👋 **Welcome to day 2** 👋

With as many colors as you can get from your monitor
Warning some pages will take too long to load

Next Site

AGENDA

1. What is HTML?
2. What can it do?
3. Building our first webpage

The brief

6 weeks

Create a 90s inspired website about your favorite thing from the 90s (clothing, song, person whatever)

Create a basic website with HTML and some CSS

FRIDAY PRESENTATIONS
Max 2 min/person
Demo of your first web page

🔁 **Quick recap** 🔁

SUMMARY

HTML = The Structure

CSS = The Styling

JS = The interactivity

HTML

LONG ACRONYM

HyperText Markup Language

What the hell is hypertext?

"Hypertext is text displayed on a computer display or other electronic devices with references (hyperlinks) to other text that the reader can immediately access"

- **Source of absolute truth (Wikipedia)**

HYPERTEXT

Text + links + media + forms

You're saying I don't have to get up from my chair?

- Everyone ever

Shared way of connecting documents through the internet

THE WEB

URL = Where
Uniform Resource Locator

HTTP = How
HyperText Transfer Protocol

HTML = What
HyperText Markup Language
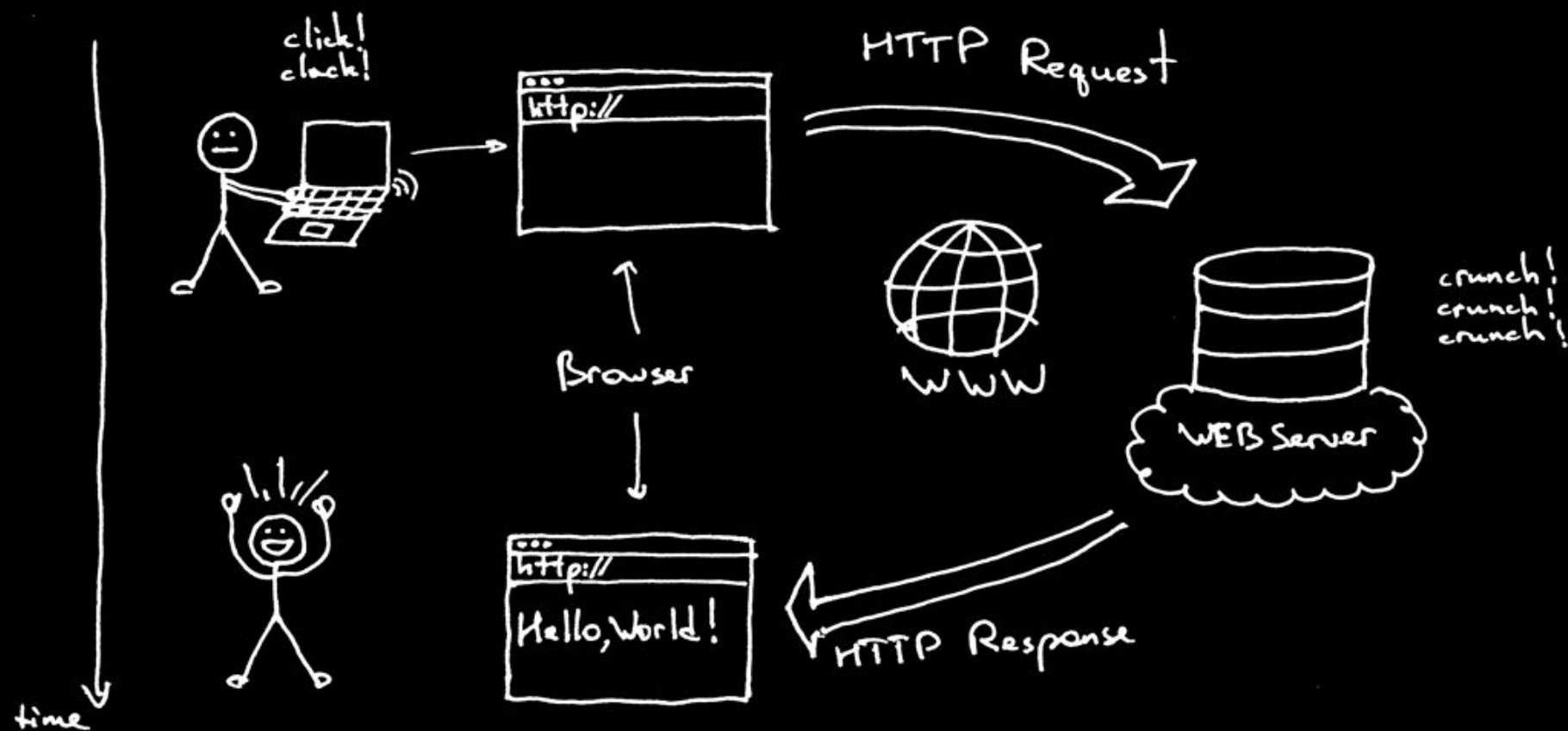
The floorplan

Marking where content goes

(and how it's connected)

