



1



Sass & CSS Design Pattern

讲者：廖洧杰

廖洧杰



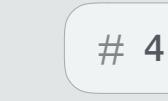
- 职称：前端工程师一枚
- 专长：Web Layout (Sass、RWD)
- 兴趣：线上协助超过 100 位投入前端开发
- 项目：Udemy 前端教育线上课程





3

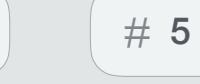
今天要和大家分享
CSS / Sass Design Pattern



4



在那之前先分享些数据

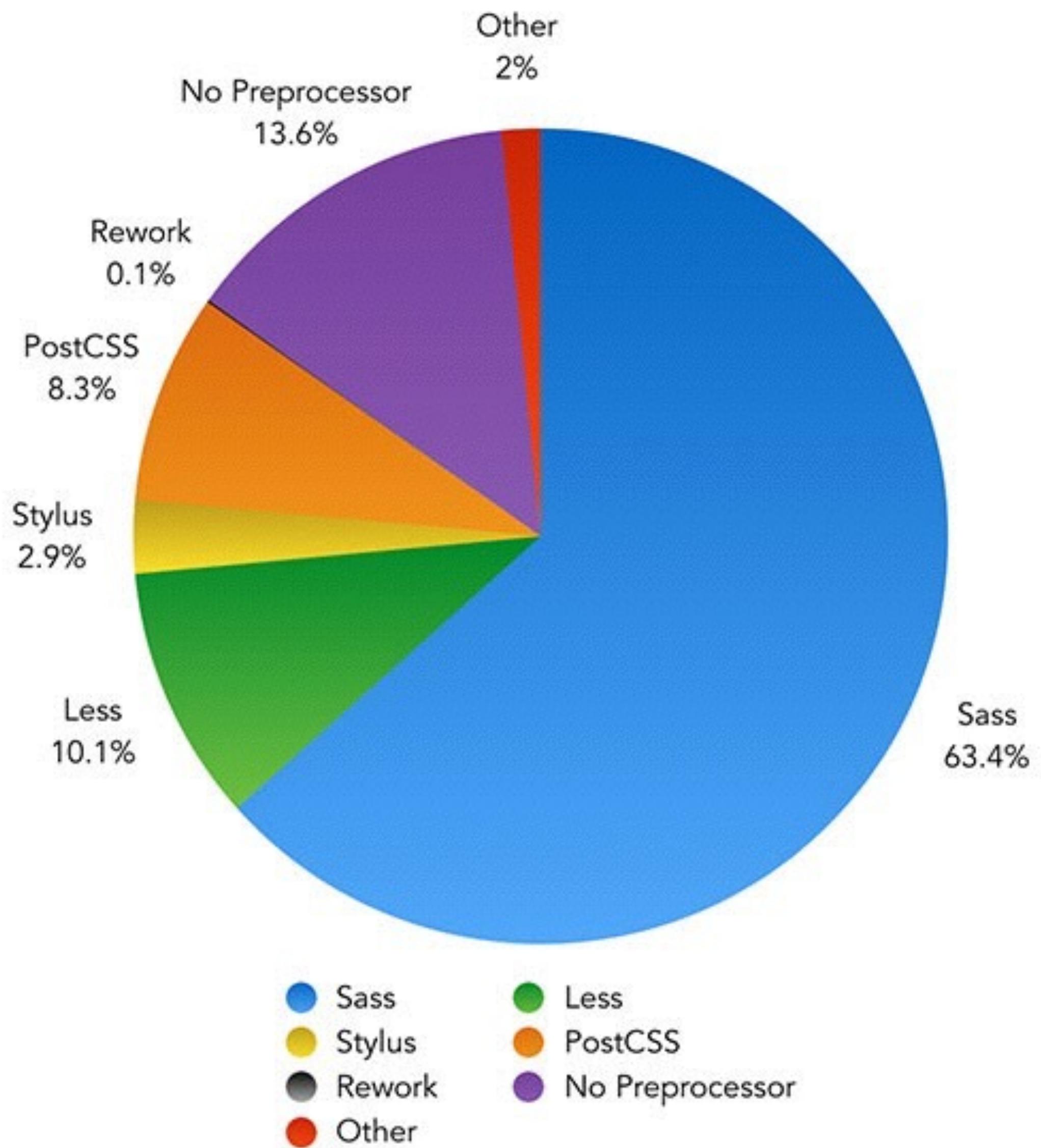


