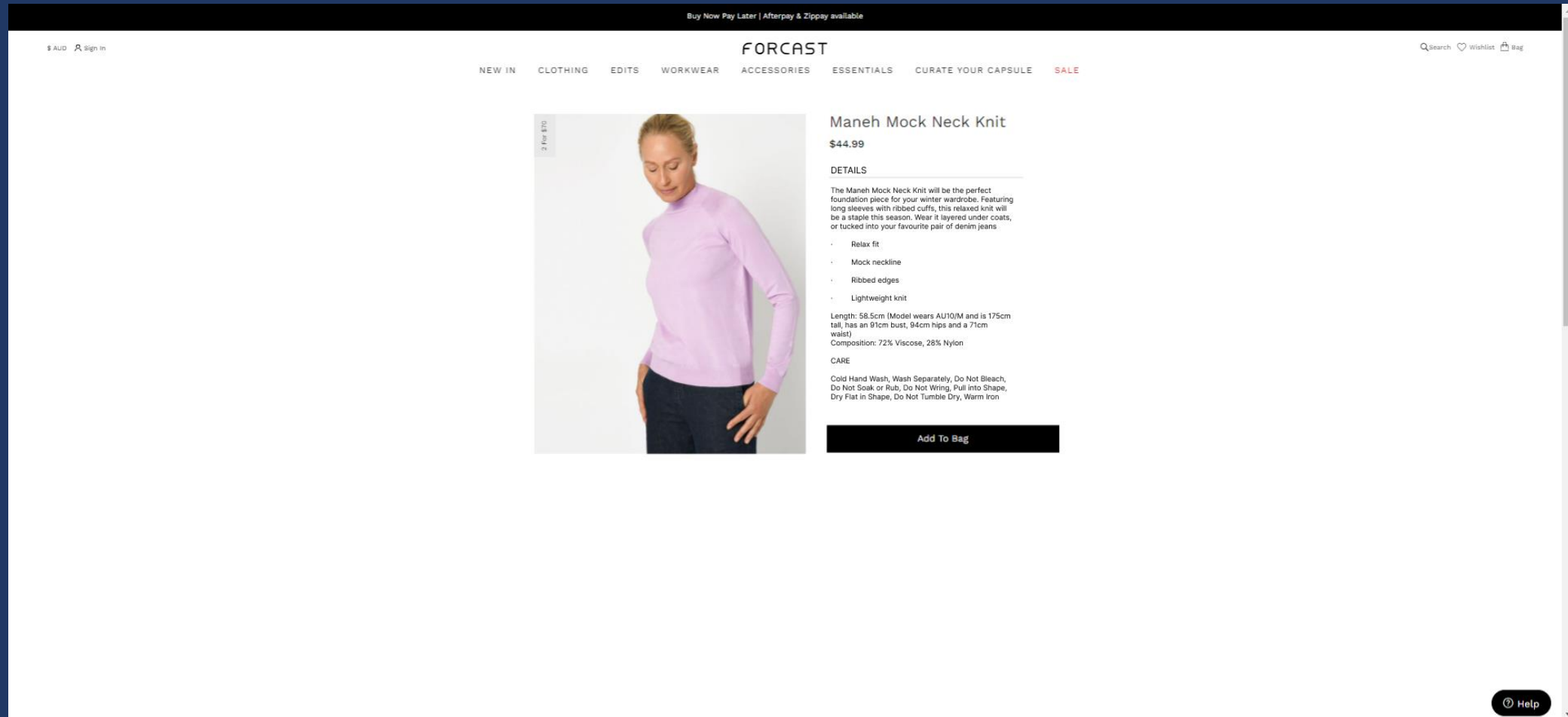# Intro to
HTML & CSS

Setup Checklist

1. Download Visual Studio Code + extensions

2. Download starter files from Github

3. Download Google Chrome (if you don't already have it)

