

# Flexbox Container & Flex Items

WEBPAGE DESIGN-LAYOUT & STRUCTURING ELEMENTS

# Agenda

- ▶ Flex container
- ▶ Flex items

The background of the slide features a dark purple gradient. In the top right corner, there is a vertical pink rectangle. Several large, semi-transparent purple circles and a semi-transparent pink circle are scattered across the background, creating a modern, abstract design.

# Flex Container

Page Layouts



# Gap

To create space  
between items,  
without using  
margins:

`gap:0 | <length>`

# Justify content

To align items along main axis (horizontally, by default):

`justify-content: flex-start`  
| `flex-end` | `center`  
| `space-between`  
| `space-around`  
| `space-evenly`



# Align items



To align items along cross  
axis (vertically, by default):

align-items: stretch

| flex-start

| flex-end

| center

| baseline

# Flex direction

To define which is  
the main axis:

`flex-direction: row`

| `row-reverse`

| `column`

| `column-reverse`

# Flex wrap

To allow items to wrap  
into a new line if they  
are too large:

`flex-wrap: nowrap`

| `wrap`

| `wrap-reverse`



# Align content

Only applies when there are multiple lines (flex-wrap: wrap):

align-content: stretch

| flex-start

| flex-end

| center

| space-between

| space-around

The background of the slide features a dark purple gradient. On the left, there is a large, light purple, semi-circular shape. On the right, there are two circles of different sizes, also in light purple. In the top right corner, there is a small, vertical pink rectangle.

# Flex Items

Structuring page elements

# Align self

To overwrite align-items  
for individual flex items:

align-self: auto

| stretch

| flex-start

| flex-end

| center

| baseline

# Flex grow

To allow an element  
to grow (0 means  
no, 1+ means yes):  
`flex-grow: 0 | <integer>`

# Flex shrink

To allow an element to shrink (0 means no, 1+ means yes):

`flex-shrink: 1 | <integer>`

# Flex basis

To define an item's width, instead of the width property:

`flex-basis: auto | <length>`

# Flex

Recommended  
shorthand for flex-  
grow, flex-shrink, flex-  
basis:

```
flex: 0 1 auto  
| <int><int><int>
```

# Order

Controls order of items. -1 makes item first, 1 makes it last:

order:0 | <integer>



A decorative header banner with a dark purple background. It features several overlapping circles and semi-circles in shades of purple and pink. A vertical pink rectangle is positioned in the top right corner.

Any Question?

Thank You!