RAW
CONTENT

`<h1>` `</h1>`
`<p>`
`</p>`
`<p>`
`</p>`

HTML
MARKUP

YOU

BROWSER

WEB PAGE
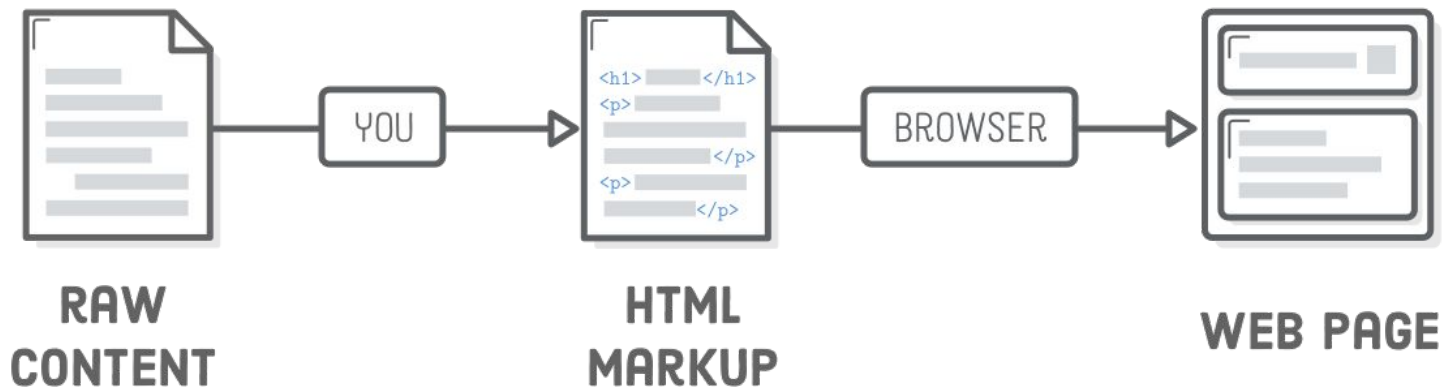
STRUCTURE OF

A HTML page

```html
<!DOCTYPE html>
<html>
  <head>
    <!-- Metadata goes here -->
  </head>
  <body>
    <!-- Content goes here -->
  </body>
</html>
```

"OPENING TAG"   "CLOSING TAG"

<HTML>   **</HTML>**

HTML

"ELEMENT"

✨ Let's create our first web page!!! ✨

HTML = Text semantics

WEATHER REPORT

OFFICIAL FORECASTS

"The Press" Special Service

WELLINGTON, January 19.
The weather forecast for Canterbury issued at 5 p.m. by the Meteorological Office, Wellington, and dealing with the 24 hours following the time of issue.

Situation: a ridge of high pressure extends across New Zealand. Forecast: moderate variable winds; cloudy skies in the morning, with some local streaks and fog again later, with warm temperatures inland. Outlook for Thursday: mainly fair.

The following is the forecast for the West Coast of the South Island:—

Some further showers in the south, but weather otherwise fair to cloudy, with moderate temperatures and light winds. Outlook for Thursday: mainly fair.

CHRISTCHURCH WEATHER

The weather in Christchurch yesterday was fine and warm, with a light wind from the north-east.

At midnight the sky was overcast and there was a very light southerly wind. The temperature was 57.7 degrees and the barometer, at 29.85 inches (1011.5 millibars) was steady.

Rainfall for 24 hours ended 1 a.m.: nil.

Observations taken at the Meteorological Station, Harewood:—

	a.m.	p.m.	mid'ht
Barometer (inches)	29.92	29.85	29.85
(millibars)	1011.3	1011.3	Steady

SUNSHINE

	h.	m.
Yesterday		
1951, 1952, 1953, 1954		
Jan.		

SUN, MOON, AND TIDES

Sun—Today's Rises, 5.13 a.m.; sets, 8.8 p.m.
Tomorrow: Rises, 5.13 a.m.; sets, 8.8 p.m.

High water at Lyttelton—Today, 3.6 a.m. and 3.30 p.m.; tomorrow, 4.2 a.m. and 5.30 p.m.

Phase of Moon:—

The Press

A Royal Day

During the long hours of their public engagements yesterday the Royal visitors would be in no doubt about the warmth of Christchurch's welcome. Throughout the day the citizens of Christchurch—and the thousands from the surrounding districts who came to the city for the day and the occasion—shed restraint and with cheers and smiles showed how pleased they were to have the Queen and the Duke of Edinburgh with them. Behind the people's outward expressions were profound feelings. There was deep and abiding gratitude for a visit that brought the Sovereign and her Consort to Christchurch. And there was a new sense of the link between Crown and people. Certainly, no-one among the thousands who sang "God Save Our Gracious Queen" in Cathedral square yesterday morning will ever sing the words again without appreciating their full significance, or the fact that they sang them, once, in the presence of the Queen herself.

The people in Christchurch yesterday were blessed by truly royal weather for a Royal day. That helped people of all ages—especially the very old and the very young—to enjoy to the full a day that will ever be remembered. Every citizen will have his or her particular memories of the day. Whether they saw her at the civic reception, at the hospital, on the drive through the streets, at Riccarton, at Evensong at the Cathedral, or at the civic dinner, their impression of the Queen's grace, charm, and loveliness will be an abiding memory. In his happy role as the Queen's husband, and in his more difficult role as the Queen's Consort, the Duke of Edinburgh has won higher admiration and deeper respect with the closer acquaintance. Already the Christchurch visit has achieved its main objective of establishing a personal relationship between the people and the Queen and Duke of Edinburgh.

