CSS FLEX BOX

The flexbox or flexible box model in CSS is a one-dimensional layout model that has flexible and efficient layouts with distributed spaces among items to control their alignment structure.

There are 2 main components of the Flexbox:

1. Flex Container

The parent "div" which contains various divisions is called a flex container.
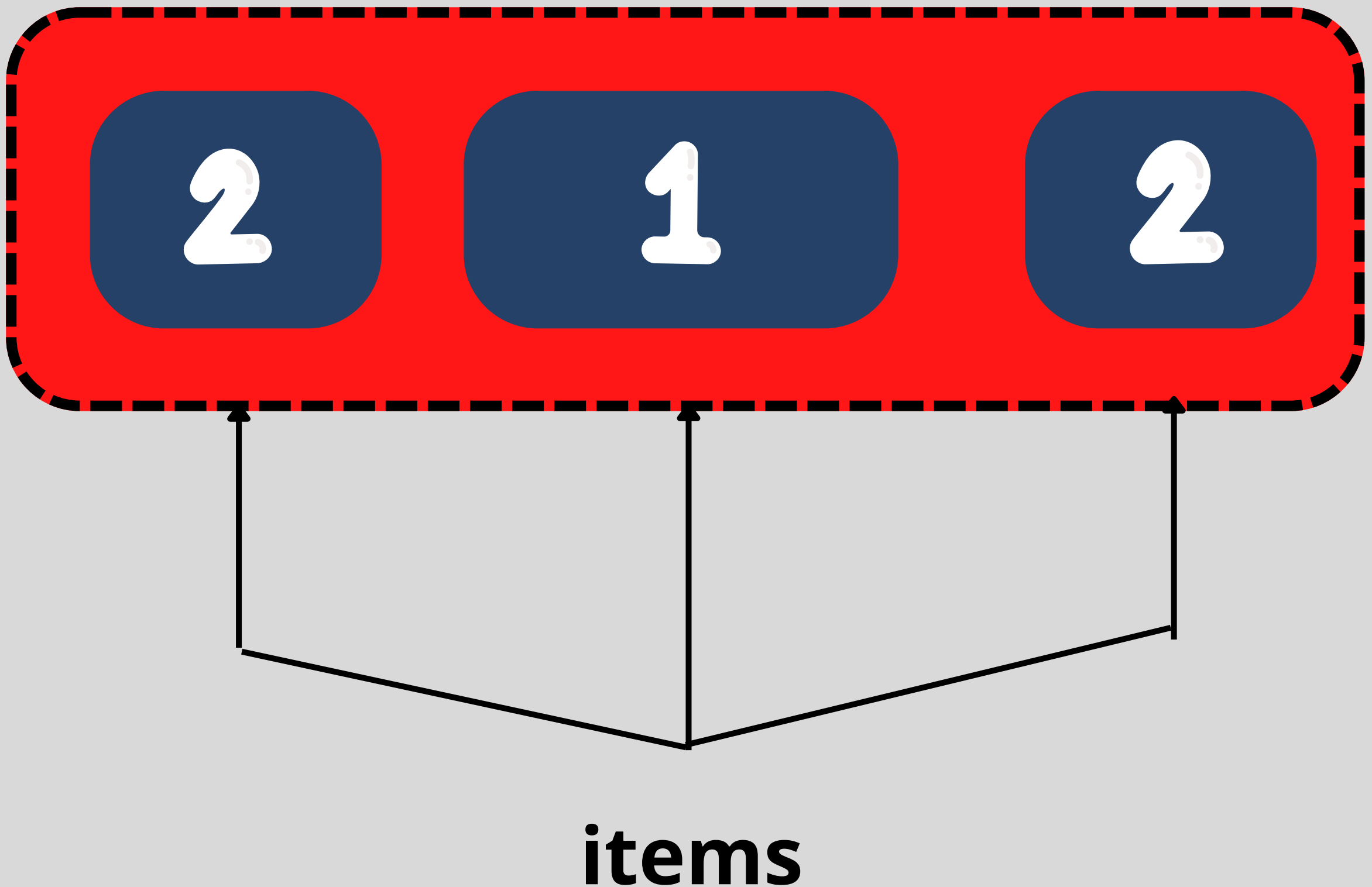
Container

The element above represents a flex container (the purple area) with three flex items.

