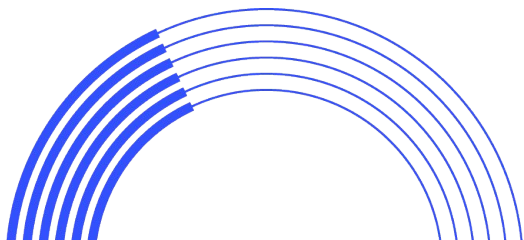


# tailwindcss Intro

xuechun / baurine @ 2021.03.11



# What



**Rapidly build modern websites without ever leaving your HTML.**

A **utility-first** CSS framework packed with classes like **flex**, **pt-4**, **text-center** and **rotate-90** that can be composed to build any design, directly in your markup.

# Semantic Classes



**ChitChat**

You have a new message!

```
<div class="chat-notification">
  <div class="chat-notification-logo-wrapper">
    
  </div>
  <div class="chat-notification-content">
    <h4 class="chat-notification-title">ChitChat</h4>
    <p class="chat-notification-message">You have a new message!</p>
  </div>
</div>
```

# Semantic Classes



```
<style>
.chat-notification {
  display: flex;
  max-width: 24rem;
  margin: 0 auto;
  padding: 1.5rem;
  border-radius: 0.5rem;
  background-color: #fff;
  box-shadow: 0 20px 25px -5px rgba(0, 0, 0, 0.1), 0 10px 10px -5px rgba(0,
0, 0, 0.04);
}
// ...
```

```
<div class="p-6 max-w-sm mx-auto bg-white rounded-xl shadow-md flex
items-center space-x-4">
  <div class="flex-shrink-0">
    
  </div>
  <div>
    <div class="text-xl font-medium text-black">ChitChat</div>
    <p class="text-gray-500">You have a new message!</p>
  </div>
</div>
```

# Utility Classes (Atom CSS)



```
.p-6 {  
  padding: 1.5rem;  
}  
  
.bg-white {  
  --tw-bg-opacity: 1;  
  background-color: rgba(255, 255, 255, var(--tw-bg-opacity));  
}  
  
.h-12 {  
  height: 3rem;  
}
```

# Semantic Vs Utility

---

- Semantic classes 其实并不好维护, 设计稍做调整可能类名就得跟着变, 样式也要修改
- Utility:
- (几乎) 不用再写单独的 css 文件
- 不用为 class name 取名烦恼
- 不用离开 HTML
- 看见 HTML 代码就能大概知道它的样式如何

# Bootstrap/Bulma Vs Utility

---

- Bootstrap/Bulma 提供封装好的 UI Components, 比如 表单, 卡片, Menu, Dropdown
- 好处是开箱即用, 缺点是需要定制时会麻烦一点, 可能需要覆写原来的样式
- TailwindCSS 它不是 UI framework, 只是 CSS framework, 没有提供任何封装好的 UI component, 自由度高。(目前也有收费的 UI component)



# Utility Vs Inline



- Tailwind CSS 是把所有样式写在 class 里面
- 内联样式是把所有样式写在 style 里面
- 区别？

# 有约束的设计

- 内联样式, 属性值随意使用
- 
- TailwindCSS, 从预先定义好的设计系统中选择样式 (比如 width 只能是 0.25 rem 的倍数, w-1, w-2 ...) 这样开发出来的页面, 视觉上会保持统一
- <https://tailwindcss.com/docs/width>
- 和 Bootstrap/Bulma/AntDesign 类似, 提供一套专业的设计风格, 比如颜色, 即使不懂设计, 做出来的东西也不会太差

