HTML5 to create the index page (header, nav, article, section, aside, footer, etc.)
 - Create **rollover horizontal navigation** and include the following links – **Home, Exercise 1, Exercise 2, Exercise 3 and Exercise 4**. The home page should link to this page and the second page will link to **album.html**
- Create an **external CSS** and link it to the index page
- Page Content for **Index Page** with filename **index.html**
 - A brief introduction to yourself, including answers to the following:
 - **General Info:**
 - What's your major?
 - Is this your first online class?

Assignment - Hands on Exercise 1

- How would you describe your level of expertise with computers in general?
 - When did you take CMST 385?
 - **Web Design Info:**
 - Do you currently work in Web Design? If so, what do you do? (eg. Web developer or webmaster for a company, freelance web designer, etc.)
 - What scripting languages or web technologies do you know (eg. JavaScript, Java, PHP, etc.)? What is your level of expertise?
 - In this class, you'll be hand coding HTML and CSS using a text editor? What is your editor of choice (eg. Windows Notepad, Notepad++, EditPad, BBEdit, Mac Text Edit, Text Wrangler, etc.)?
 - **About your computer:**
 - What type of computer do you have? (Apple, PC)
 - What Operating System do you use? (Windows XP, Windows Vista, Mac OS, Linux)
 - Which web browser or browsers do you use (Please include type)
 - **Optional:**
 - I took CMST 385 but I'm still really nervous about or don't understand _____
- **HTML5 2nd page** with filename **gallery.html**
 - Based on the first page created, build another **HTML5 page** as your **html** to include
 - The title of this page should be **Exercise 1- Your Name**
 - Everything else should be the same as what is on the index.html with the exception of removing the introduction
 - **Content for this page will be the photogallery**
 - use 4 photos minimum - no larger than 500 px length or width
 - This page must be **linked to the navigation** for Exercise 1

CSS

- Create a **CSS file** with filename **styles.css** to include all style elements – and place it within a folder titled css.
- Add a **background** color or pattern
- Develop **styles** for font family, font size, weight, headings, lists
- Be sure to use good color choices for foreground (text) and background(color) for good usability and easy reading
- **Link** the CSS file within the HTML5 document
- There should be **no CSS styles within the HTML5** document, all should be housed in the CSS file

Assignment - Hands on Exercise 1

SEO

- Use one heading1 tag on each page – subsequent headings should go in order of importance heading 2, 3 etc. This is important in SEO to establish a hierarchy
- Keywords selection should include 5 relevant ones in between head tags.

Validate

- You must run the **HTML5 and CSS validator** for each page in the exercise and correct all validation errors.
- You'll find the validator here: <http://validator.w3.org> and <http://jigsaw.w3.org/css-validator/>

Github Commit and Synchronize

The following should be uploaded after you do the GitHub Commit and Synchronize:

exercise1 folder > index.html, gallery.html, styles.css, and all images and css folders.

Check your work online after uploading the assignment to ensure the home page is linked and the index1.html page is linked to Exercise 1 tab on the navigation.

Once you have completed the exercise you must **submit the URL to the Assignment Folder**. Your submission must include the full URL of the index.html and gallery pages (i.e. **<http://YourName.github.com/cmst385/exercise1/index.html>**). Again make sure it is working as well as all images included, this is a best practice.

If any of the above materials are missing from your submission, your exercise will be considered incomplete and will result in point deductions.

So please view your work on the web prior to submitting.