The Queen and the Duke of Edinburgh have two more full days—today and tomorrow—to spend in Christchurch. After that, it is pleasing to think that they will spend a few days of rest and relaxation in the countryside of Canterbury. Both the remaining days in Christchurch are full of scheduled engagements that

---

General News

"World's Greatest Film Star"

The Queen is the "greatest film star in the world," according to Mr Murray Silverstone, president of 20th Century-Fox International and the Inter-America Film Corporations, who is visiting Wellington. The Coronation film, "A Queen is Crowned," was a fantastic success everywhere, he said. It brought great prestige to the industry. There was one little scene that was an absolute sensation in America," he added. "In Westminster Abbey, when Her Majesty kissed the Duke of Edinburgh, she looked at him not as Queen to her subject but as a woman to her husband—the greatest relationship of all."—(P.A.)

Police and Children

Everywhere along the routes of the Royal drives in Christchurch the police have taken particular care to see that children are brought to the front of the crowds so that they may have a good view and run no risk of being crushed. It was a usual sight yesterday to see boys and girls being handed over the shoulders of adults and into the arms of a constable or sergeant who stood them inside the barriers.

Flavoured Milk Deliveries

Chocolate-flavoured milk may be delivered to Wellington householders if the Wellington City Council gives its approval. Amendments to the food regulations announced recently have set the standards of flavoured milk and have made its manufacture by the Wellington Milk Department possible in principle. But the Council must decide whether the supply of flavoured milk, such as chocolate milk and coffee milk, is a paying proposition. In Palmerston North, where the Government milk treatment station has produced chocolate-flavoured milk for the last two or three months, pint bottles sell at 6d each. Vendors sell 80 gallons a day of this type of milk.—(P.A.)

Everest Lecturers in U.S.

Sir Edmund Hillary and Messrs George Lowe and Charles Evans, members of the British expedition which conquered Everest last year, are to give illustrated lectures in New York on January 28 and 30. The lectures, which will open a tour of the United States, are under the sponsorship of the American Geographical Society and the American Alpine Club. The lecturers will make a six weeks' tour of the United States and Canada. The proceeds will go to the Everest Trust—a fund set up by the Joint Himalayan Committee to further mountain exploration and research.—New York, January 19.

Sailors to be Guests at Race Meeting

Members of the crew of H.M.N.S. Black Prince, which has been escorting the Queen during the Royal tour will be admitted to the course free of charge when the New Zealand Metropolitan Trotting Club holds its Royal meeting tomorrow. This was announced last evening by the president of the club (Mr C. E. Hoy).

Fire Taken in Tow

The Imperial Chemical Industries' vessel, Fort, which broke her tail-shaft on Friday about 500 miles north of Cape Town, was taken in tow at 12.40 p.m. yesterday by the Tasman Shipping Company's freighter, Viti. The tow was reported last night to be proceeding steadily although the sea was confused and a swell was running.

THE QUEEN IN CHRISTCHURCH

THOUSANDS SHOW THEIR LOYALTY

Tremendous Crowds On Route Of Drive

All receptions given in New Zealand were capped yesterday afternoon in Christchurch when Her Majesty Queen Elizabeth and His Royal Highness the Duke of Edinburgh made a ceremonial drive of nearly eight miles. The biggest crowd ever seen in Christchurch paid them tributes which no other Royal personages have ever been given.

Perfect weather—a light easterly and a sunny, cloudless day—helped to realise the expectation long held by the Royal tour organisers that the Christchurch ceremonial drive would be the outstanding event on the New Zealand programme.

Perhaps 150,000 saw the Queen. They were not only residents—babies, children, young people and adults—of Christchurch, but people who had come from north, south and west by rail, bus and car to join in a truly magnificent greeting to Her Majesty.

Tuesday, January 19, 1954, is now established as the most exciting and wonderful day that the province of Canterbury has ever seen. And the city of Christchurch and the districts of North Canterbury which sent their thousands into the city to join Christchurch residents in their acclamation of the Queen and the Duke may well claim that they carried out their gestures of loyalty and respect with dignity, with exuberant enthusiasm and with great joy to themselves. In doing so, they gave the Royal visitors also great pleasure.

Fewer more strenuous days have been spent by the Queen and the Duke since their arrival in New Zealand. Perhaps the programme was a little too demanding. It opened in the morning with a civic reception, followed immediately by a walking tour of the Christchurch Public Hospital, then the long ceremonial drive to Riccarton, an even longer drive back to the city, worship at Evensong in the Christchurch Cathedral and, to end a heavy day, a civic banquet on a grand scale.

To crown a succession of appearances which thrilled the people, Her Majesty, a gleaming figure, to use the Churchillian phrase, in full evening dress, sparkling tiara and diamonds, drove majestically to dine with the Mayor, councillors and burgesses of Christchurch at Beath's restaurant. Her personality sparkled like her jewels.