# 有约束的设计



## Gray

colors.coolGray

50	100	200	300	400	500	600	700	800	900
#F9FAFB	#F3F4F6	#E5E7EB	#D1D5DB	#9CA3AF	#6B7280	#4B5563	#374151	#1F2937	#111827

## Red

colors.red

50	100	200	300	400	500	600	700	800	900
#FEF2F2	#FEE2E2	#FECACA	#FCA5A5	#F87171	#EF4444	#DC2626	#B91C1C	#991B1B	#7F1D1D

## Yellow

colors.amber

50	100	200	300	400	500	600	700	800	900
#FFFBE8	#FEF3C7	#FDE68A	#FCD34D	#FBBF24	#F59E0B	#D97706	#B45309	#92400E	#78350F

## Green

colors.emerald

50	100	200	300	400	500	600	700	800	900
#ECFDF5	#D1FAE5	#A7F3D0	#6EE7B7	#34D399	#10B981	#059669	#047857	#065F46	#064E3B

## Blue

colors.blue

50	100	200	300	400	500	600	700	800	900
#EFF6FF	#DBEAFE	#BFDDBF	#93C5FD	#60A5FA	#3B82F6	#2563EB	#1D4ED8	#1E40AF	#1E3A8A

## Indigo

colors.indigo

50	100	200	300	400	500	600	700	800	900
#EEF2FF	#E0E7FF	#C7D2FE	#A5B4FC	#818CF8	#6366F1	#4F46E5	#4338CA	#3730A3	#312E81

## Purple

colors.violet

50	100	200	300	400	500	600	700	800	900
#F5F3FF	#EDE9FE	#DDD6FE	#C4B5FD	#A78BFA	#8B5CF6	#7C3AED	#6D28D9	#5B21B6	#4C1D95

## Pink

colors.pink

50	100	200	300	400	500	600	700	800	900
#FDF2F8	#FCE7F3	#FBC02D	#F9A8D4	#F472B6	#EC4899	#DB2777	#BE185D	#9D174D	#831843

# 响应式设计

- 无法直接在内联样式里使用媒体查询
- 
- TailwindCSS 可以, "text-left lg:text-right"
- <https://play.tailwindcss.com/uHJEySveMh?layout=horizontal> (点击右上角的水平和垂直分栏查看效果)

```
<div class="p-6 text-left lg:text-right">Hello Tailwind</div>
```

# 直接实现 hover 等效果

- 无法直接在内联样式里使用 hover 等伪类
- 
- TailwindCSS 可以, "text-red-600  
hover:text-green-500"
- <https://play.tailwindcss.com/2Khq6fToVV>

```
<div class="p-6 text-red-600 hover:text-green-500">Hello Tailwind</div>
```

# 最佳实践和工具

---

- <https://www.smashingmagazine.com/2020/02/tailwindcss-react-project/> | Setting Up Tailwind CSS in A React Project
- <https://dev.to/joserfelix/6-tips-for-tailwind-css-development-with-resources-33i4> | 6 Tips for Tailwind CSS Development
- <https://tailblocks.cc/> | <https://github.com/mertJF/tailblocks>

# 缺点

- 类名太长 (CSS 代码转移到了 HTML 中)
- <https://play.tailwindcss.com/yZgOu3hfMT>

```
<div class="p-6">
  <a
    href="#"
    class="text-sm font-medium bg-purple-600 rounded-full py-4 px-11
text-white inline-block border border-solid shadow
hover:text-purple-600 hover:bg-white hover:border-purple-600
transition duration-300" role="button">
    Start Ticketing
  </a>
</div>
```

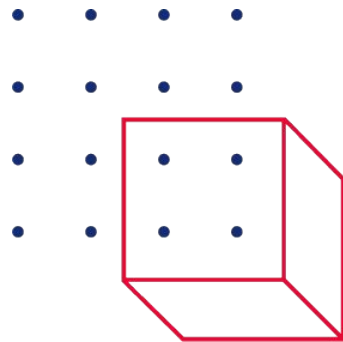
# 学习成本

---

- 类名太多，没有熟悉之前需要不停地查文档
- Tailwind CSS(可能)是名过其实的

[https://mp.weixin.qq.com/s/uSgejQX6StvkbUzk3Azap](https://mp.weixin.qq.com/s/uSgejQX6StvkbUzk3AzapW)  
[W](#)





# Q & A

