

Web Design & Development I

IDD103

Tailwind CSS - Fundamental II



Prepared by Mr. Kinley Tshering

Content

Interactivity	2
Hover, Focus and Active State Styling	2
Styling based on parent state	2
Cursor	3
User Select	4
Smooth Scroll	4
Breakpoint Classes and Media Queries	4
Flexbox	5
Flex and Alignment	5
Grow and Shrink	6
Grid	7
Grid cols and rows	7
col and row span	7
Transition and Transform	8

Interactivity

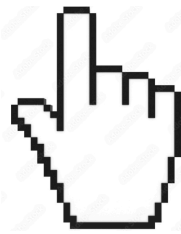


Hover, Focus and Active State Styling

<pre><button class="bg-black text-white py-3 px-5 rounded-lg m3 hover:bg-sky-500 hover:text-black" >Submit </button></pre>	<p>Hover: It is the state that occurs by putting your cursor over the button.</p>
<pre><button class="bg-black text-white py-3 px-5 rounded-lg m3 focus:bg-sky-500 focus:text-black" >Submit</pre>	<p>Focus: Indicates that the button element is ready to be active.</p>
<pre><button class="bg-black text-white py-3 px-5 rounded-lg m3 active:bg-sky-500 active:text-black" >Submit </button></pre>	<p>Active: Very simply, it is the state of an element that is active.</p>

Styling based on parent state

<pre> <h3 class="group-hover:text-white">Card Title</h3> <p class="group-hover:text-white">This is the card body</p> </pre>

Cursor

<pre><button type="button" class="bg-black text-white py-3 px-5 rounded-lg m-3 cursor-pointer" > Submit </button></pre>	
<pre><button type="button" class="bg-black text-yellow-500 py-3 px-5 rounded-lg m-3 cursor-progress" > Loading... </button></pre>	
<pre><button type="button" disabled class="bg-black text-red-200 py-3 px-5 rounded-lg m-3 cursor-not-allowed" > Confirm </button></pre>	

cursor-auto	cursor: auto;	cursor-grabbing	cursor: grabbing;
cursor-default	cursor: default;	cursor-all-scroll	cursor: all-scroll;
cursor-pointer	cursor: pointer;	cursor-col-resize	cursor: col-resize;
cursor-wait	cursor: wait;	cursor-row-resize	cursor: row-resize;
cursor-text	cursor: text;	cursor-n-resize	cursor: n-resize;
cursor-move	cursor: move;	cursor-e-resize	cursor: e-resize;
cursor-help	cursor: help;	cursor-s-resize	cursor: s-resize;
cursor-not-allowed	cursor: not-allowed;	cursor-w-resize	cursor: w-resize;
cursor-none	cursor: none;	cursor-ne-resize	cursor: ne-resize;
cursor-context-menu	cursor: context-menu;	cursor-nw-resize	cursor: nw-resize;
cursor-progress	cursor: progress;	cursor-se-resize	cursor: se-resize;
cursor-cell	cursor: cell;	cursor-sw-resize	cursor: sw-resize;
cursor-crosshair	cursor: crosshair;	cursor-ew-resize	cursor: ew-resize;
cursor-vertical-text	cursor: vertical-text;	cursor-ns-resize	cursor: ns-resize;
cursor-alias	cursor: alias;	cursor-nesw-resize	cursor: nesw-resize;
cursor-copy	cursor: copy;	cursor-nwse-resize	cursor: nwse-resize;
cursor-no-drop	cursor: no-drop;	cursor-zoom-in	cursor: zoom-in;
cursor-grab	cursor: grab;	cursor-zoom-out	cursor: zoom-out;

User Select

```
<div class="select-none">If you don't want your text to be selected.</div>
<div class="select-text">Allows you to select text normally.</div>
<div class="select-all">It selects all the text at once.</div>
<div class="select-auto">Default selection option.</div>
```

