

# Intro to HTML

## Structure

- Body
- Head
- Title

## Text

- Headings
- Paragraphs
- Bold
- Italic
- Superscript and Subscript
- Line Breaks
- Horizontal Rules
- Strong
- Emphasis
- Quotations

## Lists

- Ordered Lists
- Unordered Lists
- Definition Lists

# HTML Structure

Basic HTML Webpage

HTML Terms  
Elements  
Tags

HTML Coding  
Body  
Head  
Title

# Basic HTML Webpage

---

## **This is the Main Heading**

This text might be an introduction to the rest of the page. And if the page is a long one it might be split up into several sub-headings.

### **This is a Sub-Heading**

Many long articles have sub-headings to help you follow the structure of what is being written.

### **Another Sub-Heading**

Here you can see another sub-heading.

# Basic HTML Webpage / HTML Code

---

## This is the Main Heading

This text might be an introduction to the rest of the page. And if the page is a long one it might be split up into several sub-headings.

### This is a Sub-Heading

Many long articles have sub-headings to help you follow the structure of what is being written.

### Another Sub-Heading

Here you can see another sub-heading.

```
<html>
  <body>
    <h1>This is the Main Heading</
h1>
    <p>This text might be an introduc-
tion to the rest of the page. And if the page is a
    long one it might be split
up into several sub-headings.<p>
    <h2>This is a Sub-Heading</h2>
    <p>Many long articles have sub-
headings so to help you follow the structure of
what
    is being written. There may
even be sub-sub-headings (or lower-level head-
ings).
    </p>
    <h2>Another Sub-Heading</h2>
    <p>Here you can see another sub-
heading.</p>
  </body>
</html>
```

# HTML Structure

---

```
<html>
  <body>
    <h1>This is the Main Heading</h1>
    <p>This text might be an introduction to the rest of the page. And if the page is a
      long one it might be split up into several sub-headings.</p>
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    <p>Many long articles have sub-headings so to help you follow the structure of what
      is being written. There may even be sub-sub-headings (or lower-level headings).
    </p>
    <h2>Another Sub-Heading</h2>
    <p>Here you can see another sub-heading.</p>
  </body>
</html>
```

# Elements & Tags

---

HTML Documents are defined by **elements**. Elements are usually made up of two **tags**: an opening `< >` and a closing tag `</ >`

```
<h1>This is the Main Heading</h1>
```

An **HTML element** is everything from the opening tag to the closing tag.

Each HTML element tells the browser something about the information that sits between its opening and closing tags.

# HTML Structure

---

```
<html>
```

```
  <body>
```

```
    <h1>This is the Main Heading</h1>
```

```
    <p>This text might be an introduction to the rest of the page. And if the page is a  
      long one it might be split up into several sub-headings.</p>
```

```
    <h2>This is a Sub-Heading</h2>
```

```
    <p>Many long articles have sub-headings so to help you follow the structure of what  
      is being written. There may even be sub-sub-headings (or lower-level headings).
```

```
  </p>
```

```
    <h2>Another Sub-Heading</h2>
```

```
    <p>Here you can see another sub-heading.</p>
```

```
  </body>
```

```
</html>
```

# HTML Structure

---

```
<html>
```

```
  <body>
```

```
    <h1>This is the Main Heading</h1>
```

```
    <p>This text might be an introduction to the rest of the page. And if the page is a  
      long one it might be split up into several sub-headings.</p>
```

```
    <h2>This is a Sub-Heading</h2>
```

```
    <p>Many long articles have sub-headings so to help you follow the structure of what  
      is being written. There may even be sub-sub-headings (or lower-level headings).
```

```
  </p>
```

```
    <h2>Another Sub-Heading</h2>
```

```
    <p>Here you can see another sub-heading.</p>
```

```
  </body>
```

```
</html>
```

# HTML Structure

---

```
<html>
  <body>
    <h1>This is the Main Heading</h1>
    <p>This text might be an introduction to the rest of the page. And if the page is a
      long one it might be split up into several sub-headings.</p>
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    <p>Many long articles have sub-headings so to help you follow the structure of what
      is being written. There may even be sub-sub-headings (or lower-level headings).
    </p>
    <h2>Another Sub-Heading</h2>
    <p>Here you can see another sub-heading.</p>
  </body>
</html>
```

# Body, Head, & Title

---

## **<body>**

Everything inside this element is shown inside the main browser window.

