
HTML 101

What is HTML

Hyper Text Markup Language

From this:

Welcome! We hope you enjoy your stay
Packing List clothes shoes shaving kit
chargers Check-in early check-in is noon
regular check-in is 2pm check-in online

To this:

Welcome!

We hope you enjoy your stay

Packing List

- clothes
- shoes
- shaving kit
- chargers

Check-in

- early check-in is noon
 - regular check-in is 2pm
 - [check-in online](#)
-

But it's not pretty!

That's CSS's job

But it doesn't do anything cool!

That's JavaScript's job

Tools

Text editor (not Word!!)

Browser

Validator

Accessibility tester

*Host for the WWW

Basic structure

Doctype

HTML

Head

Body

Building blocks

elements (tags)

- `<p>`
- Over 100!!

attributes

- `alt="yada yada"`

text

Block-level elements

takes up space (a block)

i.e. <p>, <div>, <h1>

Inline elements

acts like a word

i.e. <a>, , <button>

sometimes self-closing

- i.e. <input />
-

Nesting tags

Not everything can nest

(almost) No blocks inside inlines

```
<html>
```

Must have lang attribute

<head>

<meta>

<title>

<link>

<style> ?

- NO!

<script> ?

- in the foot
-

<body>

Tags

Text

Semantics

The meaning

Right tag for the right job

Don't use

- `<i>`
- ``
- `<u>`
- `<hr />`
- `
`
- `<small>`

Headings <h1>...<h6>

Keep the order

Is it a heading?

Paragraphs <p>

Don't use <div>

Don't use
 (EVER!)

Lists

ordered

unordered

list item

Images ``

Must have src attribute

Must have alt attribute

No text

Links <a>

Must have href attribute

go somewhere

- external
- internal

download a file

Buttons <button>

Must have type attribute

- submit
- reset
- button

do something

Division <div>

groups block-level elements

format with css

Advanced markup

<table>

<form>

<video>

sectioning

- <main>
 - <article>
 - <section>
 - <nav>
 - <aside>
 - ...
-