Goals and targets

1. Learn how to convert mockups to reality with HTML and CSS

2. Learn how to use Magento

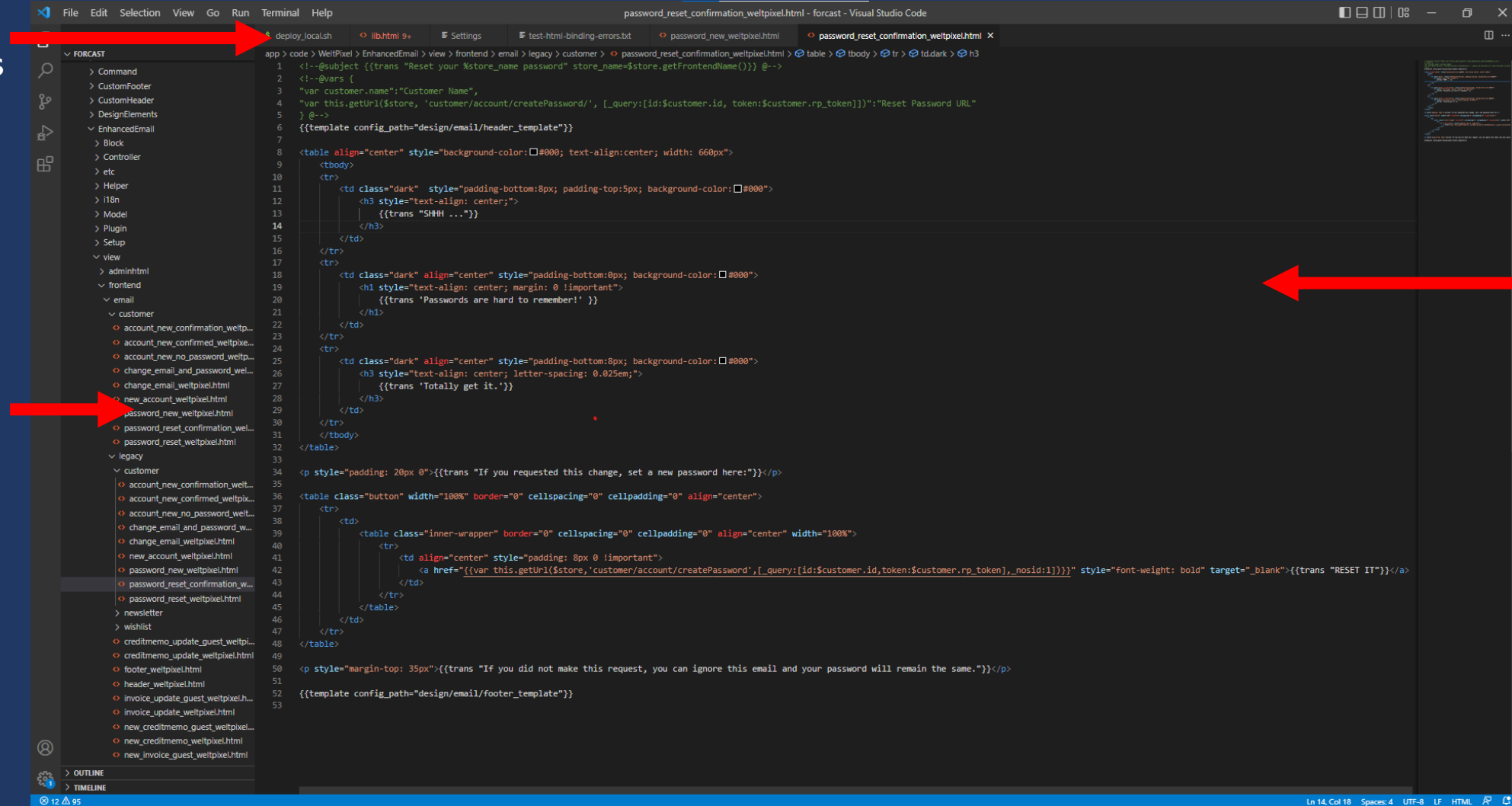3. Learn how to code responsively (mobile + desktop compatibility)

