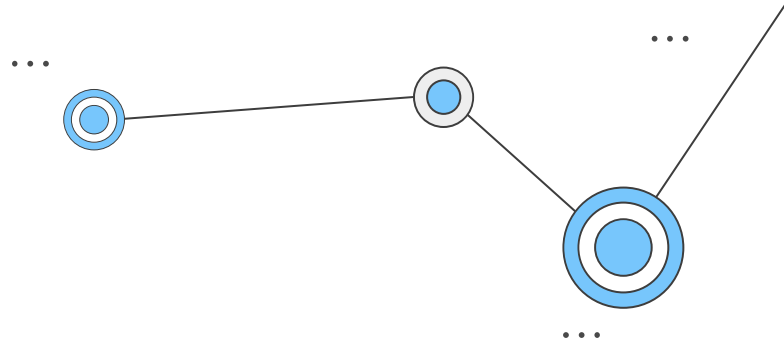
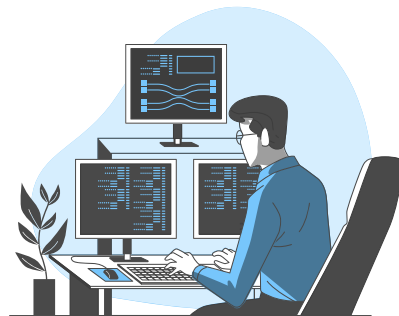


tailwindcss



Khóa học Frontend

Bài 15: Học Tailwind CSS (Tiết 1)



Nội dung

01

Khái niệm

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Cấu hình project

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Typography

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Borders

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Spacing

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08

Layout

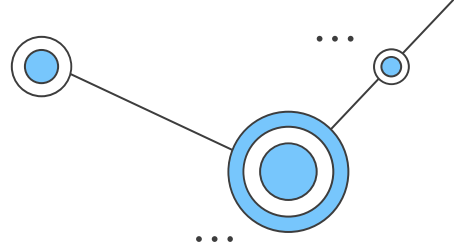
...



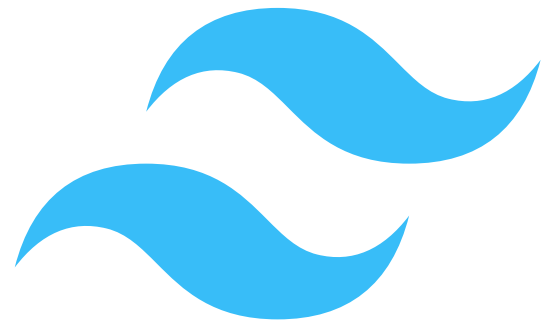
01

Khái niệm

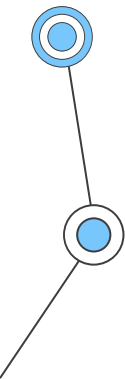
01. Khái niệm



- Tailwind CSS là một framework CSS.
- **Cung cấp các class CSS** để tạo ra giao diện **hiện đại, nhanh chóng** và **linh hoạt**.
- Trang chủ: <https://tailwindcss.com>



tailwindcss

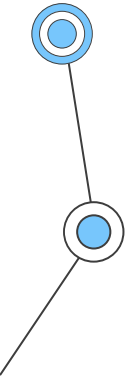
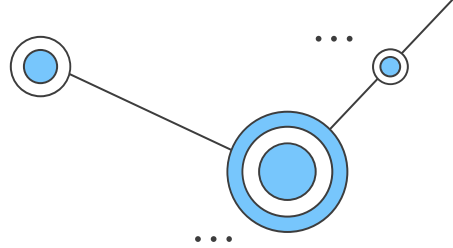


02

Cấu hình project

02. Cấu hình project

- *Hướng dẫn trong buổi học.*





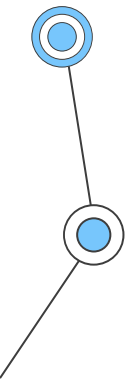
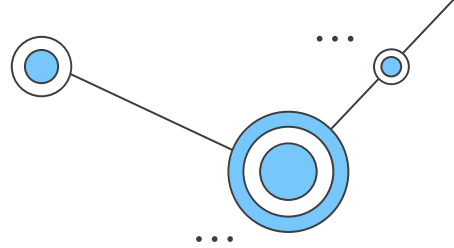
03

Typography



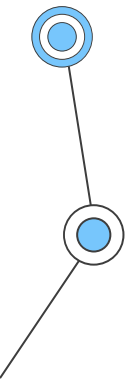
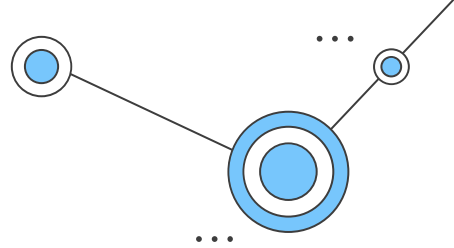
3.1. Font Size

