WELCOME TO FRONT-END WEB DEVELOPMENT

Please sit next to a different classmate
and write your name on your name tag.

Wi-fi: GA-Guest
pw: yellowpencil

LESSON 03
INTRO TO CSS
RECAP

Intro to CSS

CSS (Cascading Style Sheets) is a **style sheet language** used for describing the **presentation** of an HTML document

Anatomy of a CSS rule

CSS has a syntax that differs from anything we've seen up until now in HTML.

A CSS rule is comprised of:

- a **selector** that identifies an element or set of elements
- one or many **declarations** that define the styles being applied
- each declaration consists of a **property** followed by a **value**

Applying CSS

There are three ways to apply CSS to HTML

Inline

```
<p style="color: red">text</p>
```

Internal

```
<head>
  …
  <style>
    p { color: red; }
    a { color: blue; }
  </style>
  …
</head>
```

External

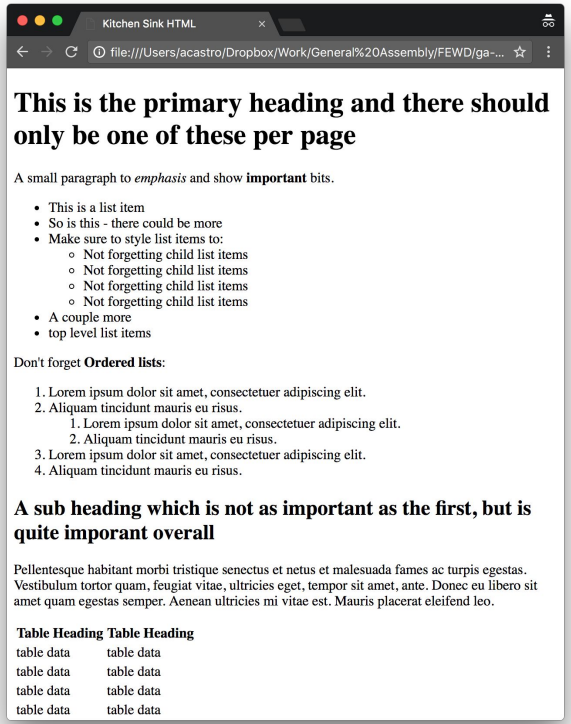
```
<head>
  …
  <link rel="stylesheet"
href="style.css">
  …
</head>
```

CSS

LESSON 04
BOX MODEL
& LAYOUT

CSS Reset and Normalize

Default rendering



This is the primary heading and there should only be one of these per page

A small paragraph to *emphasis* and show **important** bits.

- This is a list item
- So is this - there could be more
- Make sure to style list items to:
  - Not forgetting child list items
  - Not forgetting child list items
  - Not forgetting child list items
  - Not forgetting child list items
- A couple more
- top level list items

Don't forget **Ordered lists**:

1. Lorem ipsum dolor sit amet, consectetuer adipiscing elit.
2. Aliquam tincidunt mauris eu risus.
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A sub heading which is not as important as the first, but is quite imporant overall

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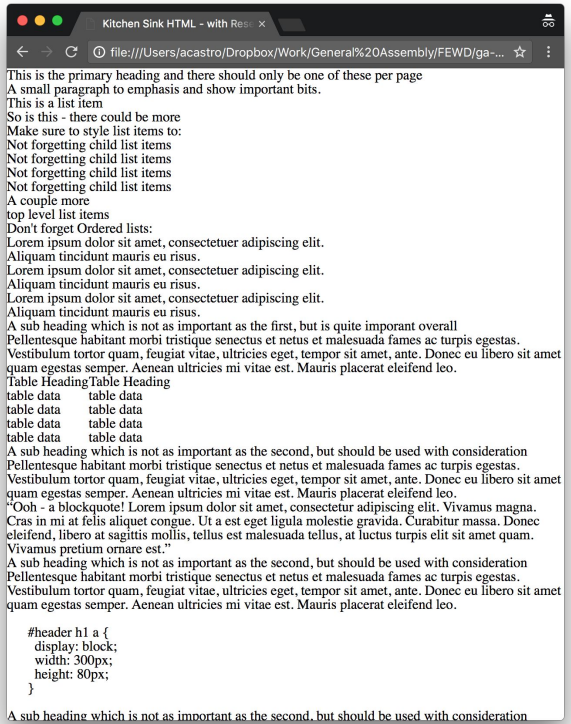
table data	table data