Goals and targets
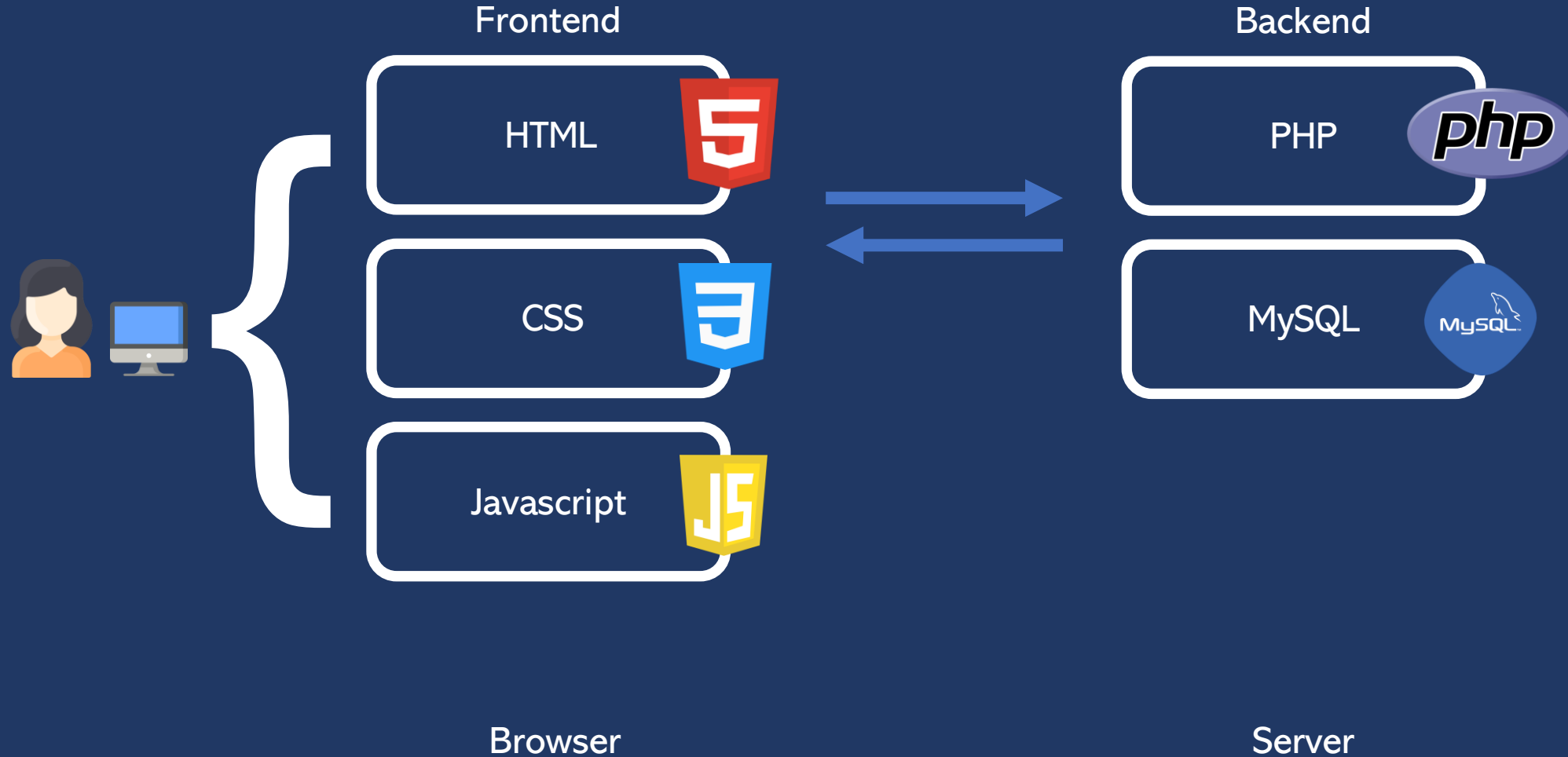
What's Visual Studio Code?
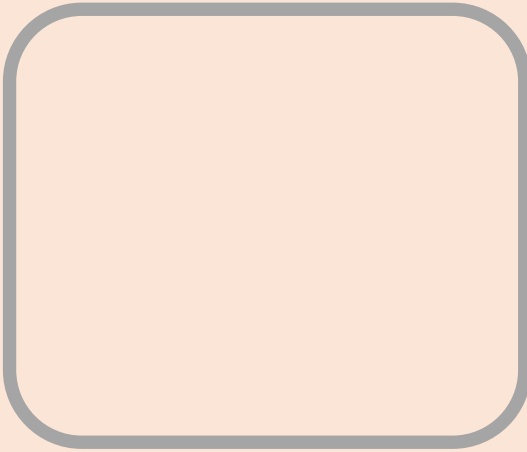
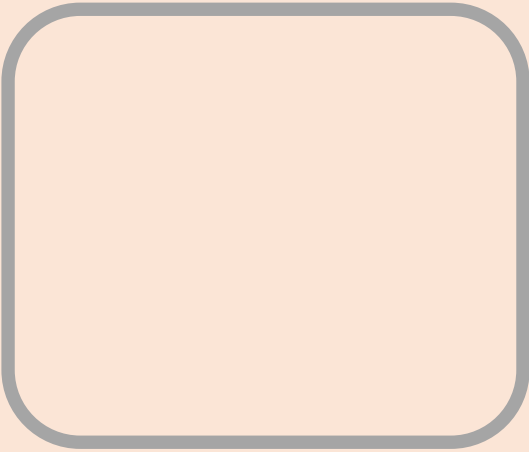# What makes forcast.com.au?

