

# Modern HTML & CSS Cheat Sheet (2025)

## ✓ Native Interactivity – No JS Needed

### <dialog>

```
<dialog id="myDialog">
  <form method="dialog">
    <p>Hello there!</p>
    <button>Close</button>
  </form>
</dialog>
```

```
<button onclick="myDialog.showModal()">Open</button>
```

- ✓ Native modal, closable via `Esc`, backdrop auto-added
  - ✓ Also supports `.close()`, or can be submitted via form
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### <details> + <summary>

```
<details>
  <summary>Show more</summary>
  <p>This is hidden until clicked.</p>
</details>
```

- ✓ Perfect for FAQ, collapsible sections
  - ✓ Keyboard accessible by default
- 

### <input type="..."> (Modern Types)

```
<input type="color" />
<input type="date" />
```

```
<input type="range" />
<input type="email" required />
```

- ✓ Native widgets, auto-validation, accessibility built-in
  - ✓ No external JS libs needed
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### **<datalist> (Autocomplete for Inputs)**

```
<input list="techs" name="tech" />
<datalist id="techs">
  <option value="React" />
  <option value="Next.js" />
  <option value="Tailwind" />
</datalist>
```

- ✓ Autocomplete dropdown
  - ✓ Can be used with any input
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### **<template> (JS + Markup Combo)**

```
<template id="userCard">
  <div class="card">User goes here</div>
</template>

<script>
  const tpl = document.getElementById('userCard');
  document.body.append(tpl.content.cloneNode(true));
</script>
```

- ✓ Doesn't render until cloned
  - ✓ Useful for reusable HTML chunks
- 



## **CSS Features That Feel Like Magic**

## **:has()** — Parent-Aware Styling

```
.card:has(img) {  
  border: 2px solid green;  
}
```

- ✓ Style based on child presence
  - ✓ Only works in modern Chromium/Safari (as of now)
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## **scroll-behavior: smooth;**

```
html {  
  scroll-behavior: smooth;  
}
```

- ✓ Native smooth scrolling for anchor links
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## **accent-color** — Custom Radio/Checkbox Styling

```
input[type="checkbox"] {  
  accent-color: tomato;  
}
```

- ✓ Change checkbox, radio, and range color without hacks
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## **container queries (finally!)**

```
@container (min-width: 300px) {  
  .card {  
    flex-direction: row;  
  }  
}
```

- ✓ Style components based on *their own* size
- ✓ Great for reusable responsive components

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## `:where()` and `:is()`

```
:where(h1, h2, h3) {  
  font-family: 'Inter', sans-serif;  
}
```

- ✓ Apply styles to multiple elements cleanly
- ✓ `:where()` has **no specificity**

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## View Transitions API (Experimental)

```
// Add this in your click handlers  
document.startViewTransition(() => {  
  // Update the DOM  
});
```

- ✓ Native page/view animations
- ✓ No React/SPA needed — Chrome only (so far)

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## Bonus: Tools You Might Like

Tool	Why Use It
<code>&lt;meter&gt;</code>	Visual progress like memory/disk
<code>&lt;progress&gt;</code>	Ongoing loading status
<code>&lt;output&gt;</code>	Live result of a calculation
<code>inert</code> attribute	Prevent focus/interactions on elements (like background during modals)