

## HTML

HTML, or HyperText Markup Language, is the vernacular used to markup the structure of a webpage. It is the basis of all webpages by noting the structural areas, whether text, images, links or other content, and how it should be displayed in a browser. Although HTML is a standard language, it is not a programming language; rather, it is a markup language. Markup meaning to "markup" content by using a series of tags. Each and every website you see on the internet, although in the form of a computer file, lives on a webpage incorporating HTML.

### Roles of HTML

HTML's primary role is to create the framework for webpages, so that the content (text, images, links, etc.) can be identified and structured in a meaningful way. HTML offers browsers the ability to know which (content) parts of the page mark up something, be it a heading, paragraph, image or link. HTML, through its many semantic tags, is also important to accessibility and SEO (Search Engine Optimization), as it gives meaning to the content within the structure. In a way, you could think of the HTML as the skeleton of a website.

### Tags:

Tag	Description
<!DOCTYPE html>	Defines the HTML version being used.
<html>	Root of an HTML document.
<head>	Contains meta info, title, and links.
<title>	Defines the title of the page (appears in browser tab).
<body>	Holds all visible page content.
<h1> – <h6>	Defines headings from largest to smallest.
<p>	Defines a paragraph.
<a>	Creates a hyperlink.
<img>	Embeds an image.
 	Inserts a line break.
<ul>	Creates an unordered (bulleted) list.
<ol>	Creates an ordered (numbered) list.
<li>	Defines a list item.
<table>	Creates a table.
<form>	Defines a form for user input.

## Element:

Element	Description
<h1>Heading</h1>	A level 1 heading element.
<h2>Subheading</h2>	A level 2 heading element.
<p>This is a paragraph.</p>	A paragraph element.
<a href="https://example.com">Click here</a>	A link element.
	An image element.
 	A line break element (empty).
<ul><li>Item</li></ul>	An unordered list with list items.
<ol><li>First</li></ol>	An ordered list with list items.
<table><tr><td>Data</td></tr></table>	A table with rows and cells.
<input type="text">	A text input element.
<button>Submit</button>	A button element.
<textarea>Write here</textarea>	A multi-line text box element.
<select><option>Option 1</option></select>	A dropdown select element.
<header>Site Header</header>	A semantic header element.
<footer>Site Footer</footer>	A semantic footer element.

## Example:

```
index.html  Html.html  # vendor.css 1
Example >  Html.html > ...

1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4  <meta charset="utf-8">
5  <meta name="viewport" content="width=device-width, initial-scale=1">
6  <title>Simple Laptop Store (HTML Only)</title>
7  </head>
8  <body>
9  <!-- Header / Nav -->
10 <header>
11 <h1>ZenByte Laptops</h1>
12 <nav>
13 <a href="#shop">Shop</a> |
14 <a href="#compare">Compare</a> |
15 <a href="#contact">Contact</a>
16 </nav>
17 <hr>
18 </header>
19
20 <!-- Main Content -->
21 <main>
22 <section aria-labelledby="welcome">
23 <h2 id="welcome">Powerful Laptops for creators, gamers, and pros.</h2>
24 <p>Browse lightweight ultrabooks, gaming rigs, and workstation laptops. Free shipping over $999 and a 2-year warranty on all models.</p>
25 <form action="#shop" method="get">
26 <input id="q" type="text" placeholder="Model, CPU, RAM">
27 <button type="submit">Find</button>
28 </form>
29 </main>
30
31 <!-- Product Listing (HTML Only) -->
32 <section id="shop" aria-labelledby="shop-heading">
33 <h2 id="shop-heading">Featured Laptops</h2>
34
35 <article>
36 <h3>ZenBook Air 13</h3>
37 <p>Intel i5 • 16GB • 512GB SSD • 13.3" FHD • 1.1 kg</p>
38 <p>Price: $899</p>
39 <p><a href="#">Details</a> | <a href="#">Add to Cart</a></p>
40 </article>
41
42 <article>
43 <h3>Pulse 15 Gaming</h3>
44 <p>Ryzen 7 • RTX 4060 • 16GB • 15.6" 144Hz • 2.2 kg</p>
45 <p>Price: $1,399</p>
46 <p><a href="#">Details</a> | <a href="#">Add to Cart</a></p>
47 </article>
48
49 <article>
50 <h3>Creator Pro 16</h3>
51 <p>Intel i7 • 32GB • 1TB • 16" 4K OLED • 1.9 kg</p>
52 <p>Price: $1,899</p>
53 <p><a href="#">Details</a> | <a href="#">Add to Cart</a></p>
54 </article>
55
56 <article>
57 <h3>WorkMate 17</h3>
58 <p>Intel i9 • 64GB • 2TB • 17" 4K OLED • 2.5 kg</p>
59 <p>Price: $2,499</p>
60 <p><a href="#">Details</a> | <a href="#">Add to Cart</a></p>
61 </article>
62
63 </section>
64
65 <!-- Footer -->
66 <footer>
67 <p>© 2024 ZenByte Laptops. All rights reserved. | <a href="#">Privacy Policy</a> | <a href="#">Terms of Service</a></p>
68 </footer>
69
70 </body>
71 </html>
```