What is HTML/CSS?

HTML = Hyper Text Markup Language
* Use for page structure
* Outlines the elements on a page. E.g., headings, images, links

CSS = Cascading Style Sheet
* Used to control page design and layout
* Colors, sizes fonts etc.

If a web page was like a person…

JavaScript
- Logic
- Control

If a web page was like a person...

CSS
- Appearance
- Size
- Colour

HTML
- Structure

JavaScript
- Logic
- Control

Intro to HTML

- Consists of HTML elements defined by tags
- These are the building blocks of web pages

```
<h1>This is an example</h1>
<button>Click me!</button>
<br />
<b>This is bold text</b>
<ul>
     <li>dot point 1</li>
     <li>dot point 2</li>
     <li>dot point 2</li>
</ul>
```
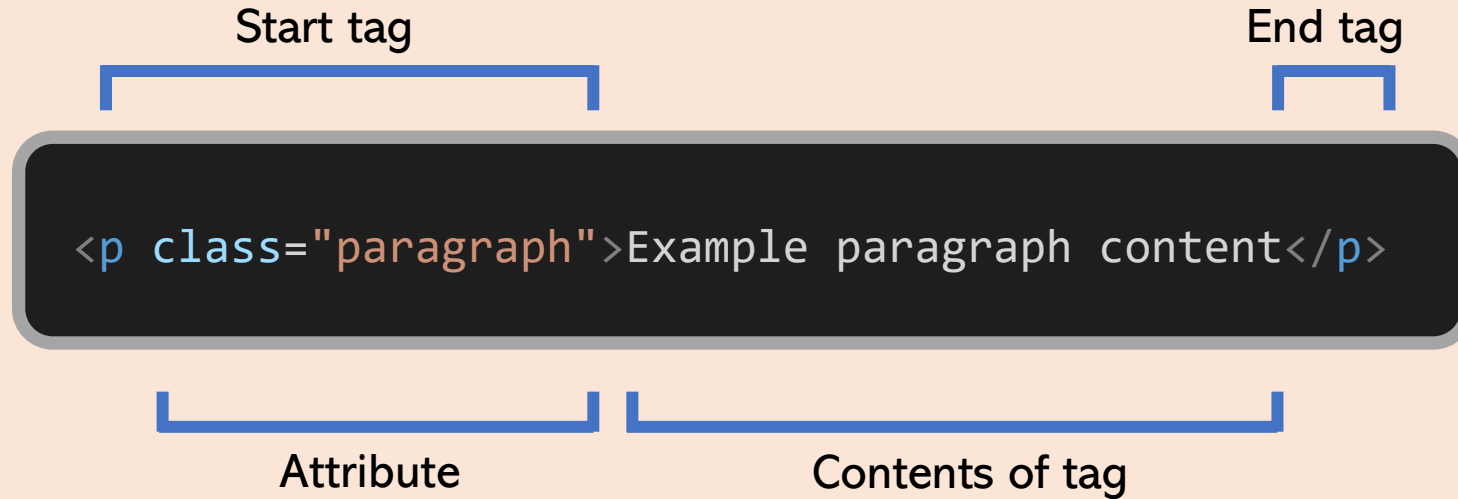
This is an example

