**Assignment: Building a Web Page Exercise, Part 1**

Before we delve too deep into the world of HTML development, we must first understand the core principles governing how HTML documents are formatted and structured. Every website page needs a specific structure in order to function properly in a browser. For this assignment, you will learn how to create and validate HTML documents.

**Resource Links:**

1. **WC3 Markup Validation Service**: <https://validator.w3.org/#validate_by_input>

**Assignment Details:**

**1. Assignment Instructions**

* + Create a new directory under your local csd-340 folder (repository) and name it module-1
  + Create a new HTML document in a text editor and name it <yourLastName\_Mod1\_3>.html and place it in the module-1 directory
  + Using the below starter code, create a basic HTML page and add the code to your <yourLastName\_Mod1\_3>.html document
  + Visit the World Wide Web Consortium (W3C) website and validate the markup you wrote using their HTML validator
    - Hint: select the “Validate by Direct Input” link and paste the markup you wrote into the “Validate by direct input” field
  + Take a screenshot of the validators results (there should be one or more errors)
  + Correct the identified errors
  + Re-validate the HTML code
    - Hint: select the “Validate by Direct Input” link and paste the markup you updated into the “Validate by direct input” field
  + Take a screenshot of the updated results (this time, there should be 0 errors)
  + Add a single h1 element underneath the body element with the following text: “Assignment 1.3 – Building a Web Page Exercise, Part 1”
  + Add a single sentence under the h1 element that provides info on where you are located and the weather for that location today. You'll need to look up how to type in the degree symbol, either in html or the keyboard.
* + Update the document's title to “CSD 340 Web Development with HTML and CSS’
    - Hint: update the text in the <title> element of the page <head>
  + Re-validate the HTML code
  + Take a screenshot of the updated results (this time, there should be 0 errors)
  + Open the file in your computer's default browser and take a screenshot of the web page
  + Combine all images into a single word document and include your name, date, and assignment number.  Name the file <yourLastName>-<assignmentName>.docx

**2. Starter Code**

<!DOCTYPE html>

<html lang="en">

<head>

<title></title>

</head>

<body>

</body>

</thml>

**3. Browser Output Example**

A close up of a text

Description automatically generated [Click for more options](https://cyberactive.bellevue.edu/webapps/blackboard/content/listContent.jsp?course_id=_534131_1&content_id=_16476432_1&mode=reset#contextMenu)

**4. GitHub**

* Stage, commit, and push your work to GitHub.
* Click on the following link for instructions:
  + [GitHub Stage, Commit, and Push.pdf](https://cyberactive.bellevue.edu/bbcswebdav/xid-101703982_4) [Click for more options](https://cyberactive.bellevue.edu/webapps/blackboard/content/listContent.jsp?course_id=_534131_1&content_id=_16476432_1&mode=reset#contextMenu)

**5. Deliverables**

* Link to your GitHub repository.
* module-1 directory, packaged as a .zip file.
* <your-last-name>-<assignment-name>.docx (document containing the screenshots).

**Assignment Requirements and Grading:**

1. This assignment is due by **Sunday, 11:59 p.m., CST**.
2. Submit your assignment by clicking on the **Assignment Link** above, then scroll down to the **Attach Files** section and click on **Browse My Computer**. Select your assignment file, add any links or comments as appropriate, and then click on **Submit**.
3. To view the grading rubric for this assignment, click on the following link: [Programming Grading Rubric](https://content.bellevue.edu/cst/csd/rubricprogrammingv2.pdf).

**(50 points)**