

HTML and CSS cheat sheet

Semantic HTML: use the tag that describes the content

Tag	Use it for
header, nav, main, footer	The main areas of every page
section, article	A themed group of content; a self-contained item
h1 to h6	Headings in order. One h1 per page
p, ul, ol, li	Paragraphs and lists
a href	Links. Write meaningful link text, not 'click here'
img src alt	Images. Alt describes the image; empty alt for decoration
button	Actions. Not a styled div
form, label, input, select, textarea	Forms. Every input needs a label

A form done properly

```
<form action="https://formspree.io/f/YOUR-ID" method="POST">
  <label for="name">Full name</label>
  <input id="name" name="name" type="text" required autocomplete="name">
  <label for="phone">Phone</label>
  <input id="phone" name="phone" type="tel" required autocomplete="tel">
  <button type="submit">Send order</button>
</form>
```

CSS selectors and the box model

Selector	Selects
p	Every paragraph
.card	Elements with class card
#menu	The element with id menu
.card h3	h3 inside .card
a:hover	Links being hovered
@media (min-width: 768px)	Styles for screens 768px wide and up

Every element is a box: content, then padding, then border, then margin. Always set box-sizing: border-box.

Flexbox: one direction

```
.row { display: flex; gap: 1rem; justify-content: space-between; align-items: center; flex-wrap: wrap; }
```

Grid: two directions

```
.cards { display: grid; grid-template-columns: repeat(auto-fit, minmax(220px, 1fr)); gap: 1rem; }
```

Responsive, mobile first

```
/* phone styles first, then bigger screens */
.layout { display: grid; gap: 1rem; }
@media (min-width: 768px) { .layout { grid-template-columns: 2fr 1fr; } }
img { max-width: 100%; height: auto; }
```

Variables, transitions and animation

```
:root { --primary: #c4692f; --space: 1rem; }
.button { background: var(--primary); transition: transform 150ms ease, box-shadow 150ms ease; }
.button:hover { transform: translateY(-2px); }
@media (prefers-reduced-motion: reduce) { * { transition: none !important; animation: none !important; } }
```