Click me!
This is bold text

- dot point 1
- dot point 2
- dot point 2

Example paragraph content

HTML Element Tag Syntax

Start tag

End tag

Most of the time:

```
<p class="paragraph">Example paragraph content</p>
```

Attribute

Contents of tag

Sometimes:

```
<br />
```

Nesting

- HTML elements can contain other HTML elements
- This is called nesting

```
<div class="container">
    <h1>Nesting example</h1>
    <button>button 1</button>
    <br />
    <br />
    <button><h1>Button 2</h1></button>
</div>
```

Containers

- All tags are containers
- `<div>` is the most general-purpose container

```
<div>
    <div>
        <h1>Heading!</h1>
        <p>Paragraph!</p>
    <div>
</div>
```

Headings

- There are 6 heading tags, varied by size
- `<h1>` - `<h6>`

```
<h1>Heading 1</h1>
<h2>Heading 2</h2>
<h3>Heading 3</h3>
<h4>Heading 4</h4>
<h5>Heading 5</h5>
<h6>Heading 6</h6>
```

Heading 1

Heading 2

Heading 3

Heading 4

Heading 5

Heading 6

Paragraphs

- Headings are usually (not always) followed by paragraph tags
- `<p>`

```
<p>This is a paragraph about
absolutely nothing.</p>
```

➡️

This is a paragraph about absolutely nothing.

Images

- The image tag displays an image given a url
- `<img>`

```
<img
src="https://www.google.com.au/images/
branding/googlelogo/1x/googlelogo_colo
r_272x92dp.png"/>
```

→

Lists

- There are two types of list tags, ordered and unordered
- `<ul>`, `<ol>`

```html
<ul>
    <li>list item</li>
    <li>list item</li>
    <li>list item</li>
</ul>
<ol>
    <li>list item</li>
    <li>list item</li>
    <li>list item</li>
</ol>
```

- list item
- list item
- list item

1. list item
2. list item
3. list item

Links

- Links are used for redirecting a user to another page
- `<a>`

```
<a
href="https://www.google.com.au">Click
here!</a>
```

→

Click here!

Inputs

- Inputs are for when you want to capture data from user
- There are many different types view them here
- `<input>`

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

<input type="button" value="Click me"></input>

<input type="date"></input>

<input type="file"/>
```

➡

Click me | Click me | dd/mm/yyyy 📅 | Choose File No file chosen

Activity: Forcast's new PDP Part 1

FORCAST

- NEW IN
- CLOTHING
- EDITS
- WORKWEAR
- ACCESSORIES
- ESSENTIALS
- CURATE YOUR CAPSULE

Maneh Mock Neck Knit

$44.99

DETAILS

The **Maneh Mock Neck Knit** will be the perfect foundation piece for your winter wardrobe. Featuring long sleeves with ribbed cuffs, this relaxed knit will be a staple this season. Wear it layered under coats, or tucked into your favourite pair of denim jeans

Add To Bag

CSS

- Applies styles to sites
- Works in relation with HTML

```css
ul {
    list-style-type: none;
    margin: 0;
    padding: 0;
}

li {
    display: inline;
    padding: 0 0 1rem 1rem;
}

a {
    text-decoration: none;
    color: #000000;
}
```

Writing CSS

- Selectors -> Properties
- Selectors can be HTML elements, classes or IDs.