Class	Thuộc tính
text-xs	font-size: 12px;
text-sm	font-size: 14px;
text-base	font-size: 16px;
text-lg	font-size: 18px;
text-xl	font-size: 20px;
text-2xl	font-size: 24px;
text-3xl	font-size: 30px;
text-4xl	font-size: 36px;
text-5xl	font-size: 48px;
text-6xl	font-size: 60px;
text-7xl	font-size: 72px;
text-8xl	font-size: 96px;
text-9xl	font-size: 128px;
text-[value]	font-size: value;



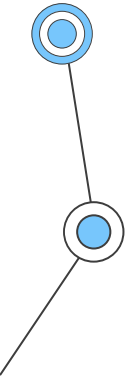
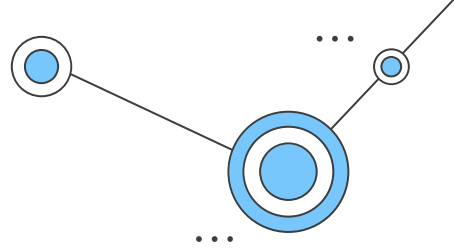
3.2. Font Style

Class	Thuộc tính
italic	font-style: italic;
not-italic	font-style: normal;



3.3. Font Weight

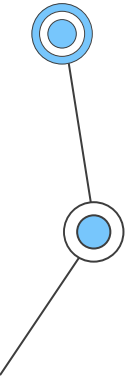
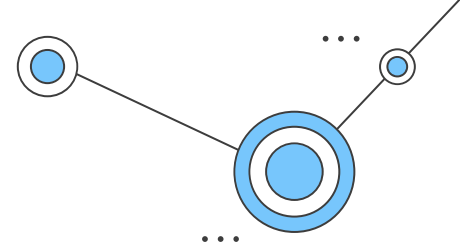
Class	Thuộc tính
font-thin	font-weight: 100;
font-extralight	font-weight: 200;
font-light	font-weight: 300;
font-normal	font-weight: 400;
font-medium	font-weight: 500;
font-semibold	font-weight: 600;
font-bold	font-weight: 700;
font-extrabold	font-weight: 800;
font-black	font-weight: 900;



3.4. Line Clamp

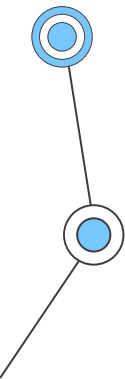
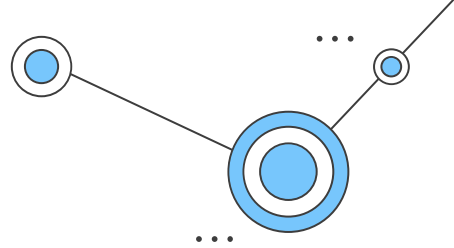
Kiểu như số lượng dòng tối đa,
nếu vượt qua sẽ bị ẩn

Class	Ý nghĩa
line-clamp-1	1 dòng
line-clamp-2	2 dòng
line-clamp-3	3 dòng
line-clamp-4	4 dòng
line-clamp-5	5 dòng
line-clamp-6	6 dòng
line-clamp-none	Như ban đầu
line-clamp-[value]	value: số lượng dòng



3.5. Text Align

Class	Thuộc tính
text-left	text-align: left;
text-center	text-align: center;
text-right	text-align: right;
text-justify	text-align: justify;

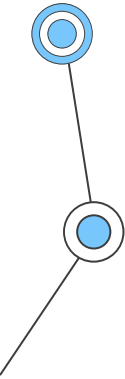
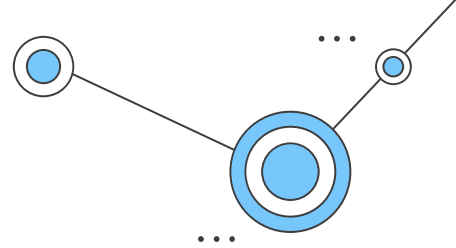


3.6. Text Color

trong suốt

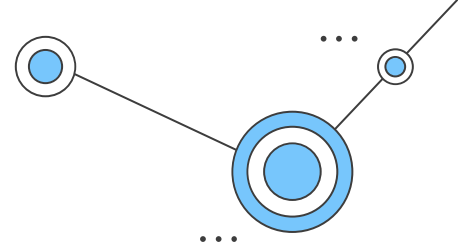


Class	Thuộc tính
text-transparent	color: transparent;
text-[value]	color: value;



3.7. Text Transform

Class	Thuộc tính
uppercase	text-transform: uppercase;
lowercase	text-transform: lowercase;
capitalize	text-transform: capitalize;
normal-case	text-transform: none;





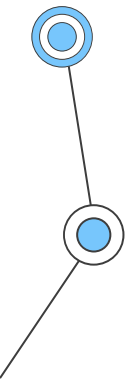
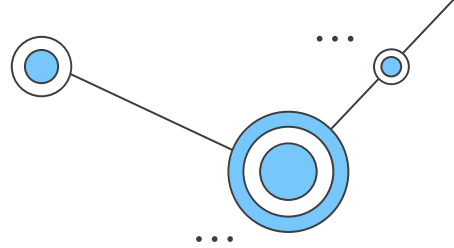
04

