Flexbox Properties

In a flexbox layout, some properties are applied to the flex container, while others are applied to the flex items.

* The properties are applied to the flex container:

1. display property:

* The flex container becomes flexible by setting the display property to flex.

1. flex-direction:

* defines in which direction the container wants to stack the flex items.
* Its values are
* The column value: from top to bottom.
* The column-reverse value: from bottom to top.
* The row value: from left to right(Default).
* The row-reverse value: from right to left.

1. flex-wrap:

* specifies whether the flex items should wrap or not.
* Its values are
* The nowrap value: the flex items will not wrap(Default).
* The wrap value: the flex items will wrap if necessary.
* The wrap-reverse value: specifies that the flexible items will wrap if necessary, in reverse order.

1. The flex-flow property:

* A shorthand property for setting both the flex-direction and flex-wrap properties.

For example: flex-flow: row wrap.

1. justify-content:

* is used to align the flex items.
* Its values are
* The flex-start value: aligns the flex items at the beginning of the container (Default).
* The center value: aligns the flex items at the center of the container.
* The flex-end value: aligns the flex items at the end of the container.
* The space-around value: displays the flex items with space before, between, and after the lines.(half-sized space on the edges).
* The space-between value: displays the flex items with space between the lines.
* The space-evenly value: It is similar to space-around but provides equal instead of half-sized space on the edges.

1. align-items:

* is used to align the flex items.
* Its values are
* The center value: aligns the flex items in the middle of the container.
* The flex-start value: aligns the flex items at the top of the container.
* The flex-end value: aligns the flex items at the bottom of the container.
* The stretch value: stretches the flex items to fill the container (Default).
* The baseline value: aligns the flex items such as their baselines aligns.

1. align-content:

* is used to align the flex lines.
* Its values are
* The space-between value displays the flex lines with equal space between them.
* The space-around value displays the flex lines with space before, between, and after them.
* The stretch value stretches the flex lines to take up the remaining space (Default).
* The center value displays the flex lines in the middle of the container.
* The flex-start value displays the flex lines at the start of the container.
* The flex-end value displays the flex lines at the end of the container.
* The properties are applied to the flex-items:

1. Order:

* specifies the order of the flex items(default value is 0).

1. flex-grow:
   * specifies how much a flex item will grow relative to the rest of the flex items(default value is 0).
2. flex-shrink:

* specifies how much a flex item will shrink relative to the rest of the flex items.( default value is 1).

1. flex-basis:

* specifies the initial length of a flex item.

1. Flex:

* is a shorthand property for the flex-grow, flex-shrink, and flex-basis properties.

1. align-self:

* specifies the alignment for the selected/specified item inside the flexible container.
* overrides the default alignment set by the container's align-items property.
* Its values are
  + The center value: aligns the flex items in the middle of the container.
  + The flex-start value: aligns the flex items at the top of the container.
  + The flex-end value: aligns the flex items at the bottom of the container.
  + The stretch value: stretches the flex items to fill the container (Default).
  + The baseline value: aligns the flex items such as their baselines aligns.