CHRISTCHURCH SIDELIGHTS

Along The Route And In The Crowd

Box Seat—"Hi, lady, you are in the front row, you don't want to do that," said a man in a back row as a woman prepared to stand on a box on which she had been sitting until just before the Royal procession was due to pass. As the woman persistent with her intention to stand on her box, the man was moved to add: "No, you won't blot out my view completely." The woman turned, gave a sweet smile and said: "You might have thought of that before"—and mounted her box.

*   *   *

Keeping to Schedule.—The visit of the Queen and the Duke of Edinburgh to the Disabled Servicemen's Re-establishment Centre was run strictly according to schedule. To ensure that too much time was not spent in the rooms, a small clock was mounted in a conspicuous position in each room. Underneath in large type was pasted the scheduled time of departure from that department.

*   *   *

Made of Address.—The Duke of Edinburgh on one occasion in the North Island was addressed by a startled girl as "Philip." When he questioned a man in Christchurch about his work yesterday he received an explanation prefaced by the words, "Well, Duke."

*   *   *

Presented Twice.—Canterbury members of Parliament—who had already been presented to the Queen and the Duke of Edinburgh in Wellington—were given seats on the dais at the civic reception in Cathedral square yesterday, but were not presented. One local member of Parliament—besides the Mayor (Mr R. M. Macfarlane, M.P.)—was presented a second time, however. Miss M. B. Howard, whose name did not appear on the official list of those to be presented, was among the city councillors presented by the Mayor.

*   *   *

"Wound Stripe" for Mayor.—As he bent over to pick up the casket containing the inkstand for the Queen, the Mayor (Mr R. M. Macfarlane, M.P.) did not notice that the Town Clerk (Mr H. J. Petsch) had already lifted it from the floor of the dais on which the official party and the guests were seated at the civic reception. Mr Macfarlane's head struck the casket, a corner of it opened a small cut on his forehead, and the cut started to bleed. "Give him a wound stripe for wounds received at a civic reception," said the Duke of Edinburgh. "Being treated now?" the Duke asked Mr Macfarlane later at the Christchurch Hospital (where Mrs Macfarlane is a board member). The Mayor, by this time, had slight scars above and below his left eye.

CIVIC DINNER FOR QUEEN

Attendance Of 300 Guests

In all her majesty, Queen Elizabeth, gloriously gowned and richly bejewelled, travelled through the warm streets of Christchurch last evening to dine with the Mayor, councillors and leading members of the city and the representative local bodies in North Canterbury.

A quarter of an hour before the Majesty and the Duke of Edinburgh were due to arrive at Beath's restaurant, 300 guests stood at their tables in the stately room and gold pillared room, beautifully decorated with flowers and with tables elegantly set.

A roar from Cashel street signalled the arrival of the Queen and the Duke of Edinburgh, and a minute later the Queen entered the room, chatting to the Mayor (Mr R. M. Macfarlane, M.P.). Accompanied by the room, commanded to appear at the top table, they moved to the far end of the room and then along into their places. The orchestra accompanied the guests in the singing, at a given signal, of the National Anthem.

The Queen wore a lovely frock of white organdie, embroidered in pale pink and green in scattered design and mounted on pale pink. The skirt was very full, and the decolletage outlined with the softly tinted embroidery. She wore a stole to match, a diamond tiara, diamond and pearl drop earrings and a diamond necklace. She carried a white bag shimmering with diamonds.

Lady Pamela Mountbatten wore a frock of blue tulle studded with sequins and mounted on taffeta. Lady Alice Egerton wore printed organza in leaf design and autumn shades. Both she and Lady Pamela Mountbatten wore small tiaras.

Mrs Macfarlane wore a frock of red brocade shot with black and lightly woven with gold thread. The plain bodice had a draped berthe in which were placed two red roses, and big tucks across the front of the skirt carried the fullness to the back. She wore a full skirt, ruffed decolletage and wide shoulder straps. Mrs Feast wore a frock of grey lace mounted on mushroom pink satin with the neckline being outlined with a full draped panel of tucks from the right shoulder to the left side where it fell to the hem of the skirt.

Amongst the guests were the prominent members of the City Council. Mrs T. Grema wore a dress of black taffeta, shot with fuchsia and rose with a softly draped panel of tucks from the right shoulder to the left side where it fell to the hem of the skirt.

TEXT SEMANTICS

Headers
Paragraphs
Emphasis (italic)
Strong (bold)
Lists

Structure vs. presentation
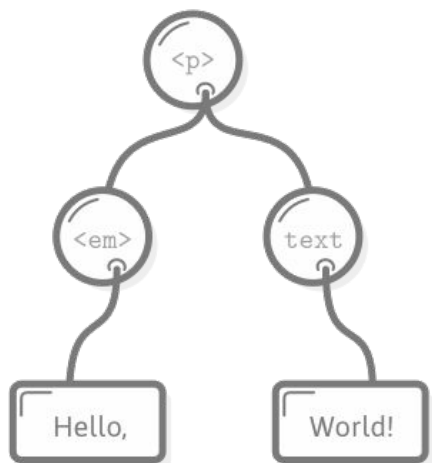
HTML

(STRUCTURE)
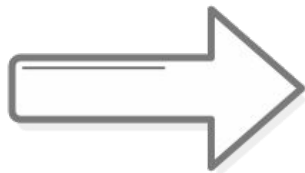
CSS

(PRESENTATION)

HTML = Links

It's called surfing the web after all...