With reset.css



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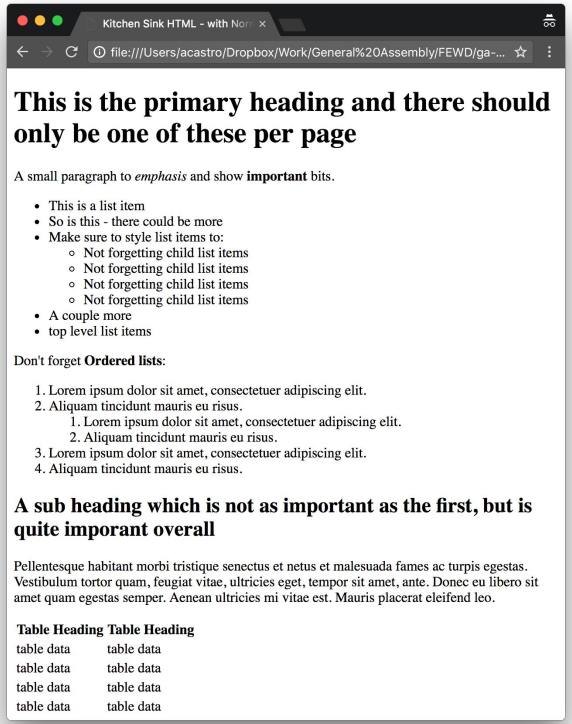
```
#header h1 a {
  display: block;
  width: 300px;
  height: 80px;
}
```

A sub heading which is not as important as the second, but should be used with consideration

With normalize.css



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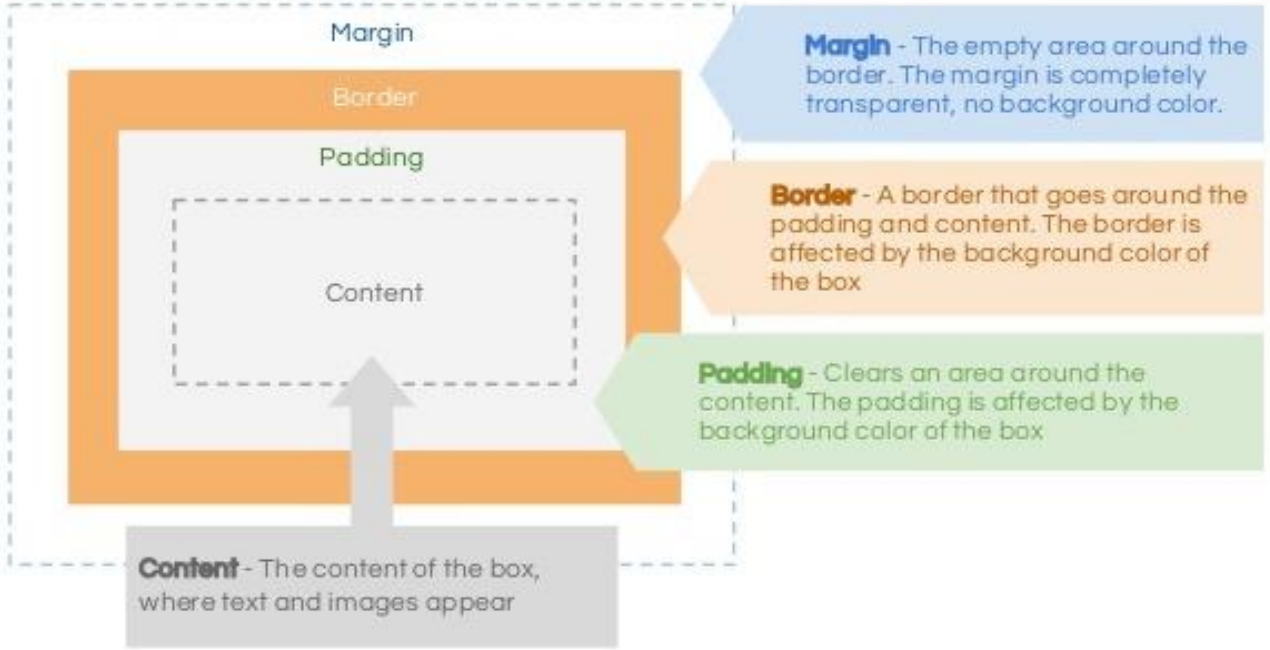
What does an HTML element and an ogre have in common?