index.html

Html.html

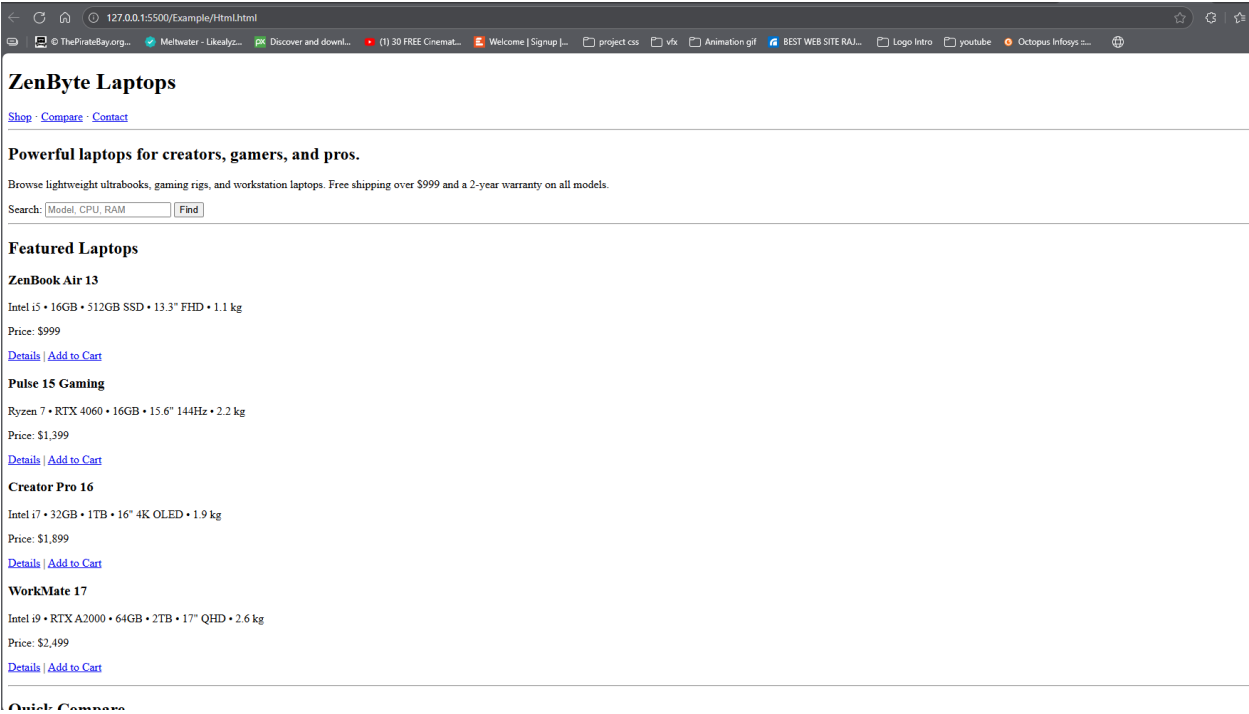
# vendorcss 1

Example > > Html.html > ...

