**Responsive Design**

Allows the webpage to adjust to any screen size (mobile, desktop, tablets, etc.…)

Responsive Design consists of:

1. Fluid Layouts
2. Responsive Units
3. Flexible Images
4. Media Queries

**Fluid Layouts**

* Allow the webpage to adapt to the current viewport width (or even height)
* Use % (or vh / vw) unit instead of px for elements that should adapt to viewport (usually layout)
* Use max-width instead of width

**Responsive Units**

* Use rem unit instead of px for most lengths
* Make it easy to scale the entire layout *down* or *up* automatically

**Flexible Images**

* By default, images don’t scale automatically as we change the viewport. We need to fix this.
* Always use % for image dimensions together with the max-width property

**Media Queries**

* To change CSS styles on certain viewport widths (called breakpoints)

**Layout Types (Fluid Layouts)**

* Float Layouts
* Flexbox
* CSS Grid

**Float Layouts**

* The old way of building layouts of all sizes, using the float CSS property.
* It is still used but is getting outdated.
* Places boxes side-by-side

**Flexbox**

* Modern way of laying out elements in a 1-dimensional row without using floats.
* Perfect for component layouts.

**CSS Grid**

* For laying out element in a fully-fledged 2-dimensional grid.
* Perfect for page layouts and complex components.

**Grid**

Consists of rows and columns.