2. Flex Items

The items inside the container "div" are flex items
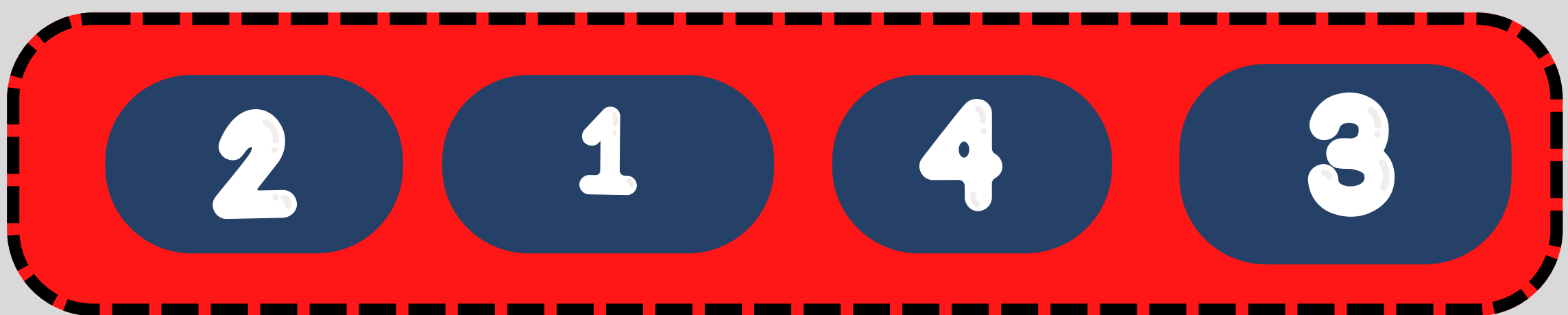

items

The element above represents a flex container within which we have 6 items.

The flex item properties are:

1. The order Property

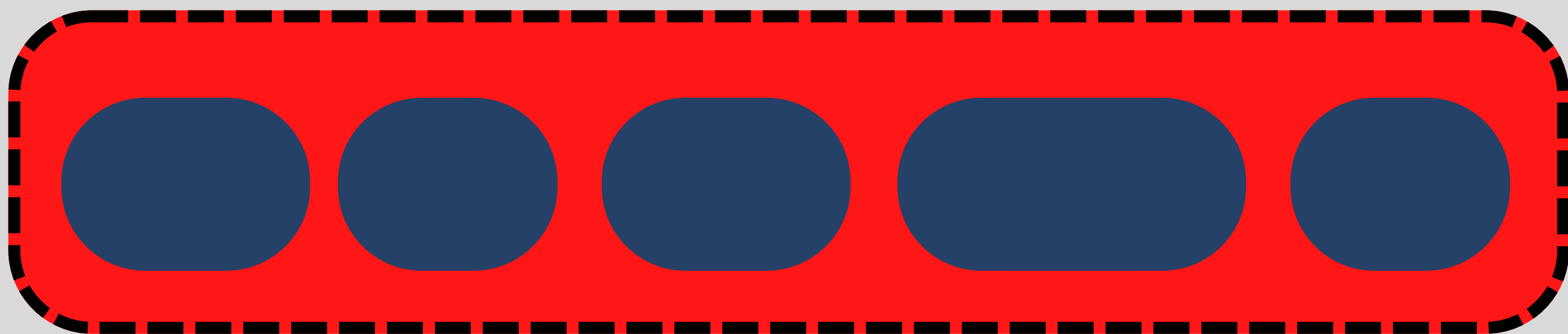The order property specifies the order of the flex items.

2. The flex-grow Property

The flex-grow property specifies how much a flex item will grow relative to the rest of the flex items.

