

## Chapter 5

### BOX MODEL

- In the Google Chrome developer mode, the **content** is marked in **Blue** followed by the **padding** in **Green** followed by the **border** as **dashed and Red** followed by the **margin** in **Light Red**.
- There are 2 models for the **box-sizing** property: One is **border-box** and the other is **content-box**. The default is **content-box**.
- The **content space** of an element is the part of the element that has the content of that element in it.
- To explain the 2 settings, let us take an element whose size is X pixels.
- In the **border-box** setting, the total size of the element will be X pixels including the size of any borders or padding that is applied to the element and the **content space** of the element will shrink.
- In the **content-box** setting, the total size of the element will be more than X pixels since it will include the size of any borders and padding that is applied to it.
- The **outline** is a property whose size isn't taken into account when deciding the total size of an element in either setting.
- The **outline-offset** property can be used to change the position of the outline.
- The borders and margins are set in the following order of **[position]** : **top, right, bottom, left**.
- A **border-[position]** is specified as: **[size] [type] [color]**. There are many different **[type]** and **[color]** of a border of any **[size]**.
- Alternatively, **[size] [type]** and **[color]** can be set with the help of the **border-[position]-size**, **border-[position]-type** and **border-[position]-color** properties.
- When **font-size** is set manually for an element, then the **em** measure calculates size relative to that fixed size.
- A CSS reset involves setting the **margin** property and the **padding** property to be set to 0 for all elements using the universal selector.
- The **border-radius** property can be used to round the edges of the box. If the **width** and **height** of the box are equal and the **border-radius** is set to half that value, then the box can be converted into a circle.