## **<head>**

Before the <body> element

Contains information about the page

Not visible in the main browser window

## **<title>**

Inside the <head> element

Shown in the top of the browser or on browser tabs

# Let's build a website

Open Adobe Dreamweaver

Write elements and tags

View in browser

# HTML Text Elements

## Adding Markup

Structural

Semantic

## Structural markup

Headings

Paragraphs

## Semantic markup

Emphasis

Blockquote

# Adding Markup

---

When creating a web page, you add tags (known as markup) to contents of the page, providing extra information for browsers to employ.

## **Structural Markup**

Describes specific kinds of content

Headings and paragraphs

## **Semantic Markup**

Describes the content of web pages more accurately

Aren't just to change appearance

Emphasis or blockquote

# Headings

---

HTML has six “levels” of headings

`<h1>`This is the Main Heading`</h1>`

`<h2>`This is a Level 2 Heading`</h2>`

`<h3>`This is a Level 3 Heading`</h3>`

`<h4>`This is a Level 4 Heading`</h4>`

`<h5>`This is a Level 5 Heading`</h5>`

`<h6>`This is a Level 6 Heading`</h6>`

**This is a Main Heading**

**This is a Level 2 Heading**

**This is a Level 3 Heading**

**This is a Level 4 Heading**

**This is a Level 5 Heading**

**This is a Level 6 Heading**

# Paragraphs

---

## Opening <p> tag and closing </p> tag

```
<html>
  <head>
    <title>Paragraphs</title>
  </head>
  <body>
    <p>A paragraph consists of one or more sentences
that form a self-contained unit of discourse. The start of a
paragraph is indicated by a new line.</p>
    <p>Text is easier to understand when it is split up
into units of text. For example, a book may have chapters.
Chapters can have subheadings. Under each heading there
will be one or more paragraphs.</p>
  </body>
</html>
```

A paragraph consists of one or more sentences that form a self-contained unit of discourse. The start of a paragraph is indicated by a new line.

Text is easier to understand when it is split up into units of text. For example, a book may have chapters. Chapters can have subheadings. Under each heading there will be one or more paragraphs.

# Bold & Italic

---

## Bold <b>

<p>This is how we make a word appear <b>bold.</b></p>

<p>Inside a product description you might see some <b>key features</b> in bold.</p>

This is how we make a word appear **bold**.

Inside a product description you might see some **key features** in bold.

## Italic <i>

<p>This is how we make a word appear <i>italic.</i></p>

<p>It's a potato <i>Solanum teberosum.</i></p>

<p>Captain Cook sailed to Australia on the <i>Endeavour.</i></p>

This is how we make a word appear *italic*.

It's a potato *Solanum teberosum*.

Captain Cook sailed to Australia on the *Endeavour*.

# Superscript & Subscript

---

## Superscript <sup>

<p>On the 4<sup>th</sup> of September you will learn about E=MC<sup>2</sup>.</p>

On the 4<sup>th</sup> of September you will learn about E=MC<sup>2</sup>.

## Subscript <sub>

<p>The amount of CO<sub>2</sub> in the atmosphere grew by 2ppm in 2009<sub>1</sub>.</p>

The amount of CO<sub>2</sub> in the atmosphere grew by 2ppm in 2009<sub>1</sub>.

# Line Breaks & Horizontal Rules

---

## Line Break <br />

<p>The Earth<br />gets one hundred tons heavier every day<br />due to falling space dust.</p>

The Earth  
gets one hundred tons heavier every day  
due to falling space dust.

## Horizontal Rule <hr />

<p>Venus is the only planet that rotates clockwise.</p>  
<hr />

Venus is the only planet that rotates clockwise.

---

<p>Jupiter is bigger than all the other planets combined.</p>

Jupiter is bigger than all the other planets combined.

# Semantic Markup—Strong & Emphasis

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## Strong <strong>

<p><strong>Beware:</strong> Pickpockets operate in this area.</p>

<p>This toy has many small pieces and is <strong>not suitable for children under five years old.</strong></p>

**Beware:** Pickpockets operate in this area.

This toy has many small pieces and is **not suitable for children under five years old.**

## Emphasis <em>

<p>I <em>think</em> Ivy was the first.</p>

<p>I think <em>Ivy</em> was the first.</p>

<p>I think Ivy was the <em>first.</em></p>

I *think* Ivy was the first.