Borders



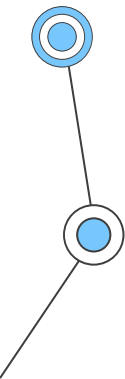
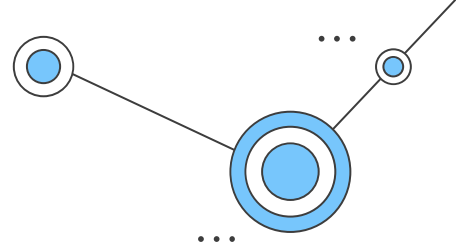
4.1. Border Width

Class	Thuộc tính
border-0	border-width: 0px;
border	border-width: 1px;
border-2	border-width: 2px;
border-4	border-width: 4px;
border-8	border-width: 8px;
border-[value]	border-width: value;



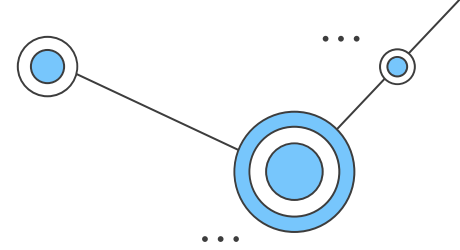
4.2. Border Color

Class	Thuộc tính
border-transparent	border-color: transparent;
border-[value]	border-color: value;



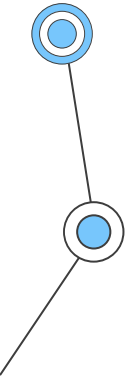
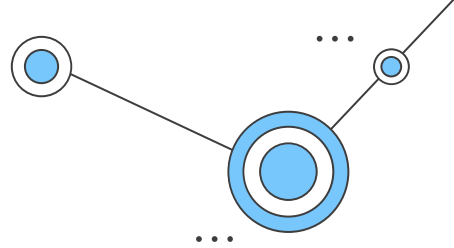
4.3. Border Style

Class	Thuộc tính
border-solid	border-style: solid;
border-dashed	border-style: dashed;
border-dotted	border-style: dotted;
border-hidden	border-style: hidden;
border-none	border-style: none;



4.4. Border Radius

Class	Thuộc tính
rounded-none	border-radius: 0px;
rounded-sm	border-radius: 2px;
rounded	border-radius: 4px;
rounded-md	border-radius: 6px;
rounded-lg	border-radius: 8px;
rounded-xl	border-radius: 12px;
rounded-2xl	border-radius: 16px;
rounded-3xl	border-radius: 24px;
rounded-full	border-radius: 9999px;
rounded-[value]	border-radius: value;





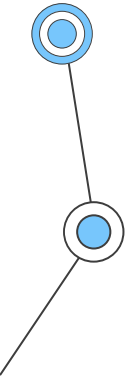
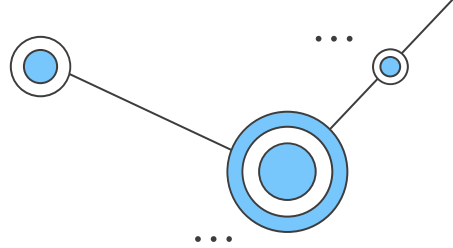
05

Spacing



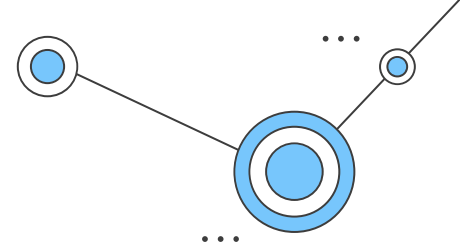
5.1. Padding

Class	Thuộc tính
p-0	padding: 0px;
p-0.5	padding: 2px;
p-1	padding: 4px;
p-2	padding: 8px;
p-3	padding: 12px;
p-4	padding: 16px;
...	...
p-[value]	padding: value;



5.2. Margin

Class	Thuộc tính
m-0	margin: 0px;
m-0.5	margin: 2px;
m-1	margin: 4px;
m-2	margin: 8px;
m-3	margin: 12px;
m-4	margin: 16px;
m-auto	margin: auto;
...	...
m-[value]	margin: value;





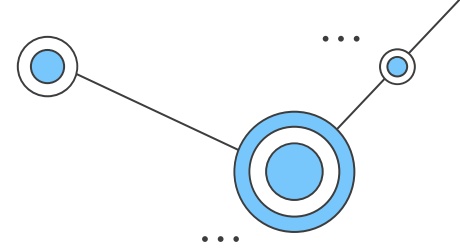
06

Sizing



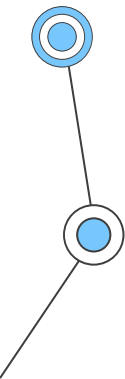
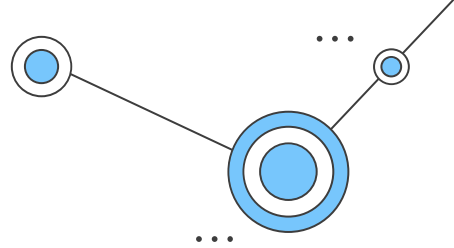
6.1. Width