3. The flex-shrink Property

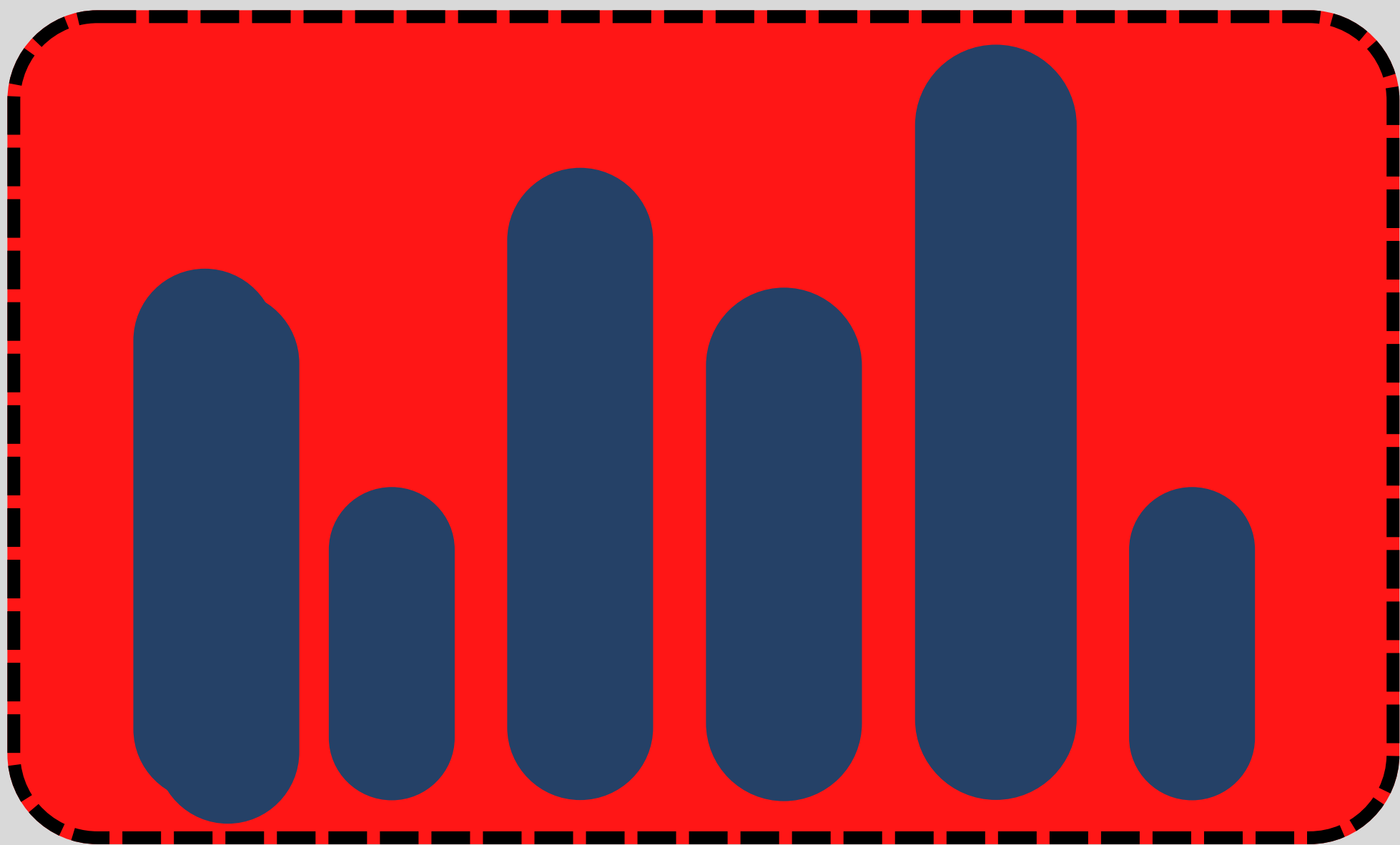The flex-shrink property specifies how much a flex item will shrink relative to the rest of the flex items.