2<html lang="en">  
3<body>  
21<main>  
34<section id="shop" aria-labelledby="shop-heading">  
57<div>  
58<h3>WorkMate 17</h3>  
59<p>Intel i5 • RTX A2000 • 64GB • 2TB • 17" QD • 2.6 kg</p>  
70<p>Price: \$2,499</p>  
71<p>  
72<a href="#">Details</a> |  
73<a href="#">Add to Cart</a>  
74</p>  
75</div>  
76<div>  
77</div>  
78</section>  
79<!-- Simple comparison table (no CSS) -->  
80<section id="compare" aria-labelledby="compare-heading">  
81<h3>Compare-heading<Quick Compare</h3>  
82<table border="1" cellpadding="6" cellspacing="0">  
83<thead>  
84<tr>  
85<th>Model</th>  
86<th>CPU</th>  
87<th>GPU</th>  
88<th>RAM</th>  
89<th>Storage</th>  
90<th>Screen</th>  
91<th>Weight</th>  
92<th>Price</th>  
93</tr>  
94</thead>  
95<tbody>  
96<tr><td>ZenBook Air 13</td><td>Intel i5</td><td>Intel Iris</td><td>16GB</td><td>512GB</td><td>13.3" FHD</td><td>1.1 kg</td><td>\$999</td></tr>  
97<tr><td>Pulse 15 Gaming</td><td>Ryzen 7</td><td>RTX 4060</td><td>16GB</td><td>1TB</td><td>15.6" 144Hz</td><td>2.2 kg</td><td>\$1,399</td></tr>  
98<tr><td>Creator Pro 16</td><td>Intel i7</td><td>RTX 4050</td><td>32GB</td><td>1TB</td><td>16" 4K OLED</td><td>1.9 kg</td><td>\$1,899</td></tr>  
99<tr><td>WorkMate 17</td><td>Intel i9</td><td>RTX A2000</td><td>64GB</td><td>2TB</td><td>17" QD</td><td>2.6 kg</td><td>\$2,499</td></tr>  
100</tbody>  
101</table>  
102<div>  
103</div>  
104<!-- Contact form (pure HTML) -->  
105<section id="contact" aria-labelledby="contact-heading">  
106<h3>Contact-heading<Contact & Support</h3>  
107<form>  
108<div>  
109<p>  
110<label for="name">Name</label><br>  
111<input id="name" name="name" type="text" required>  
112</p>  
113<p>  
114<label for="email">Email</label><br>  
115<input id="email" name="email" type="email" required>  
116</p>  
117<p>  
118<label for="msg">Message</label><br>  
119<textarea id="msg" name="message" rows="5" cols="30" required></textarea>  
120</p>  
121<button type="submit">Send</button>  
122</form>  
123</section>  
124</main>  
125<div>  
126</div>  
127<div>  
128<p>© 2025 ZenByte Laptops</p>  
129</div>  
130</body>  
131</html>  
132

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Output:



127.0.0.1:5500/Example/Html.html

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Creator Pro 16

Intel i7 • 32GB • 1TB • 16" 4K OLED • 1.9 kg

Price: \$1,899

[Details](#) | [Add to Cart](#)

WorkMate 17

Intel i9 • RTX A2000 • 64GB • 2TB • 17" QHD • 2.6 kg

Price: \$2,499

[Details](#) | [Add to Cart](#)

Quick Compare

Model	CPU	GPU	RAM	Storage	Screen	Weight	Price
ZenBook Air 13	Intel i5	Intel Iris	16GB	512GB	13.3" FHD	1.1 kg	\$999
Pulse 15 Gaming	Ryzen 7	RTX 4060	16GB	1TB	15.6" 144Hz	2.2 kg	\$1,399
Creator Pro 16	Intel i7	RTX 4050	32GB	1TB	16" 4K OLED	1.9 kg	\$1,899
WorkMate 17	Intel i9	RTX A2000	64GB	2TB	17" QHD	2.6 kg	\$2,499

Contact & Support

Name:

Email:

Message:

Send

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