Class	Thuộc tính
w-0	width: 0px;
w-0.5	width: 2px;
w-1	width: 4px;
w-2	width: 8px;
w-3	width: 12px;
w-4	width: 16px;
w-auto	width: auto;
w-1/2	width: 50%;
w-1/3	width: 33.333333%;
w-2/3	width: 66.666667%;
w-full	width: 100%;
...	...
w-[value]	width: value;



6.2. Height

Class	Thuộc tính
h-0	height: 0px;
h-0.5	height: 2px;
h-1	height: 4px;
h-2	height: 8px;
h-3	height: 12px;
h-4	height: 16px;
h-auto	height: auto;
h-1/2	height: 50%;
h-1/3	height: 33.333333%;
h-2/3	height: 66.666667%;
h-full	height: 100%;
...	...
h-[value]	height: value;





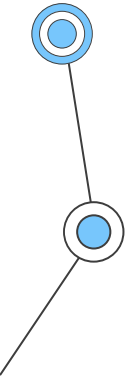
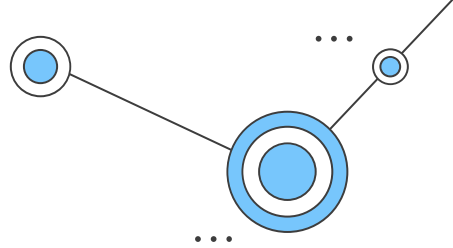
07

Backgrounds



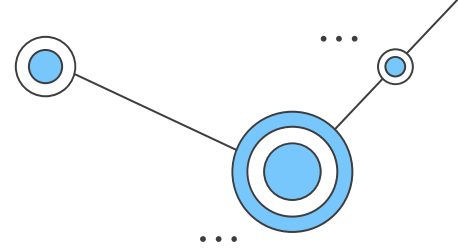
7.1. Background Color

Class	Thuộc tính
bg-transparent	background-color: transparent;
bg-[value]	background-color: value;



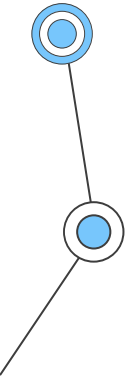
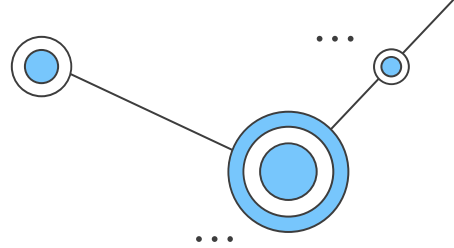
7.2. Background Image

Class	Thuộc tính
bg-none	background-image: none;
bg-[url('link...')]	background-image: url('link...');



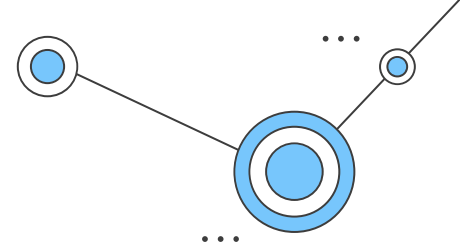
7.3. Background Size

Class	Thuộc tính
bg-auto	background-size: auto;
bg-cover	background-size: cover;
bg-contain	background-size: contain;
bg-[length:width_height]	width: Chiều rộng height: Chiều cao



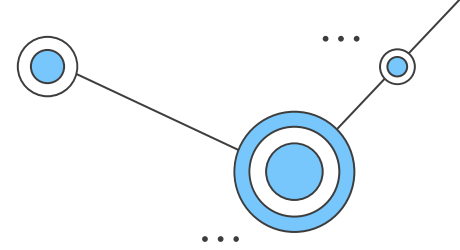
7.4. Background Repeat

Class	Thuộc tính
bg-repeat	background-repeat: repeat;
bg-no-repeat	background-repeat: no-repeat;
bg-repeat-x	background-repeat: repeat-x;
bg-repeat-y	background-repeat: repeat-y;



7.5. Background Position

Class	Thuộc tính
bg-bottom	background-position: bottom;
bg-center	background-position: center;
bg-left	background-position: left;
bg-left-bottom	background-position: left bottom;
bg-left-top	background-position: left top;
bg-right	background-position: right;
bg-right-bottom	background-position: right bottom;
bg-right-top	background-position: right top;
bg-top	background-position: top;





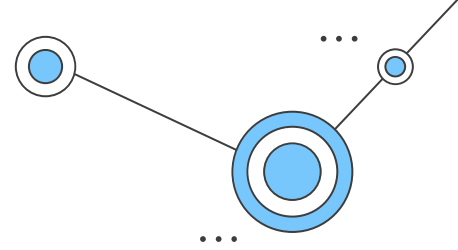
08

Layout



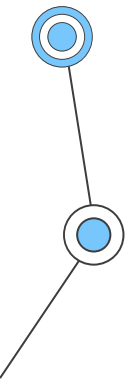
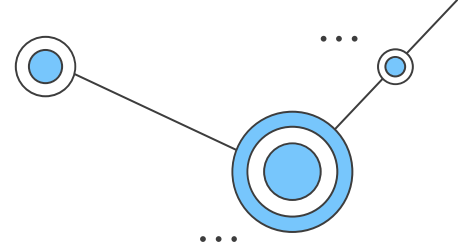
8.1. Aspect Ratio