I think *Ivy* was the first.

I think Ivy was the *first*.

# Semantic Markup—Quotations

---

## Longer quotes <blockquote>

```
<blockquote cite="http://en.wikipedia.org/wiki/Winnie-the-Pooh">
```

```
  <p>Did you ever stop to think, and forget to start again?</p>
```

```
</blockquote>
```

Did you ever stop to think, and forget to start again?

## Shorter quotes <q>

```
<p>As A.A. Milne said, <q>Some people talk to animals. Not many listen though. That's the problem.</q></p>
```

As A.A. Milne said, “Some people talk to animals. Not many listen though. That’s the problem.”

# Lists

Ordered Lists

Unordered Lists

Definition Lists

# Using Lists

---

## **Ordered Lists**

Each item in the list is numbered

Steps to follow in order, section numbers in a legal document

## **Unordered Lists**

Begin with a bullet point

No characters are used to indicate order

## **Definition Lists**

A set of terms along with the definition of each of those terms

# Ordered Lists

---

Ordered List <ol>

Listed Item <li>

<ol>

<li>Chop potatoes into quarters</li>

<li>Simmer in salted water for 15-20 minutes  
until tender</li>

<li>Heat milk, butter and nutmeg</li>

<li>Drain potatoes and mash</li>

<li>Mix in the milk mixture</li>

</ol>

1. Chop potatoes into quarters
2. Simmer in salted water for 15-20 minutes until tender
3. Heat milk, butter and nutmeg
4. Drain potatoes and mash
5. Mix in the milk mixture

# Unordered Lists

---

Unordered List <ul>

Listed Item <li>

<ul>

<li>1kg King Edward potatoes</li>

<li>100ml milk</li>

<li>50g salted butter</li>

<li>Freshly grated nutmeg</li>

<li>Salt and pepper to taste</li>

</ul>

- 1kg King Edward potatoes
- 100ml milk
- 50g salted butter
- Freshly grated nutmeg
- Salt and pepper to taste

# Definition Lists

---

Definition List <dl>

Definition term <dt>

Definition <dd>

<dl>

<dt>Sashimi</dt>

<dd>Sliced raw fish that is served with condiments.</dd>

<dt>Scale</dt>

<dd>A device used to accurately measure the weight of ingredients</dd>

<dd>A technique by which the scales are removed from the skin of a fish</dd>

<dt>Scamorze</dt>

<dd>An Italian cheese usually made from whole cow's milk</dd>

</dl>

Sashimi

Sliced raw fish that is served with condiments.

Scale

A device used to accurately measure the weight of ingredients

A technique by which the scales are removed from the skin of a fish

Scamorzo

An Italian cheese usually made from whole cow's milk.



# Assignment 1\_1 / Recipes

The task is to style the same HTML in many different ways using pure CSS (no images). This means that once the HTML is setup it won't change (or just minimal when necessary). You'll modify the CSS style sheet files instead.

Since we don't use images yet you'll focus on two aspects:

Styling type and making layout variations using some of the basic dimension and positioning techniques within CSS. Pay attention to quality/originality of the composition and the technical execution. The color, type choice and composition should be a visual representation of your specific dish.

**Dimensions:** Fixed width = 780px, centered on the screen. Height can be treated as needed.  
**Colors:** A maximum of 3 colors can be used and grey scale. Keep the color palette consistent throughout your designs.

**Fonts:** Not more than 2 different font-family choices per composition

Experiment with typography (sizes, placement, color, background-color...) and composition. Multi-column/grid layouts are possible. Also consider the browser's background-color as a design element of your composition.

Your layout (780px wide) should appear horizontally centered in the browser window (left and right sides are identical even after re sizing the browser).

Create (at least) 10 coded recipe layouts.

# Exercises 1\_1 & 1\_2

## 1\_1 / Write the recipe in HTML

Title

Cooking time

List of ingredients

Directions

A footnote

## 1\_2 / Design 5 Layouts

Ai, Ps, or Id

Post to blog

Due 09/02