5

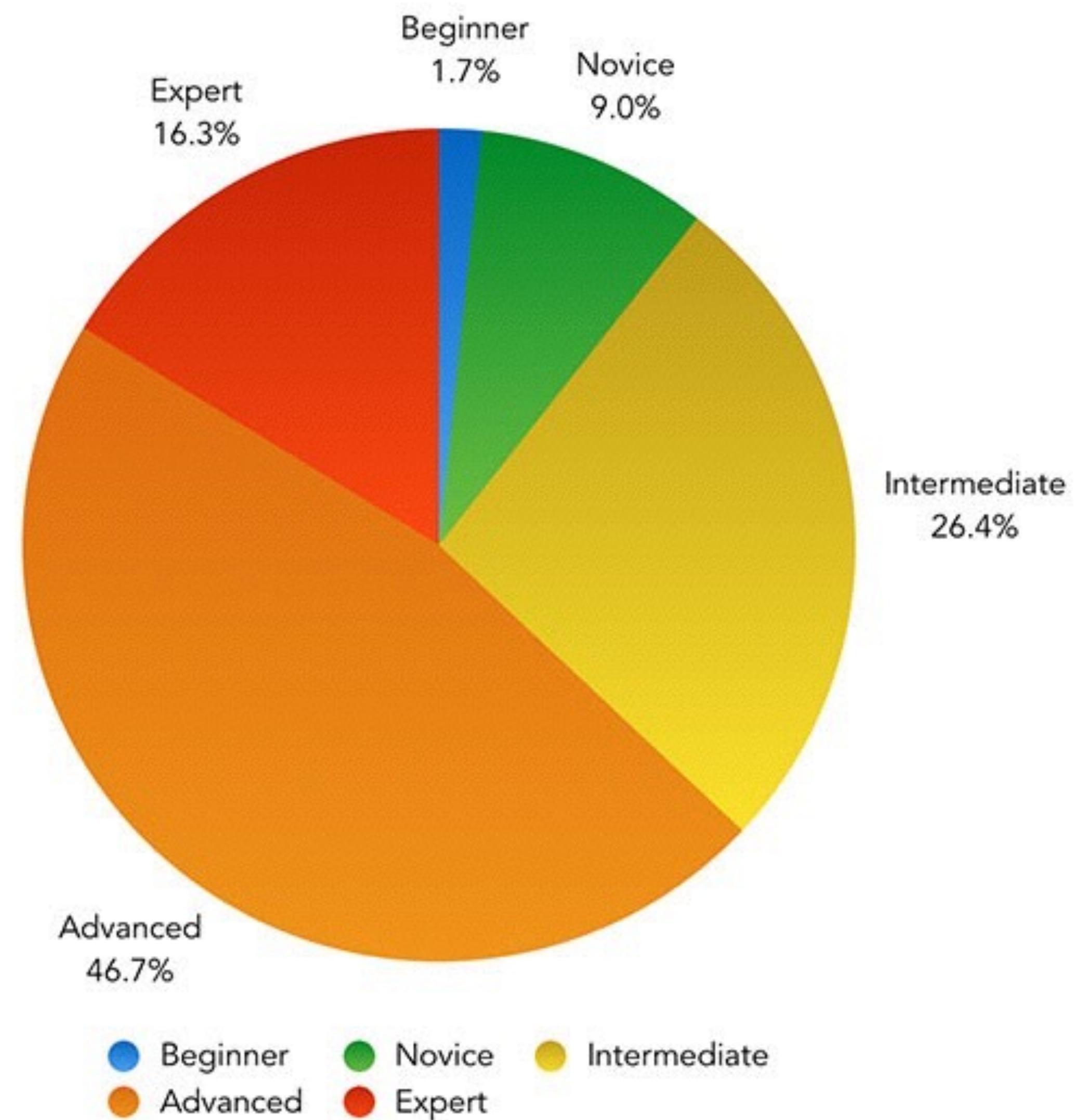
2016 年前端技术调查

样本数共 4715 份

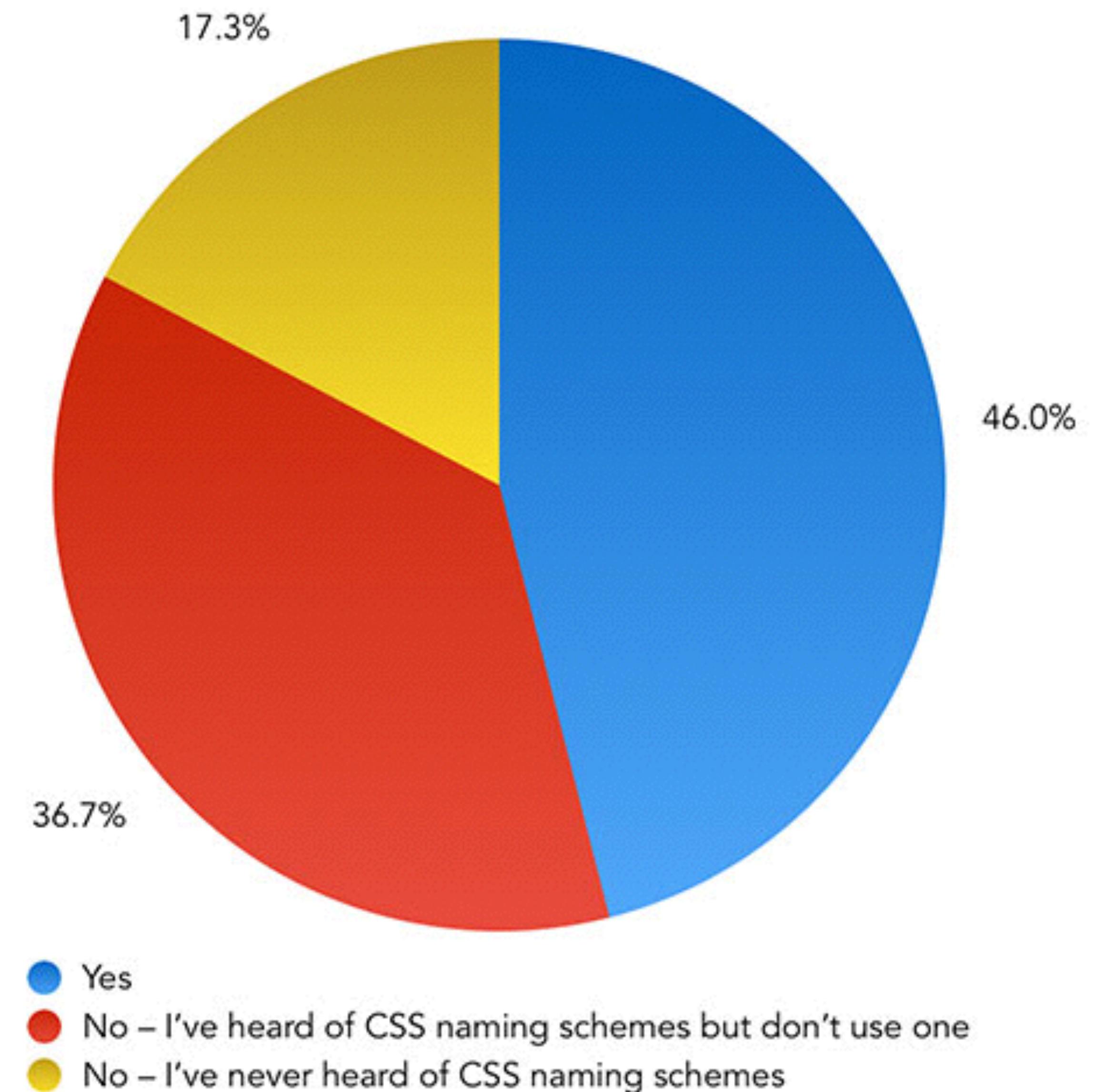
Sass 排名首位
13.6% 无使用预处理器