Smooth Scroll

```
<html lang="en" class="scroll-smooth">
```

Breakpoint Classes and Media Queries

```
sm 640px @media (min-width: 640px) { ... }
md 768px @media (min-width: 768px) { ... }
lg 1024px @media (min-width: 1024px) { ... }
xl 1280px @media (min-width: 1280px) { ... }
2xl 1536px @media (min-width: 1536px) { ... }
```

```
<body
  class="bg-black sm:bg-green-800 md:bg-blue-800 lg:bg-yellow-800 xl:bg-purple-800 2xl:bg-orange-800"
>
</body>
```

bg-black	sm:bg-green-800	md:bg-blue-800	lg:bg-yellow-800	xl:bg-purple-800	2xl:bg-orange-800
Width: 635	Width: 640	Width: 768	Width: 1024	Width: 1280	Width: 1537

Flexbox

Flex and Alignment

```
<!-- Flex Direction
    flex-row          flex-direction: row;
    flex-row-reverse  flex-direction: row-reverse;
    flex-col          flex-direction: column;
    flex-col-reverse  flex-direction: column-reverse;
-->
<div class="flex flex-row ">
  <div class="p-10 border border-blue-600 bg-blue-100">01</div>
  <div class="p-10 border border-blue-600 bg-blue-100">02</div>
  <div class="p-10 border border-blue-600 bg-blue-100">03</div>
  <div class="p-10 border border-blue-600 bg-blue-100">04</div>
</div>
```

```
<!-- Justify Content
    justify-start      justify-content: flex-start;
    justify-end        justify-content: flex-end;
    justify-center     justify-content: center;
    justify-between    justify-content: space-between;
    justify-around     justify-content: space-around;
    justify-evenly     justify-content: space-evenly;
-->
<!-- items-start      align-items: flex-start;
    items-end        align-items: flex-end;
    items-center     align-items: center;
    items-baseline   align-items: baseline;
    items-stretch    align-items: stretch;
-->
<div class="flex items-center justify-center h-72 w-100 bg-rose-500">
  <div class="order-4 p-10 border border-blue-600 bg-blue-100">01</div>
  <div class="order-1 p-10 border border-blue-600 bg-blue-100">02</div>
  <div class="order-3 p-10 border border-blue-600 bg-blue-100">03</div>
  <div class="order-2 p-10 border border-blue-600 bg-blue-100">04</div>
</div>
```

```

<!--
    flex-wrap          flex-wrap: wrap;
    flex-wrap-reverse flex-wrap: wrap-reverse;
    flex-nowrap        flex-wrap: nowrap;

    gap: Space between the flex items;
-->
<div class="flex flex-wrap gap-4 justify-center h-72 w-100 bg-rose-500">
  <div class="p-10 border border-blue-600 bg-blue-100">01</div>
  <div class="p-10 border border-blue-600 bg-blue-100">02</div>
  <div class="p-10 border border-blue-600 bg-blue-100">03</div>
  <div class="p-10 border border-blue-600 bg-blue-100">04</div>
  <div class="p-10 border border-blue-600 bg-blue-100">05</div>
  <div class="p-10 border border-blue-600 bg-blue-100">06</div>
  <div class="p-10 border border-blue-600 bg-blue-100">07</div>
  <div class="p-10 border border-blue-600 bg-blue-100">08</div>
</div>

```

Grow and Shrink

```

<!-- Grow and shrink -->
<div class="flex w-100 bg-gray-300">
  <!-- flex-none: Prevent item from growing or shrinking -->
  <div class="w-64 flex-none p-10 border border-blue-600 bg-blue-100">01</div>
  <!-- flex-initial: Allow item to shrink but not grow, taking into account
  its initial size -->
  <div class="w-64 flex-initial p-10 border border-blue-600 bg-blue-100">
    02</div>
  <!-- flex-auto: Allow item to grow and shrink, taking into account its
  initial size -->
  <div class="w-64 flex-auto p-10 border border-blue-600 bg-blue-100">03</div>
  <!-- flex-1: Allow item to grow and shrink as needed, ignoring its initial
  size -->
  <div class="w-64 flex-1 p-10 border border-blue-600 bg-blue-100">04</div>
</div>