Class	Thuộc tính
aspect-auto	aspect-ratio: auto;
aspect-square	aspect-ratio: 1 / 1;
aspect-video	aspect-ratio: 16 / 9;
aspect-[width/height]	aspect-ratio: width / height;



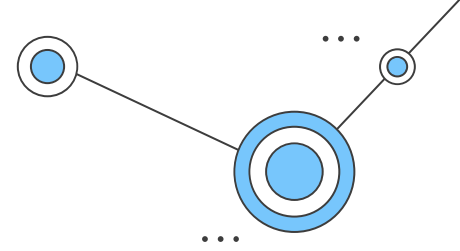
8.2. Container

Class	Điểm ngắt	Thuộc tính
container	None	width: 100%;
	sm (640px)	max-width: 640px;
	md (768px)	max-width: 768px;
	lg (1024px)	max-width: 1024px;
	xl (1280px)	max-width: 1280px;
	2xl (1536px)	max-width: 1536px;



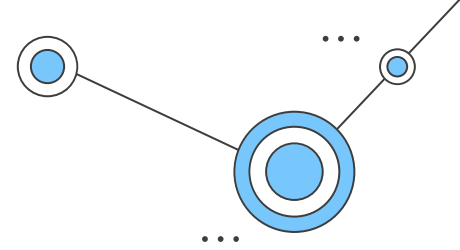
8.3. Display

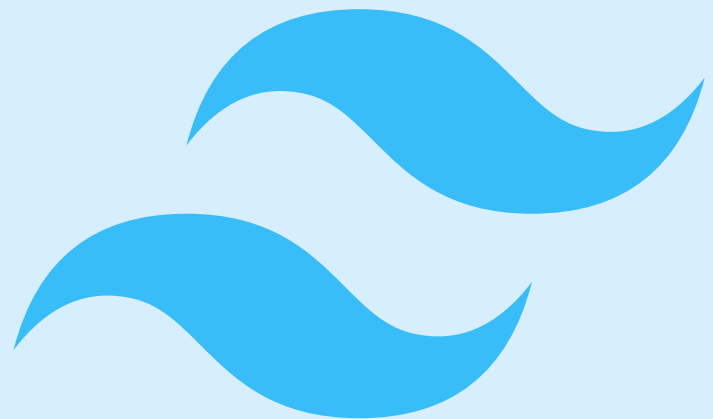
Class	Thuộc tính
block	display: block;
inline-block	display: inline-block;
inline	display: inline;
flex	display: flex;
inline-flex	display: inline-flex;
hidden	display: none;



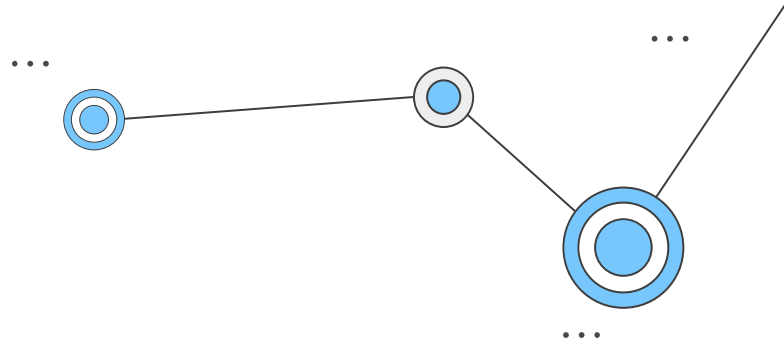
8.4. Object Fit

Class	Thuộc tính
object-contain	object-fit: contain;
object-cover	object-fit: cover;
object-none	object-fit: none;



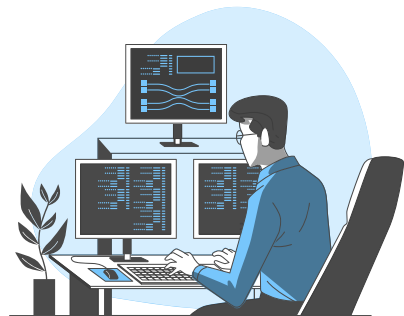


tailwindcss



Khóa học Frontend

Bài 16: Học Tailwind CSS (Tiết 2)



Nội dung

01

Layout (Tiếp)

...

02

Flexbox

...

03

Grid

...

04

Effects

...

05

Responsive Design

...

06

Theme Configuration
(Customization)

...

07

Giới thiệu Project 3
(Sử dụng Tailwind CSS)

...

08

Dựng cấu trúc thư mục

...

09

Dựng các file base

...