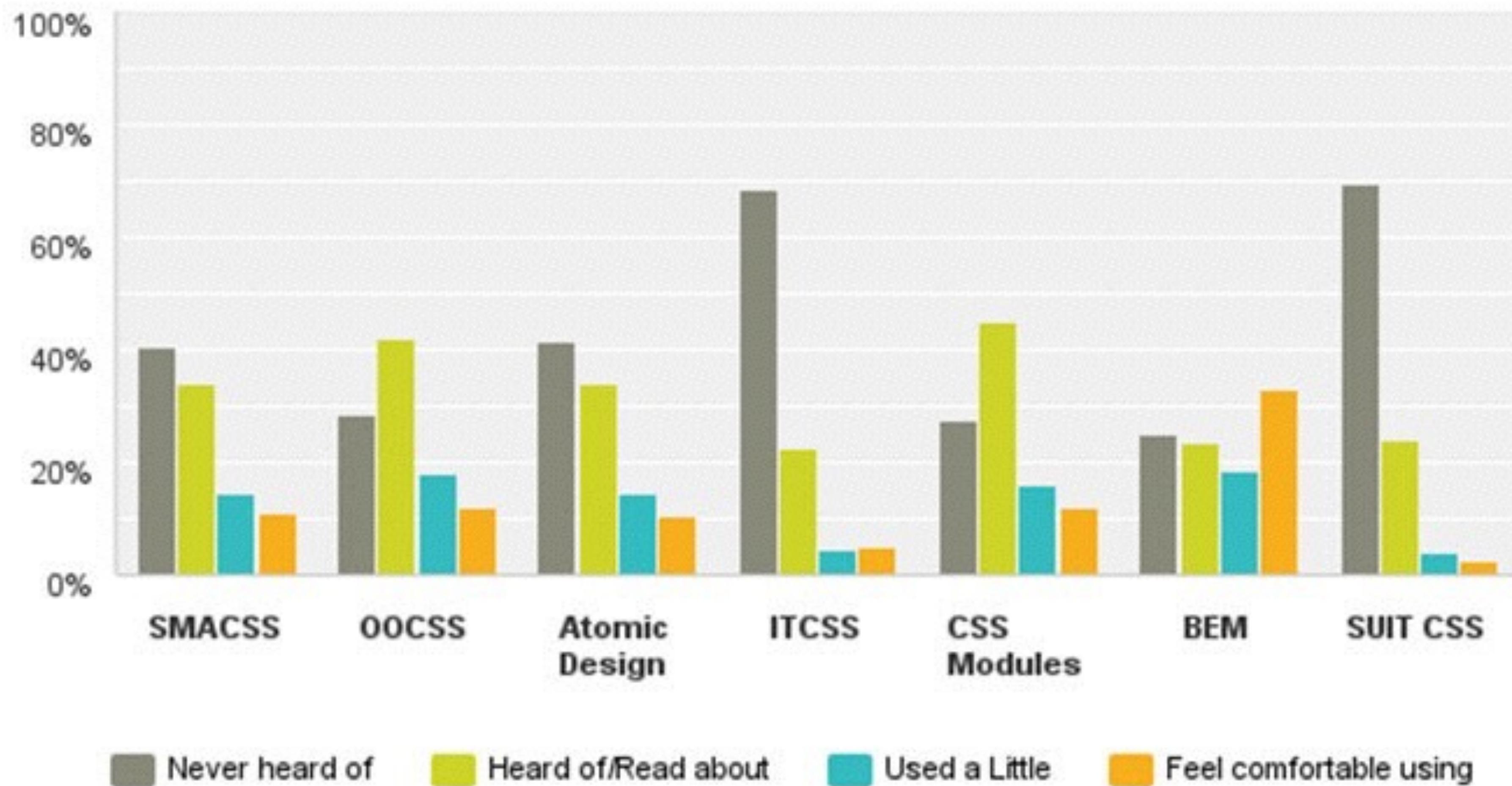
89.36%
CSS 在中级以上

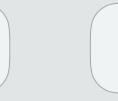


53.97%
無 CSS 命名习惯



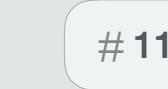
