**Chapter 4 Homework**

Web Development Technologies



Inside your **git** repo, use the folder named **HTML\_CH04\_HW**

Create a web page about your favorite hobby and use an external style sheet to implement #2.

**1. Basic Page Setup – 15 pts**

* index.html file created – **5 pts**
* Wrapper div centered with margins – **5 pts**
* Semantic structure (header, nav, main, footer) – **5 pts**

**2. External Style Sheet Requirements (55 pts)**

a. Inline element (with HTML comment) – **2.5 pts**  
b. Block element (with HTML comment) – **2.5 pts**  
c. Relative measurement (em or %) – **2.5 pts**  
d. Absolute measurement (px or pt) – **2.5 pts**  
e. Hex color value – **2.5 pts**  
f. RGB color value – **2.5 pts**  
g. RGBA color value – **2.5 pts**  
h. Descendant selector – **5 pts**  
i. Multiple selectors – **5 pts**  
j. Child selector – **5 pts**  
k. Padding and margin – **5 pts**  
l. Pseudo-class selector (:hover and :focus) – **5 pts**  
m. Shorthand font property (family, size, style, weight, line height) – **5 pts**  
n. Font shadow – **5 pts**

**3. CSS Cascade Demonstration (inline + embedded + external CSS) – 10 pts**

**4. Additional Styling Concepts – 20 pts**

a. Integrate **normalize.css** – **5 pts**  
b. Custom margin & padding on 5+ elements – **5 pts**  
c. Add border to headings:

* 10px – **1.5 pts**
* Dashed – **1.5 pts**
* Custom color – **2 pts**  
  ➡️ **5 pts total**

d. Gradient background on header – **2.5 pts**  
e. Gradient background on body – **2.5 pts**  
f. Custom heights & widths for paragraphs – **5 pts**

1. Validate your HTML **– 10pts**
   1. <https://validator.w3.org/>
2. Validate your CSS with the CSS validator **– 10pts**
   1. <https://jigsaw.w3.org/css-validator/>

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