LINK

WEB PAGE

OTHER
WEB PAGE
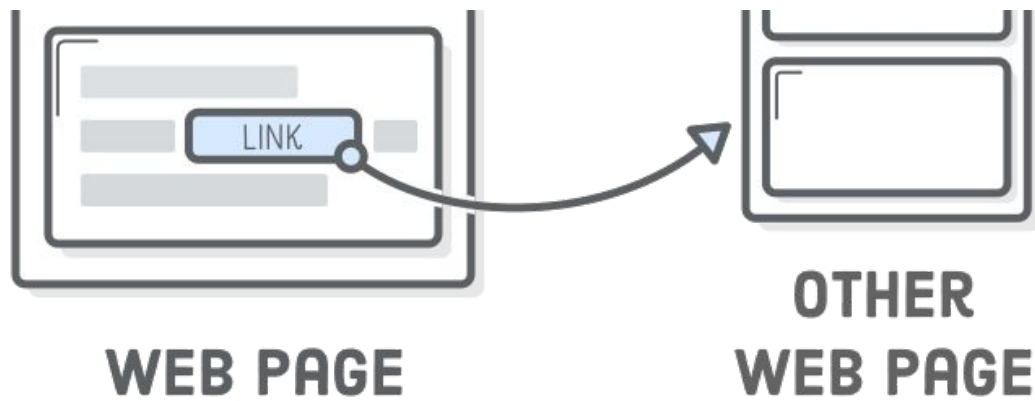
The URL address to link to

```
<a href="...">A link</a>
```

The content displayed

Attribute name

Attribute value

```
<a href="...">A link</a>
```

TWO TYPES OF LINKS
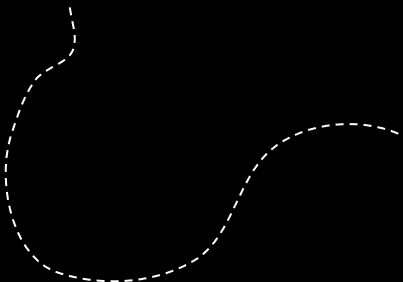
Absolute vs. relative

Absolute URL

```
<a href="http://google.com">A link</a>
```

```html
<a href="otherpage.html">A link</a>
```

Relative URL

HTML = Media

Images

```
<img src="...">
```

ELEMENTS WITHOUT CONTENT

Self-closing tags

Absolute URL

```html
<img src="http://example.com/image.jpg">
```

```
<img src="image.jpg">
```
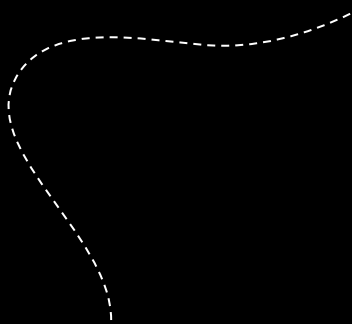
Relative URL

Audio and video

```
<audio src="song.mp3"></audio>


<video src="video.mp4"></video>
```

HTML = Forms

TEXT INPUT

Some text input

RADIO BUTTONS

○ Option One

● Option Two

DROPDOWN MENU

Option One ▼

TEXTAREA

Lots of text input. Magnis sit ultricies scelerisque vitae consectetur montes taciti elit. A sapien in suspendisse mauris sem posuere dapibus.

CHECKBOXES

☑ Option One

☐ Option Two

☑ Option Three

BUTTON

Submit

FORM ELEMENTS

(FRONTEND HTML & CSS)
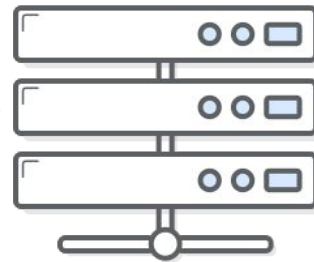
FORM PROCESSING

(BACKEND SERVER)

Inputs

```html
<form>
    <label for="email">Email:</label>
    <input name="email" id="email" type="text">
</form>
```

Buttons

```html
<button>Click me</button>
```

OTHER FORM ELEMENTS

Textarea

Radio buttons

Checkboxes

File uploads

More on forms **later...**

HTML = Structure

Semantic elements

```
<article>
<aside>
<details>
<figcaption>
<figure>
<footer>
<header>
<main>
<mark>
<nav>
<section>
<summary>
<time>
```