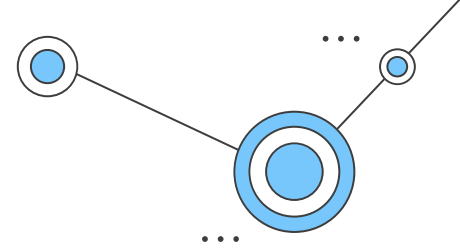
01

Layout (Tiếp)



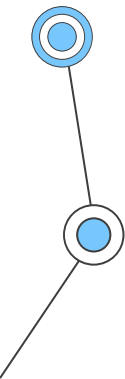
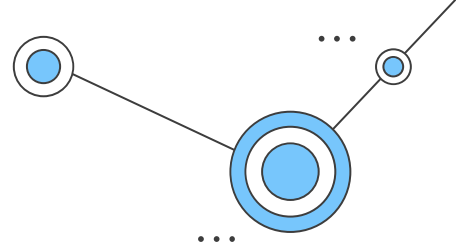
1.1. Overflow

Class	Thuộc tính
overflow-visible	overflow: visible;
overflow-hidden	overflow: hidden;
overflow-scroll	overflow: scroll;
overflow-auto	overflow: auto;



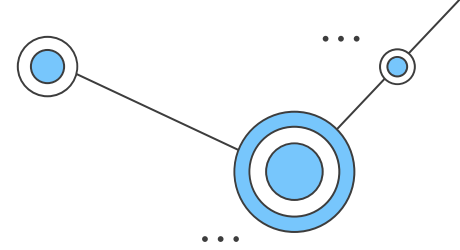
1.2. Position

Class	Thuộc tính
static	position: static;
fixed	position: fixed;
absolute	position: absolute;
relative	position: relative;
sticky	position: sticky;



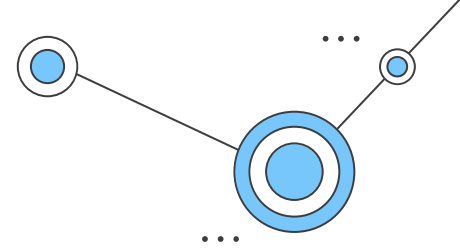
1.3. Top / Right / Bottom / Left

Class	Thuộc tính
top-0	top: 0px;
right-0	right: 0px;
bottom-0	bottom: 0px;
left-0	left: 0px;
top-0.5	top: 2px;
right-0.5	right: 2px;
bottom-0.5	bottom: 2px;
left-0.5	left: 2px;
top-1	top: 4px;
right-1	right: 4px;
bottom-1	bottom: 4px;
left-1	left: 4px;



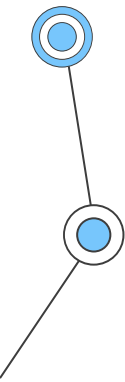
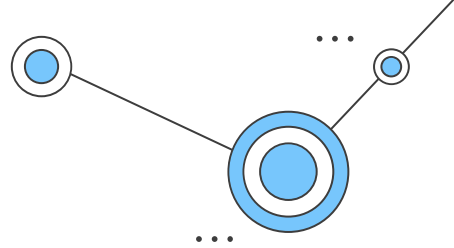
1.3. Top / Right / Bottom / Left

Class	Thuộc tính
top-2	top: 8px;
right-2	right: 8px;
bottom-2	bottom: 8px;
left-2	left: 8px;
...	...
top-[value]	top: value;
right-[value]	right: value;
bottom-[value]	bottom: value;
left-[value]	left: value;



1.4. Z-Index

Class	Thuộc tính
z-0	z-index: 0;
z-10	z-index: 10;
z-20	z-index: 20;
z-30	z-index: 30;
z-40	z-index: 40;
z-50	z-index: 50;
z-[value]	z-index: value;





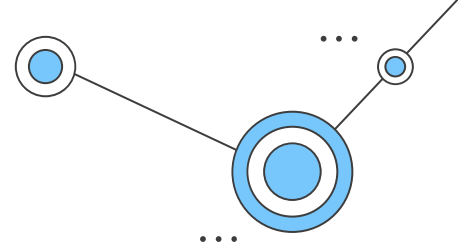
02

Flexbox



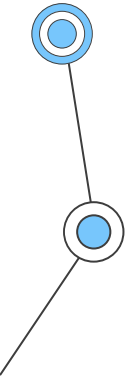
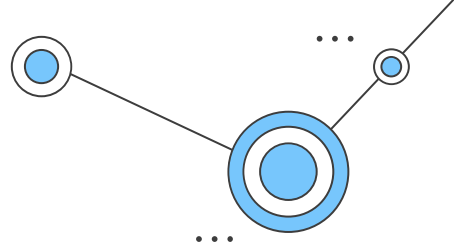
2.1. Flex Direction

Class	Thuộc tính
flex-row	flex-direction: row;
flex-row-reverse	flex-direction: row-reverse;
flex-col	flex-direction: column;
flex-col-reverse	flex-direction: column-reverse;



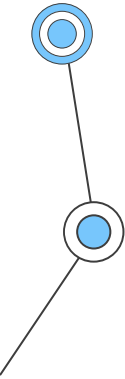
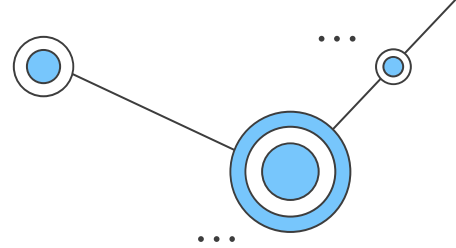
2.2. Flex Wrap