```css
ul {
    list-style-type: none;
    margin: 0;
    padding: 0;
}

#my-element-id {
    background-color: #000000;
}

.my-element-class {
    text-decoration: none;
    color: #000000;
}
```

Advanced selectors

- Further narrow down your selections

```css
.my-element-class ul {
    list-style-type: none;
    margin: 0;
    padding: 0;
  }

#my-element-id:hover {
    background-color: #000000;
}

.my-element-class:active {
    text-decoration: none;
    color: #000000;
}
```
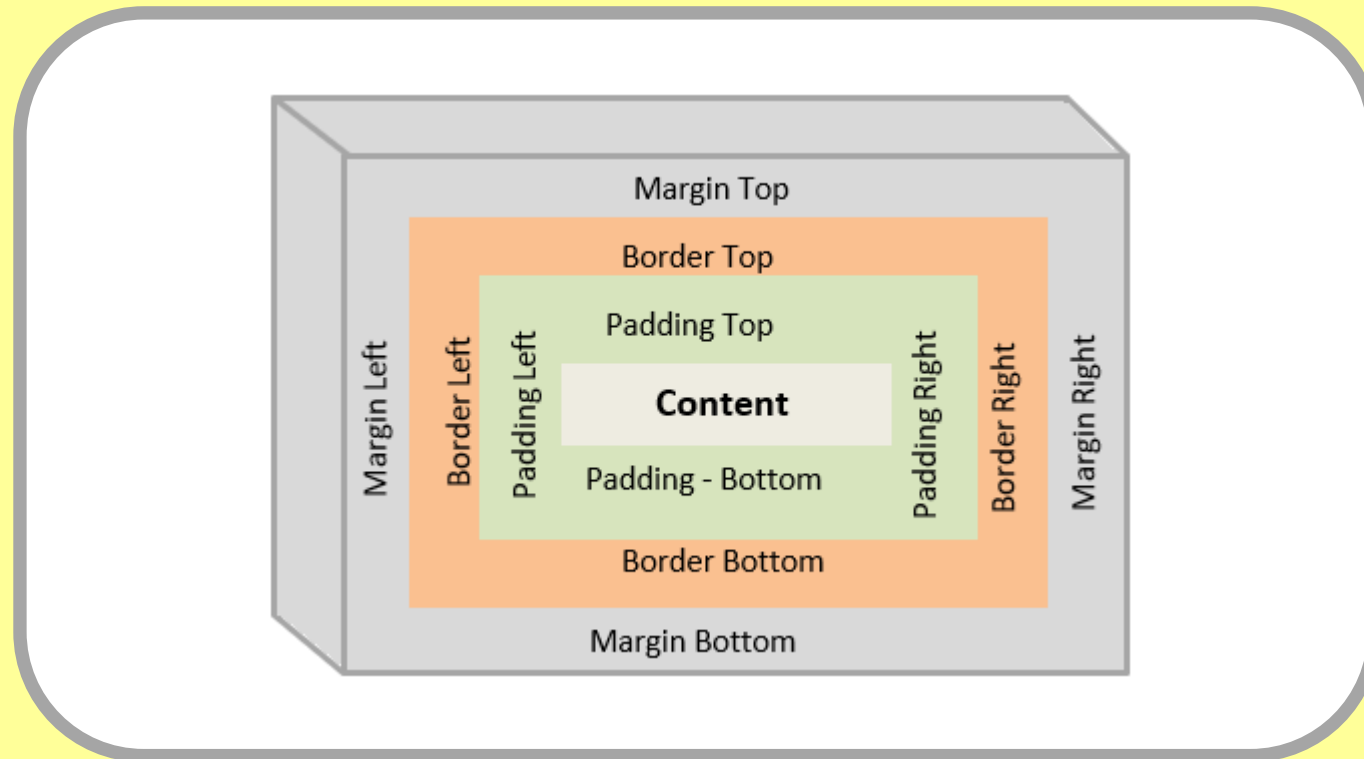
Basic CSS properties: Display

- Used to change the way things are positioned on a page
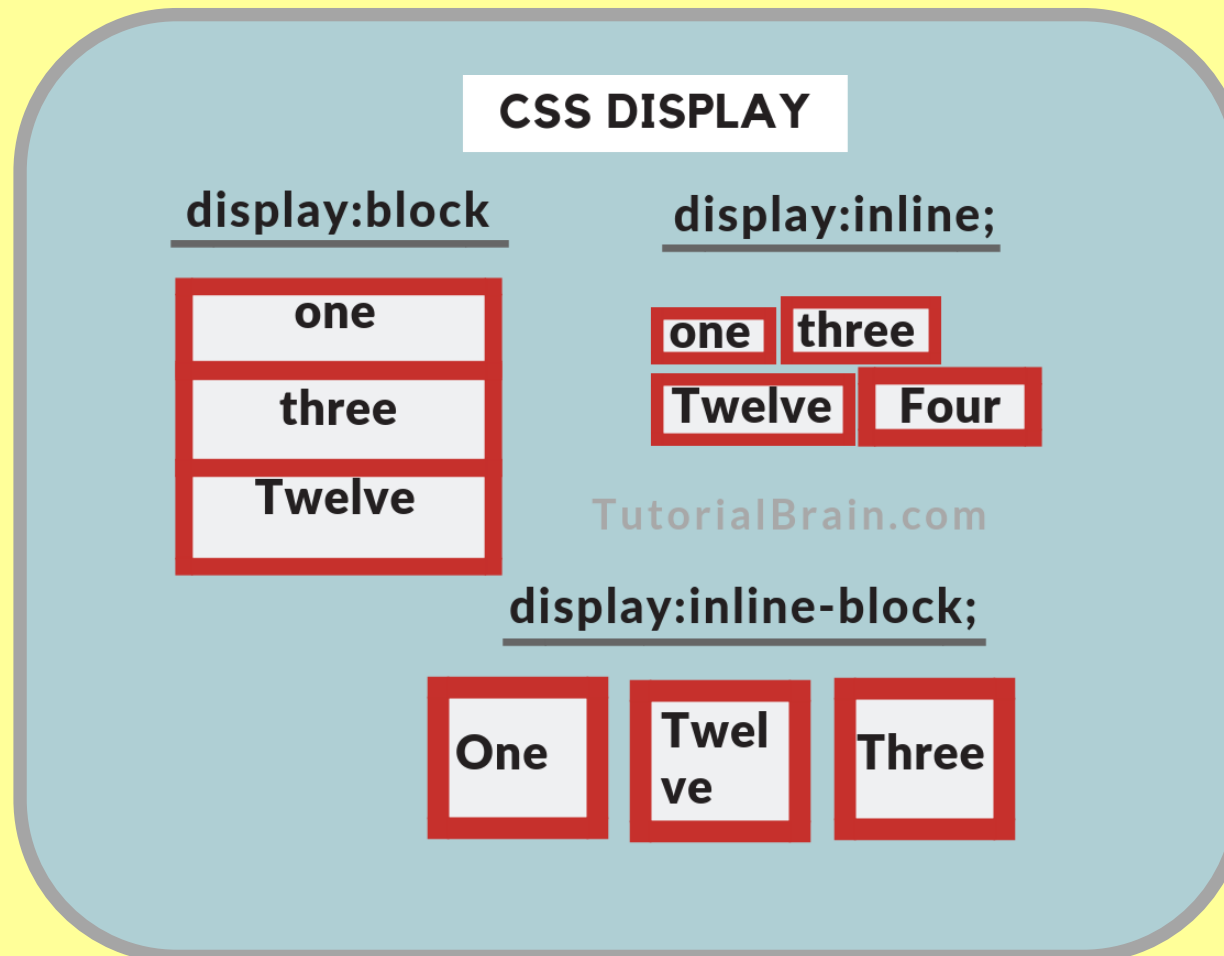
Intro to CSS properties: Spacing

- Control spacing between and within elements using margin, border and padding

Activity: Forcast's new PDP Part 2