4. The flex-basis Property

The flex-basis property specifies the initial length of a flex item.
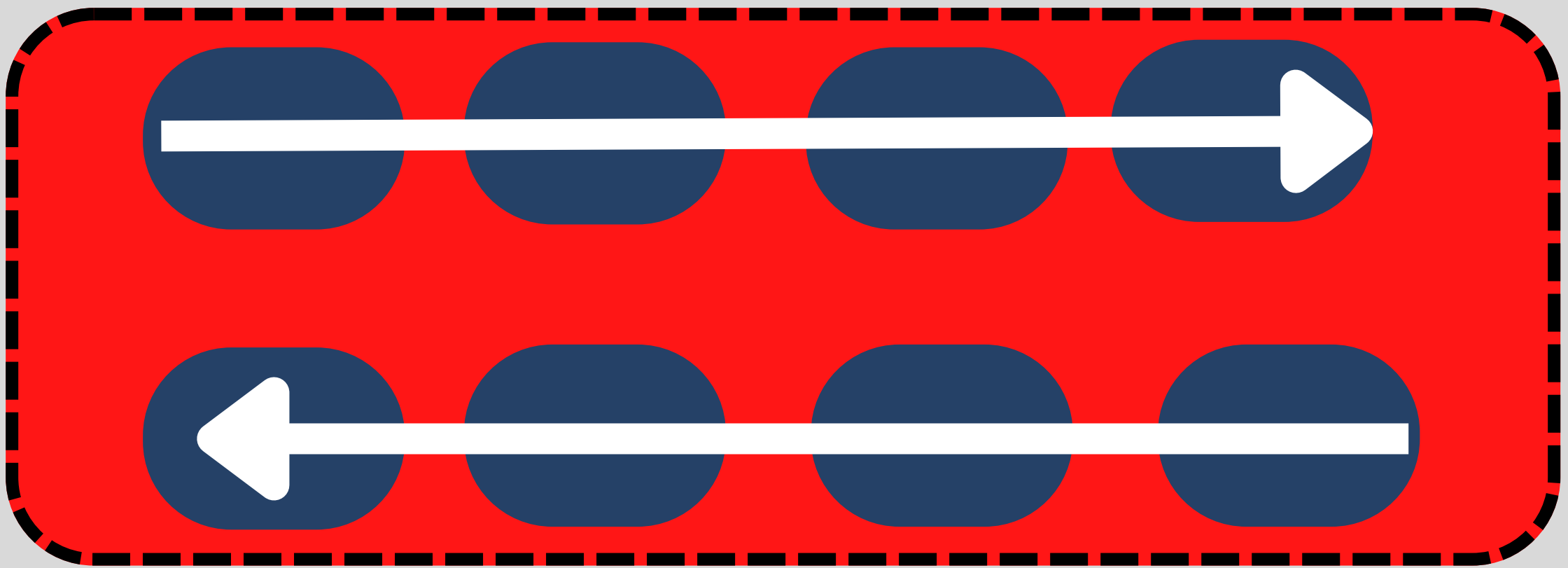
5. The align-self Property

The align-self property specifies the alignment for the selected item inside the flexible container.
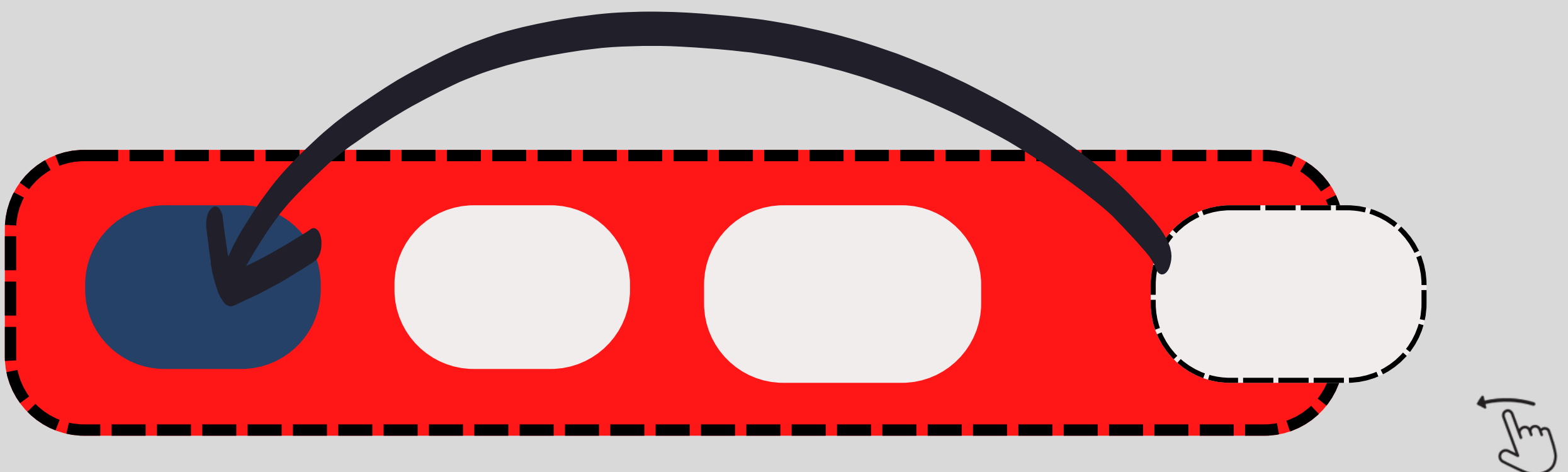
The flex container properties are:

1. The flex-direction Property

The flex-direction property defines in which direction the container wants to stack the flex items.

2. The flex-wrap Property

The flex-wrap property specifies whether the flex items should wrap or not.

