**CSS Notes**

* + **Selectors**
    - ***selector: {...}*** - Selects HTML elements based on their name, class, ID, etc.

* + **Box Model**
    - ***margin*:** auto | length | % - Sets the outer spacing of an element.
    - ***padding***: length | % - Sets the inner spacing of an element.
    - ***border***: width style color - Sets the border of an element.

* + **Dimensions**
    - ***width/height***: auto | length | % - Sets the width or height of an element.
    - ***max-width/max-height***: none | length | % - Sets the maximum width or height.
    - ***min-width/min-height***: length - Sets the minimum width or height.

* + **Display**

* + - ***display***: block | inline | inline-block | none - Specifies how an element is displayed.
    - ***visibility***: visible | hidden - Sets the visibility of an element.

* + **Positioning**

* + - ***position***: static | relative | absolute | fixed - Sets the positioning method.
    - ***top/right/bottom/left***: auto | length - Positions an element.

* + **Flexbox**

* + - ***display***: flex - Defines a flex container.
    - ***flex-direction***: row | row-reverse | column | column-reverse - Specifies the direction of the main axis.
    - ***justify-content***: flex-start | flex-end | center | space-between | space-around - Aligns items along the main axis.
    - ***align-items***: stretch | flex-start | flex-end | center | baseline - Aligns items along the cross axis.
    - ***flex***: none | [flex-grow] [flex-shrink] [flex-basis] - Specifies the components of a flex item's size.

* + **Grid**

* + - ***display***: grid - Defines a grid container.
    - ***grid-template-rows/grid-template-columns***: track-size - Specifies the structure of the grid.
    - ***grid-gap***: length - Sets the gap between rows and columns.

* + **Colors**

* + - * ***color/background-color***: color - Sets the text/background color.
  + ***opacity: 0-1*** - Defines the transparency of an element.

* + **Typography**

* + - ***font-family: font family*** - Specifies the font family.
    - ***font-size:*** length | % - Sets the font size.
    - ***font-weight:*** normal | bold - Defines the thickness of characters.
    - ***line-height:*** normal | number | length | % - Sets the height of a line.
    - ***text-align***: left | right | center | justify - Aligns text.
    - ***text-decoration***: none | underline | overline | line-through - Adds decoration to text.

* + **Borders and Shadows**

* + - ***border-radius:*** length - Rounds the corners of an element.
    - ***border-width***: thin | medium | thick | length - Sets the width of a border.
    - ***box-shadow:*** h-offset v-offset blur spread color - Adds a shadow to an element.

* + **Transitions and Animations**

* + - ***transition:*** property duration timing-function delay - Defines a transition effect.
    - ***animation***: name duration timing-function delay iteration-count - Specifies an animation.

* + **Miscellaneous**

* + - ***cursor:*** pointer | default | crosshair | etc. - Sets the type of cursor.
    - ***overflow***: visible | hidden | scroll | auto - Specifies the behaviour of overflow.
    - ***z-index***: auto | number - Sets the stacking order of an element.
    - ***box-sizing***: content-box | border-box - Defines how the width and height are calculated.