Class	Thuộc tính
flex-wrap	flex-wrap: wrap;
flex-wrap-reverse	flex-wrap: wrap-reverse;
flex-nowrap	flex-wrap: nowrap;



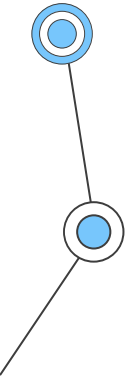
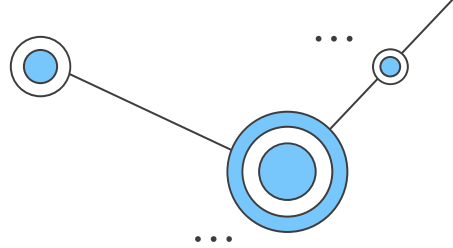
2.3. Order

Class	Thuộc tính
order-none	order: 0;
order-1	order: 1;
order-2	order: 2;
...	...
order-11	order: 11;
order-12	order: 12;
order-first	order: -9999;
order-last	order: 9999;
order-[value]	order: value;



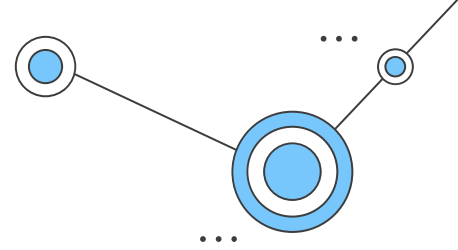
2.4. Justify Content

Class	Thuộc tính
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;



2.5. Align Items

Class	Thuộc tính
items-start	align-items: flex-start;
items-end	align-items: flex-end;
items-center	align-items: center;
items-stretch	align-items: stretch;





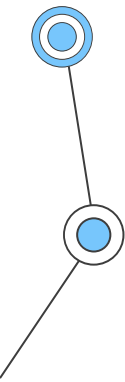
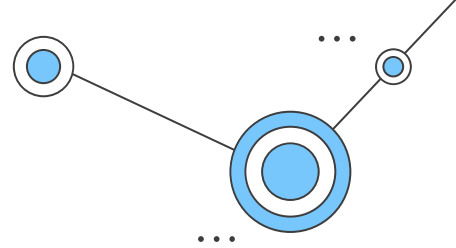
03

Grid



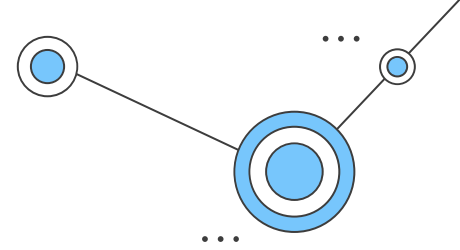
3.1. Grid Template Columns

Class	Thuộc tính
grid-cols-1	1 cột
grid-cols-2	2 cột
...	...
grid-cols-11	11 cột
grid-cols-12	12 cột



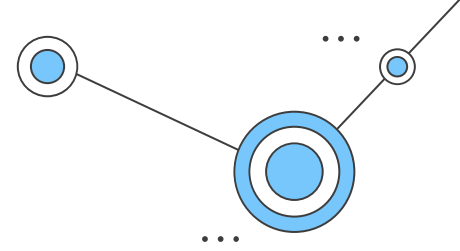
3.2. Gap

Class	Thuộc tính
gap-0	gap: 0px;
gap-0.5	gap: 2px;
gap-1	gap: 4px;
gap-2	gap: 8px;
...	...
gap-[value]	gap: value;



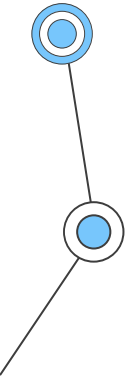
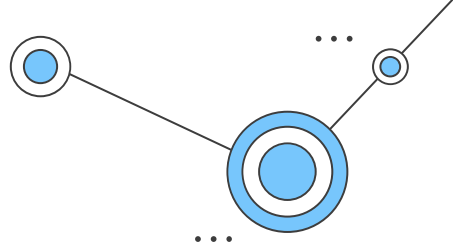
3.3. Grid Column Start / End

Class	Thuộc tính
col-span-1	Rộng 1 cột
col-span-2	Rộng 2 cột
...	...
col-span-11	Rộng 11 cột
col-span-12	Rộng 12 cột



3.4. Grid Row Start / End

Class	Thuộc tính
row-span-1	Cao 1 hàng
row-span-2	Cao 2 hàng
...	...
row-span-11	Cao 11 hàng
row-span-12	Cao 12 hàng





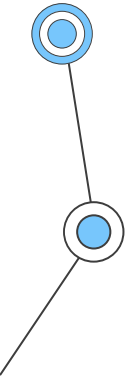
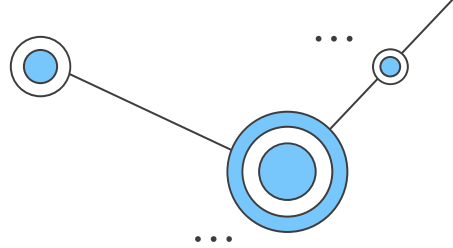
04