```

Grid

Grid cols and rows

```

<!--
  Grid Template Columns
  grid-cols-1      grid-template-columns: repeat(1, minmax(0, 1fr));
  .....
  grid-cols-12     grid-template-columns: repeat(12, minmax(0, 1fr));
  grid-cols-none   grid-template-columns: none;
-->

<!-- Grid Template Rows
  grid-rows-1      grid-template-rows: repeat(1, minmax(0, 1fr));
  ....
  grid-rows-6      grid-template-rows: repeat(6, minmax(0, 1fr));
  grid-rows-none   grid-template-rows: none;
-->

<div class="grid grid-cols-3 grid-rows-4 gap-4 w-100 bg-gray-100">
  <div class="p-10 border border-blue-600 bg-blue-100">01</div>
  <div class="p-10 border border-blue-600 bg-blue-100">02</div>
  <div class="p-10 border border-blue-600 bg-blue-100">03</div>
  <div class="p-10 border border-blue-600 bg-blue-100">04</div>
  <div class="p-10 border border-blue-600 bg-blue-100">05</div>
  <div class="p-10 border border-blue-600 bg-blue-100">06</div>
  <div class="p-10 border border-blue-600 bg-blue-100">07</div>
  <div class="p-10 border border-blue-600 bg-blue-100">08</div>
  <div class="p-10 border border-blue-600 bg-blue-100">09</div>
</div>

```

col and row span

```

<div class="grid grid-cols-3 gap-4 w-100 bg-gray-100">
  <div class="col-span-2 row-span-2 p-10 border border-blue-600 bg-blue-100">
    01</div>
  <div class="p-10 border border-blue-600 bg-blue-100">02</div>
  <div class="p-10 border border-blue-600 bg-blue-100">03</div>
  <div class="p-10 border border-blue-600 bg-blue-100">04</div>

```

```
<div class="p-10 border border-blue-600 bg-blue-100">05</div>
<div class="p-10 border border-blue-600 bg-blue-100">06</div>
<div class="col-span-3 p-10 border border-blue-600 bg-blue-100">07</div>
<div class="p-10 border border-blue-600 bg-blue-100">08</div>
<div class="col-span-2 p-10 border border-blue-600 bg-blue-100">09</div>
</div>
```

Transition and Transform

```
<button
  class="px-8 py-2 m-24 text-white bg-blue-500 rounded transition-colors
  duration-700 hover:bg-yellow-700">Hello</button>

<button
  class="px-8 py-2 m-24 text-white bg-blue-500 rounded hover:bg-blue-700
  hover:scale-150 transition-transform duration-1000">Hello Again</button>

<!-- Transition Property
  transition-none
  transition-all
  transition-colors
  transition-opacity
  transition-shadow
  -->

<!--
  Duration
  duration-75    transition-duration: 75ms;
  ....
  duration-1000  transition-duration: 1000ms;
  -->

<!-- Timing Function
  ease-linear, ease-in, ease-out, ease-in-out
  -->
```



```
<!-- Delay
  delay-75    transition-delay: 75ms;
  ....
  delay-1000  transition-delay: 1000ms;
  -->

<!-- TRANSFORMS -->
<!-- Scale
  scale-0      transform: scale(0);
  scale-x-0    transform: scaleX(0);
  scale-y-0    transform: scaleY(0);
  scale-50     transform: scale(.5);
  ....
  scale-x-150  transform: scaleX(1.5);
  scale-y-150  transform: scaleY(1.5);
  -->

<!-- Rotate
  rotate-0     transform: rotate(0deg);
  ....
  rotate-180   transform: rotate(180deg);
  -->

<!-- Translate
  translate-x-0 transform: translateX(0px);
  translate-y-0 transform: translateY(0px);
  ....
  translate-x-96 transform: translateX(24rem);
  translate-y-96 transform: translateY(24rem);
  translate-x-1/2 transform: translateX(50%);
  ....
  translate-x-full transform: translateX(100%);
  translate-y-1/2 transform: translateY(50%);
  ....
  translate-y-full transform: translateY(100%);
  -->

<!-- Skew
```

```
skew-x-0 transform: skewX(0deg);  
skew-y-0 transform: skewY(0deg);  
skew-x-12 transform: skewX(12deg);  
skew-y-12 transform: skewY(12deg);  
-->
```

#####Thankyou#####