3. The flex-flow Property

The flex-flow property is a shorthand property for setting both the flex-direction and flex-wrap properties.

4. The justify-content Property

The justify-content property is used to align the flex items:

5. The align-items Property

The align-items property is used to align the flex items.
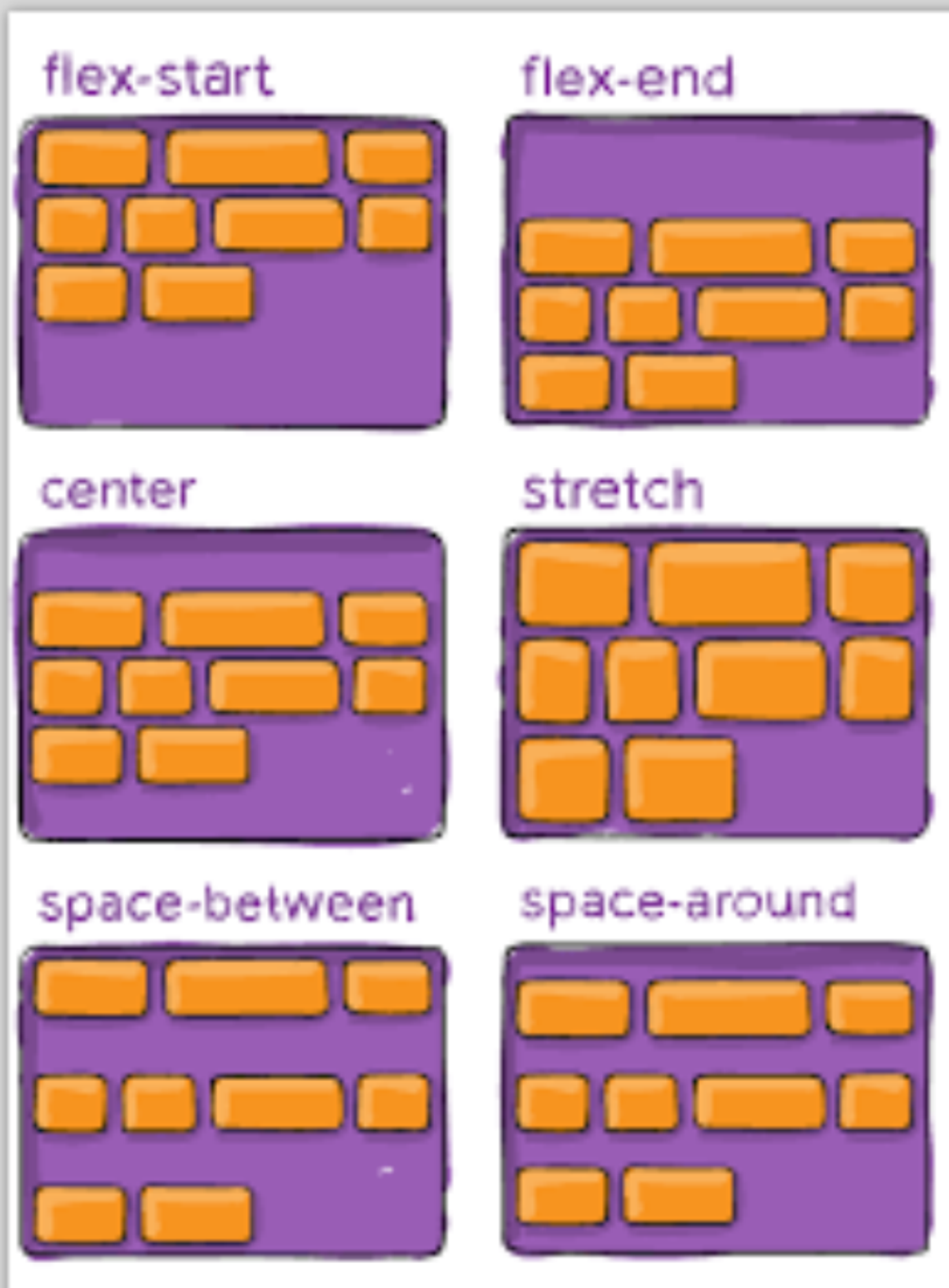
Flex Start

Flex End

Center

Stretch

6. The align-content Property

The align-content property is used to align the flex lines.

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References:
https://www.geeksforgeeks.org/introduction-to-css-flexbox/
https://www.w3schools.com/css/css3_flexbox_container.asp