`<article>`

OTHER HTML

‹ARTICLE›

OTHER HTML

YOUR WEB PAGE

FLIPBOARD

SEARCH ENGINES

OTHER WEBSITES
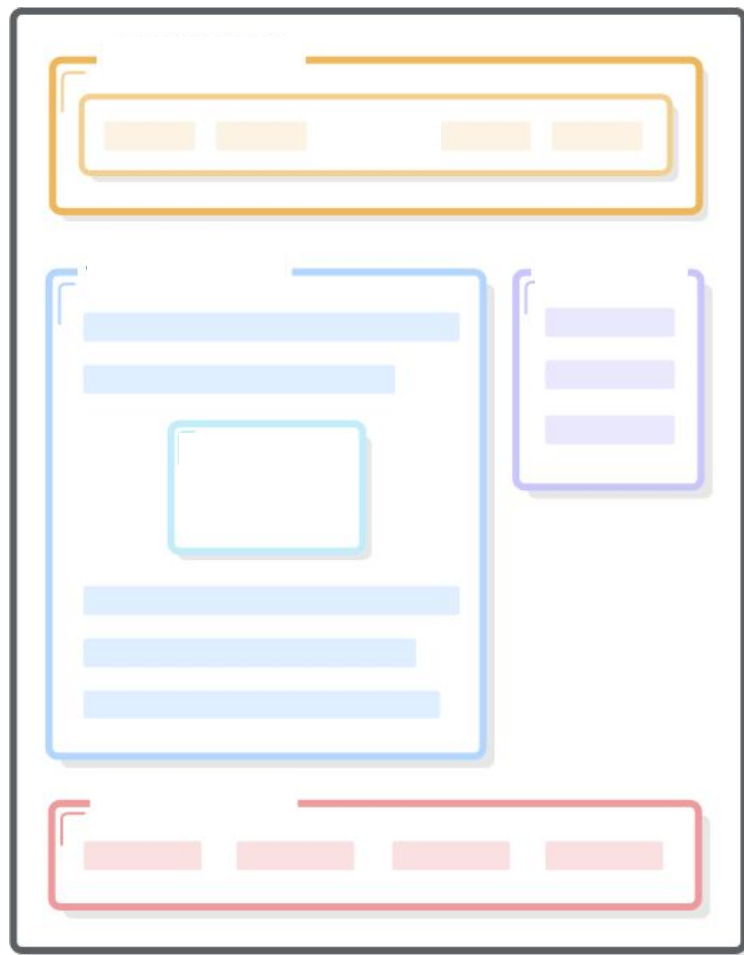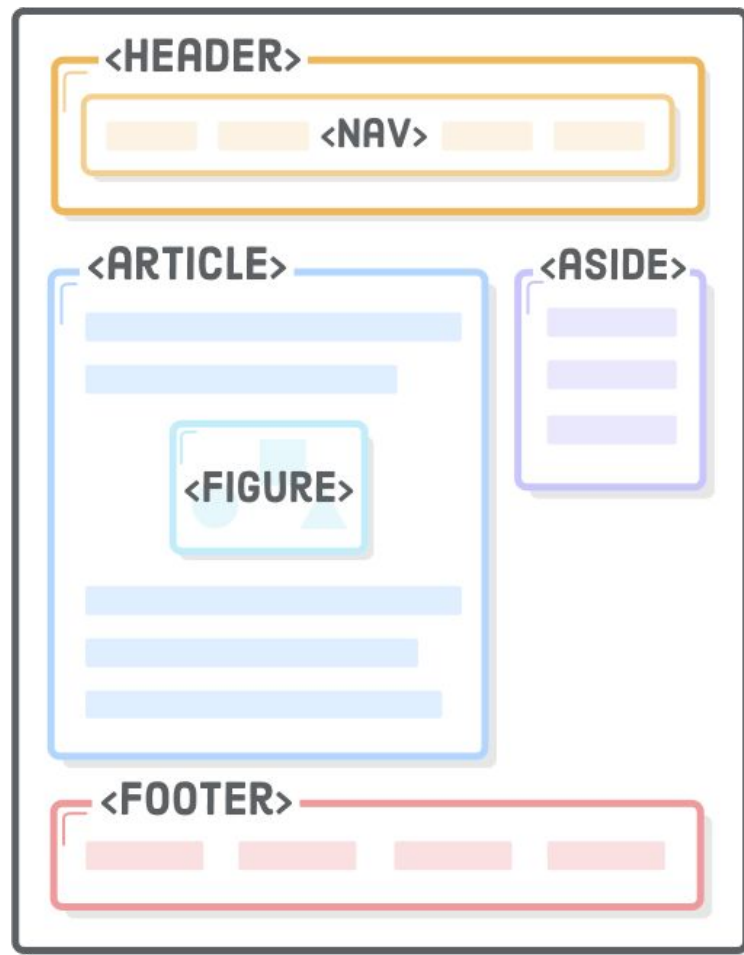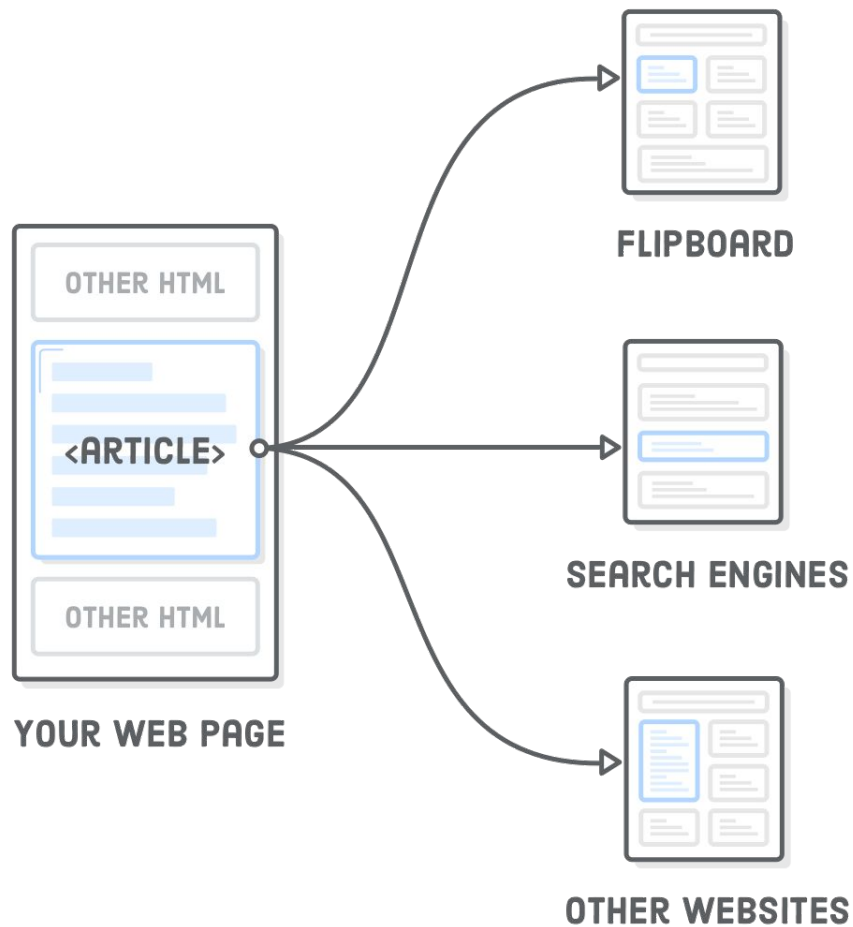
```html
<article>

    <h1>Learning HTML is great</h1>

    <p>

        So stop reading this useless

        placeholder text and learn some HTML instead

    </p>

</article>
```

