**User Action Pseudo-classes**

* **:hover**
  + Triggered when a user hovers over an element with a cursor.

a:hover { color: red; }

* **:active**
  + Applies when an element is being activated by the user (e.g., holding the mouse button down on it).

button:active { background-color: blue; }

* **:focus**
  + Applies when an element has received focus.

input:focus { border-color: green; }

**Input Pseudo-classes**

* **:checked**
  + Applies to input elements when they are checked or selected (for checkboxes and radio buttons).

input[type="checkbox"]:checked { box-shadow: 0 0 0 3px green; }

* **:disabled**
  + Applies to elements that are disabled.

button:disabled { opacity: 0.5; }

* **:enabled**
  + The opposite of :disabled, applies to elements that are enabled.

input:enabled { border: 2px solid black; }

* **:required**
  + Targets input elements that have the "required" attribute.

input:required { background-color: #FFF4F4; }

**Structural Pseudo-classes**

* **:first-child**
  + Matches elements that are the first child of their parent.

p:first-child { color: red; }

* **:last-child**
  + Matches elements that are the last child of their parent.

p:last-child { color: blue; }

* **:only-child**
  + Matches elements that are the only child of their parent.

p:only-child { margin: 10px; }

* **:nth-child(n)**
  + Matches elements that are the nth child of their parent.

li:nth-child(2) { color: green; }

* **:nth-last-child(n)**
  + Matches elements based on their position counting from the last child.

li:nth-last-child(2) { color: purple; }

* **:first-of-type**
  + Matches the first sibling of its type.

div:first-of-type { padding: 20px; }

* **:last-of-type**
  + Matches the last sibling of its type.

div:last-of-type { padding: 20px; }

* **:only-of-type**
  + Matches siblings of its type if it is the only sibling of that type.

p:only-of-type { font-size: 20px; }

* **:nth-of-type(n)**
  + Matches elements of a specific type, based on their position among siblings of the same type.

p:nth-of-type(2) { font-weight: bold; }

* **:nth-last-of-type(n)**
  + Similar to :nth-of-type but counts from the end.

p:nth-last-of-type(2) { font-style: italic; }

* **:empty**
  + Matches any element that has no children at all (including text nodes).

div:empty { display: none; }