Effects



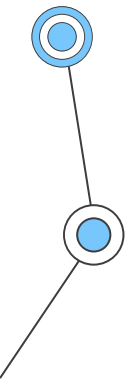
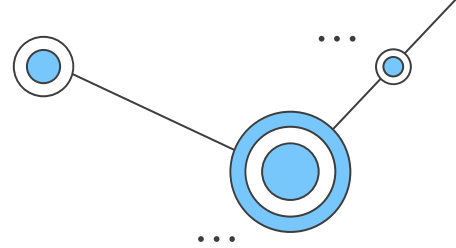
4.1. Box Shadow

- Tự nghiên cứu tại: <https://tailwindcss.com/docs/box-shadow>



4.2. Opacity

Class	Thuộc tính
opacity-0	opacity: 0;
opacity-10	opacity: 0.1;
opacity-20	opacity: 0.2;
opacity-30	opacity: 0.3;
...	...
opacity-90	opacity: 0.9;
opacity-100	opacity: 1;
opacity-[.value]	opacity: 0.value;





05

Responsive Design



05. Responsive Design

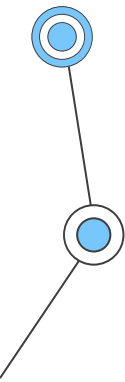
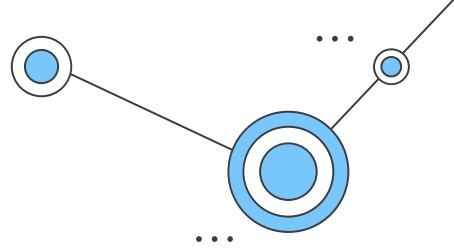
Điểm ngắt	Chiều rộng tối thiểu	CSS
sm	640px	@media (min-width: 640px) { ... }
md	768px	@media (min-width: 768px) { ... }
lg	1024px	@media (min-width: 1024px) { ... }
xl	1280px	@media (min-width: 1280px) { ... }
2xl	1536px	@media (min-width: 1536px) { ... }

06

Theme Configuration (Customization)

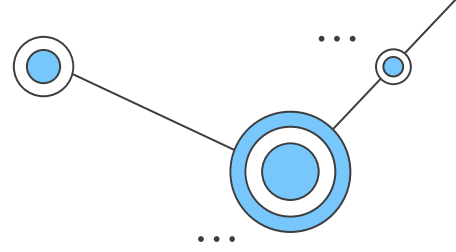
6.1. Screens

- *Hướng dẫn trong buổi học.*



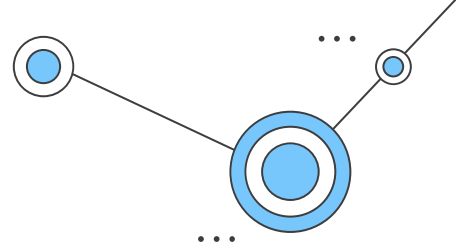
6.2. Colors

- *Hướng dẫn trong buổi học.*



6.3. Font Family

- *Hướng dẫn trong buổi học.*

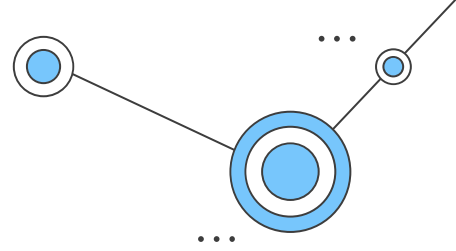


07

Giới thiệu Project 3 (Sử dụng Tailwind CSS)

07. Giới thiệu Project 3 (Sử dụng Tailwind CSS)

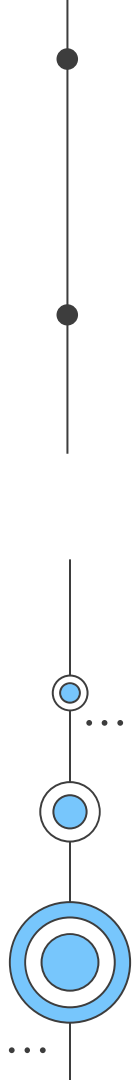
- Link Figma: *Gửi trong buổi học.*





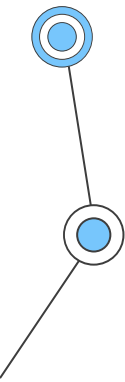
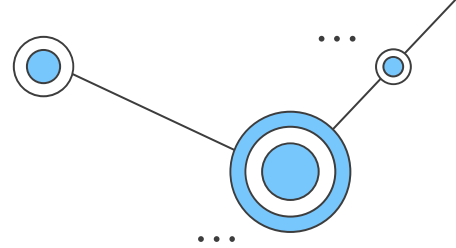
08

Dựng cấu trúc
thư mục



08. Dạng cấu trúc thư mục

- *Hướng dẫn trong buổi học.*





09

Dựng các file base



09. Dựnq các file base

- *Hướng dẫn trong buổi học.*