`<section>`

OTHER HTML

<ARTICLE>

<SECTION> ✖

OTHER HTML

YOUR WEB PAGE

FLIPBOARD

SEARCH ENGINES

OTHER WEBSITES

`<nav>`

<header>

<footer>
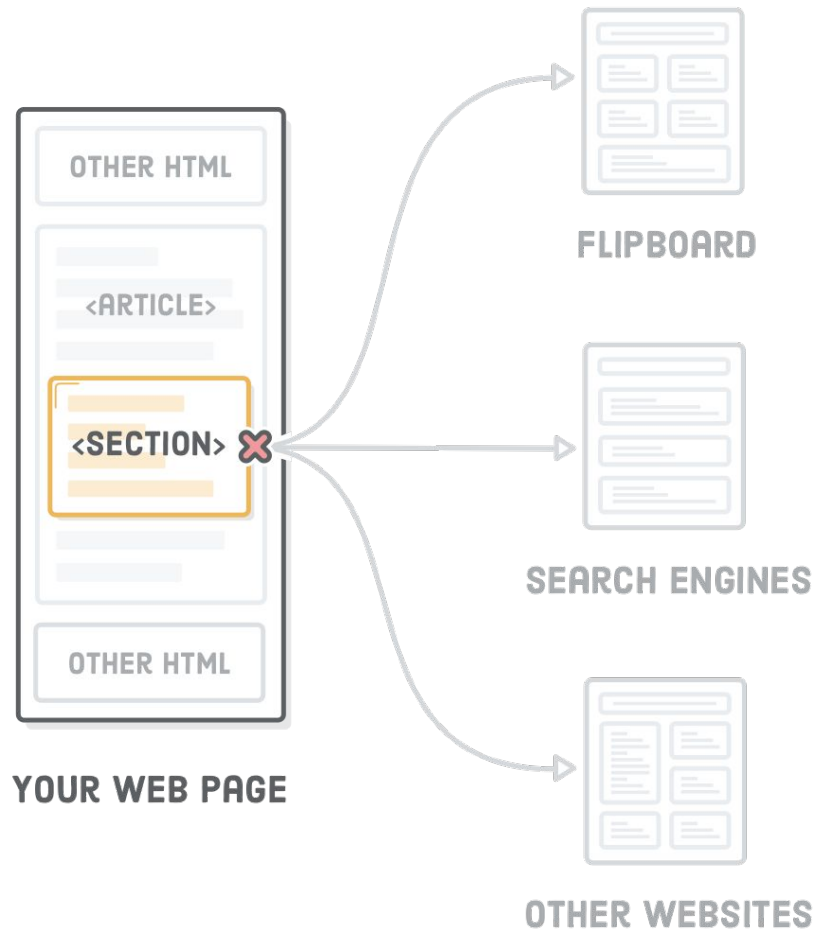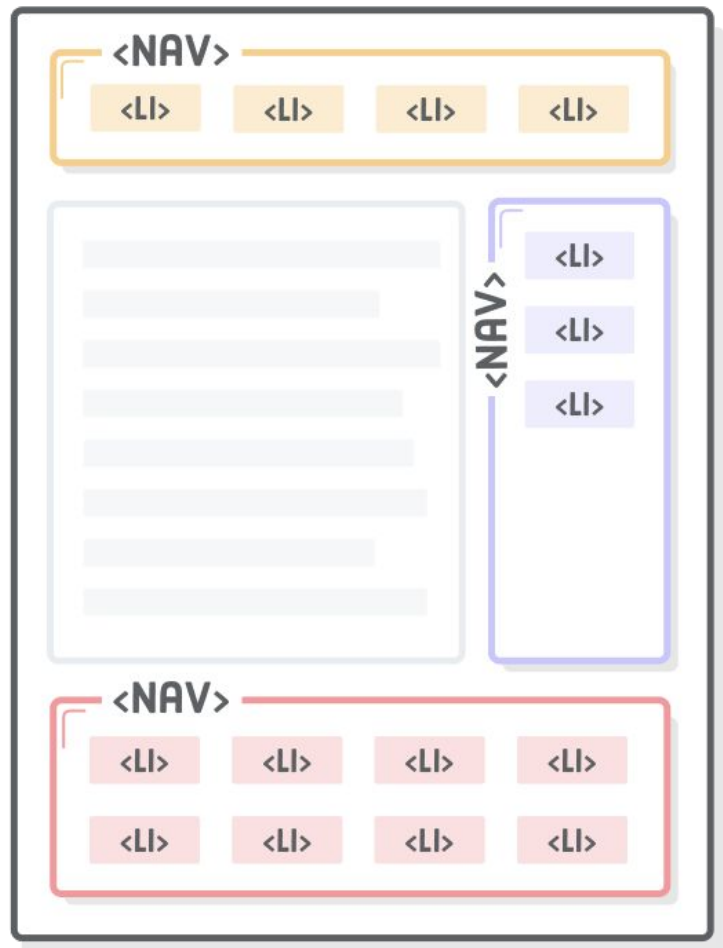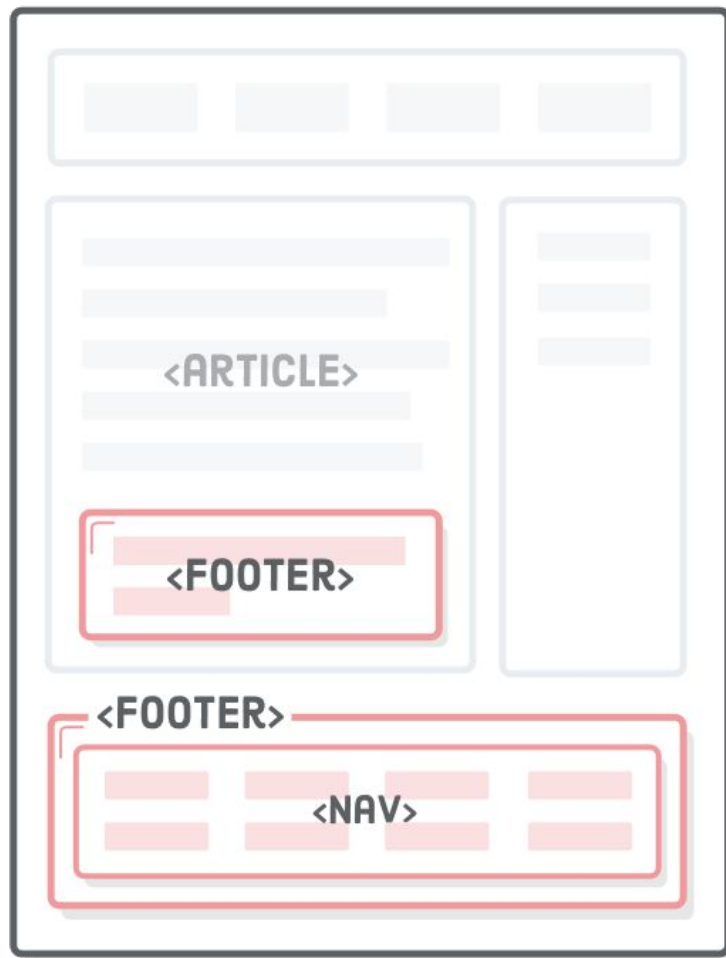
BUT WHAT IF

❌ **I pick the wrong one?** ❌

🐥 **Nothing happens** 🐥

BUT WHAT IF

🤔 It's hard to choose? 🤔

GOOD OL

<div> and <span>

(for when you just need to style something)

EXERCISES

- **Add a GIF image from your computer**
- **Put an image in a subfolder called "images"**
- **Add a link that opens up in a new window**
- **Add a video that loops**
- **Embed a video from YouTube**
- **Add an audio player**
- **Add nested ordered list**

Web, images, news, and lots of answers.

Search here...

Search

"How do I put an image in a subfolder called images?"

🔍 **Identify the right keywords** 🔍

"Image src subfolder html"

READING

Basic web pages
Links and images

BONUS

Semantic HTML
MDN HTML Introduction

OR...

Build on your website