RESPONSIVE WEB DESIGN

What is Responsive Web Design?

→ Responsive web design is about creating web pages that look good on all devices.

→ A responsive web design will automatically adjust to different screen sizes and viewports.

→ Responsive web design is all about using HTML and CSS to automatically resize, hide, shrink or expand a website, so it looks good on all devices for example:

- ❏ Desktops
- ❏ Tablets
- ❏ Phones.

Setting The Viewport

VIEWPORT

HTML5 introduced a method to let web designers take control over the viewport, through the <meta> tag.

You should include the following <meta> viewport element in all your web pages:

```
<meta name="viewport" content="width=device-width,
initial-scale=1.0">
```

This gives the browser instructions on how to control the page's dimensions and scaling.

The width=device-width part sets the width of the page to follow the screen-width of the device (which will vary depending on the device).

The initial-scale=1.0 part sets the initial zoom level when the page is first loaded by the browser.

IMAGES

→ Responsive images are images that scale nicely to fit any browser size.

Using the width Property

If the CSS width property is set to 100%, the image will be responsive and scale up and down:

A better solution, in many cases, will be to use the max-width property instead.

❖ **Using the max-width Property**

If the max-width property is set to 100%, the image will scale down if it has to, but never scale up to be larger than its original size:

```
<img src="img_girl.jpg" style="max-width:100%;height:auto;">
```

TEXT SIZE

→ The text size can be set with a "vw" unit, which means the "viewport width".

→ That way the text size will follow the size of the browser window:

`<h1 style="font-size:10vw">Hello World</h1>`

Hello World

Resize the browser window to see how the text size scales.