# Chapter 12: CSS Targeting Elements

# Your name:

**Objective:** Demonstrate your understanding of CSS selectors and how to target HTML elements using different methods.

**Instructions:** Complete the following tasks to show your knowledge of CSS targeting and styling. Write your answers inside this document using a different color. (No it does matter what color; I need to be able to read it!)

**Part 1: Basic Selectors (30 points)**

1. What is the difference between a class selector and an ID selector?   
   Provide an example of each.

The difference between a class selector and an ID selector is…  
An example of a class selector is…

An example of an ID selector is…

1. Write the CSS selector that would target:
   * All paragraph elements  
     p {  
     /\* Add your desired styles here \*/  
     }
   * Elements with the class "highlight"
   * The element with ID "header"
   * All list items inside an unordered list

**Part 2: Advanced Selectors (40 points)**

1. Create CSS rules using these combinators:
   * Target all direct child elements of a div
   * Select all paragraph elements that come immediately after headings
   * Target all elements with the class "box" that are inside elements with the class "container"
2. Write CSS rules for these pseudo-classes:
   * Make links turn red when hovered over
   * Style the first paragraph of an article differently
   * Change a button's background color when it's clicked
   * Style every odd-numbered row in a table

**Part 3: Practical Application (30 points)**  
Given this HTML structure:

<nav class="menu">

<ul>

<li><a href="#">Home</a></li>

<li><a href="#">About</a></li>

<li><a href="#">Contact</a></li>

</ul>

</nav>

Write CSS rules to:

1. Style the navigation menu with a dark background
2. Make menu items display horizontally
3. Add hover effects to the links
4. Style the active link differently
5. Add a subtle transition effect when hovering over links

**Bonus Challenge (+10 points):**  
Create a CSS rule that targets the last child of a parent element, but only if it's a paragraph element.

**Submission Guidelines:**

* Submit your work as a single CSS file
* Include comments explaining your code
* Test all your selectors to ensure they work as intended

Note: Remember to validate your CSS using a CSS validator before submission.