CSS Box Model

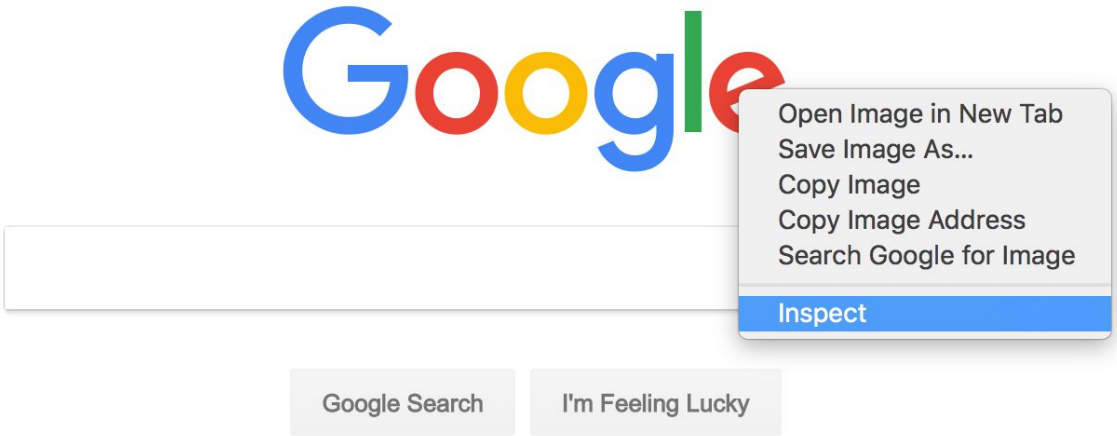
In an HTML document, each element is represented as a rectangular box, with the box's content, padding, border, and margin built up around one another **like the layers of an onion**.



Width and Height Calculations

Width	**Height**
width	height
+	+
padding-left	padding-top
+	+
padding-right	padding-bottom
+	+
border-left	border-top
+	+
border-right	border-bottom

Introducing the Developer Tools' Inspector



Classes & ID

Useful for:

- Classes and IDs are **selectors**
- id is used to define **one unique element**
- Classes can define more than one element

```
/* ID */
#main-content {
  color: black;
}

/* class *
.messages {
  color: red;
}
```

CSS Selectors – Basic

Selector	Description	Example
`element`	**Type** selector. Matches an element.	`p { color: red }` `/* matches paragraphs */`
`.class`	**Class** selector. Matches the value of a class attribute.	`.warning { color: red }` `/* matches elements containing class="warning" */`
`#id`	**ID** selector. Matches the value of an id attribute.	`#warning { color: red }` `/* matches elements containing id="warning" */`
`*`	**Universal** selector. Matches everything.	`* { color: red }` `/* matches everything */`

CSS Selectors – Combinators

Selector	Description	Example
`selector selector`	**Descendant** combinator. Matches elements that are descendants of another element.	`aside p { color: red }` `/* matches paragraphs inside elements containing class="warning" */`
`selector > selector`	**Child** combinator. Matches elements that are children of another element.	`.warning > p { color: red }` `/* matches paragraphs that are children of elements containing class="warning" */`
`selector + selector`	**Adjacent sibling** combinator. Matches elements that immediately follow another element.	`h1 + * { color: red }` `/* matches the first element to follow a top-level heading */`
`selector ~ selector`	**General sibling** combinator. Matches elements that follow another element.	`h2 ~ p { color: red }` `/* matches every paragraph that follows a second-level heading */`