设计模式 BEM 排名首位





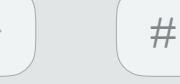
10

回归正題



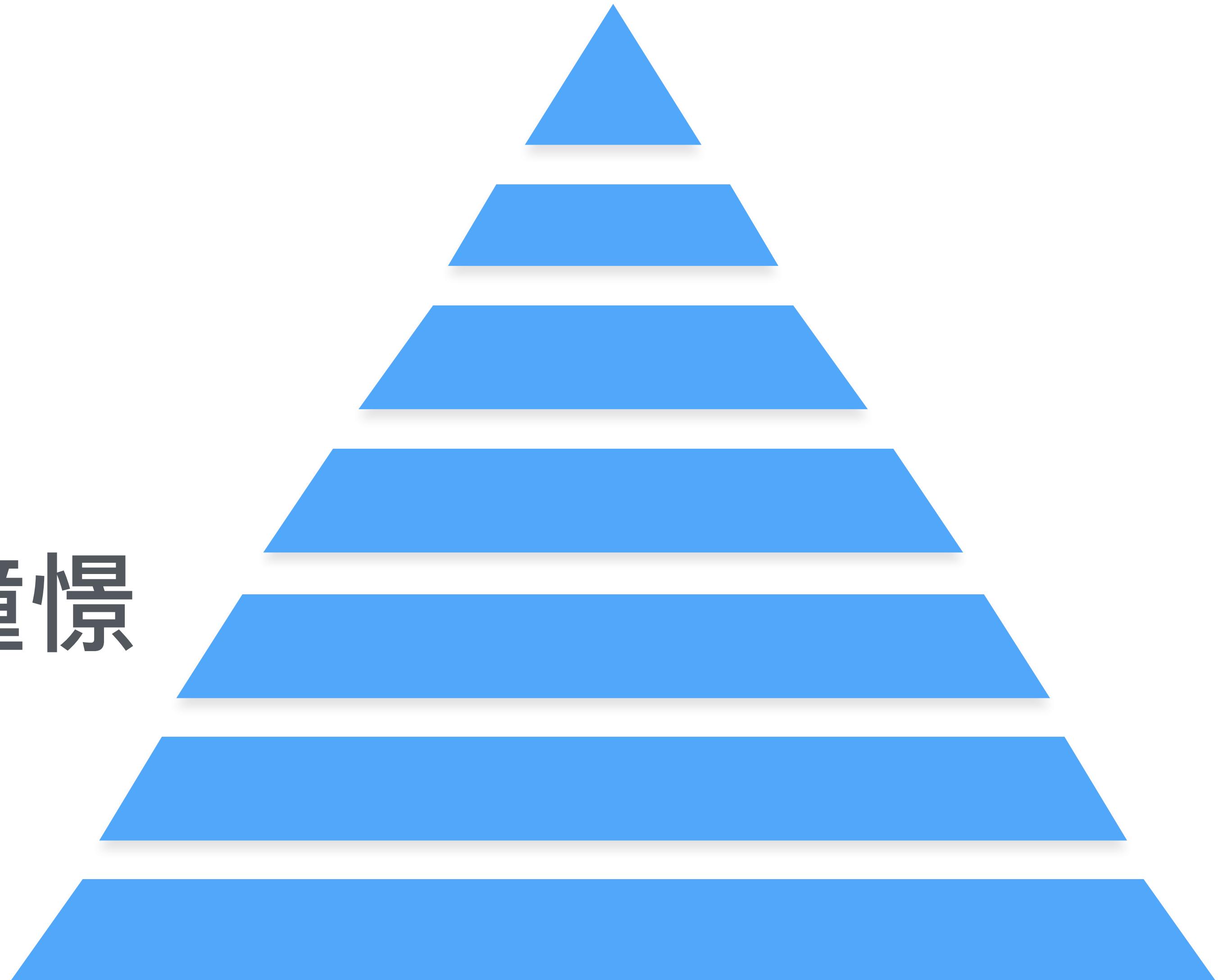
11

以宏观思维介绍设计模式



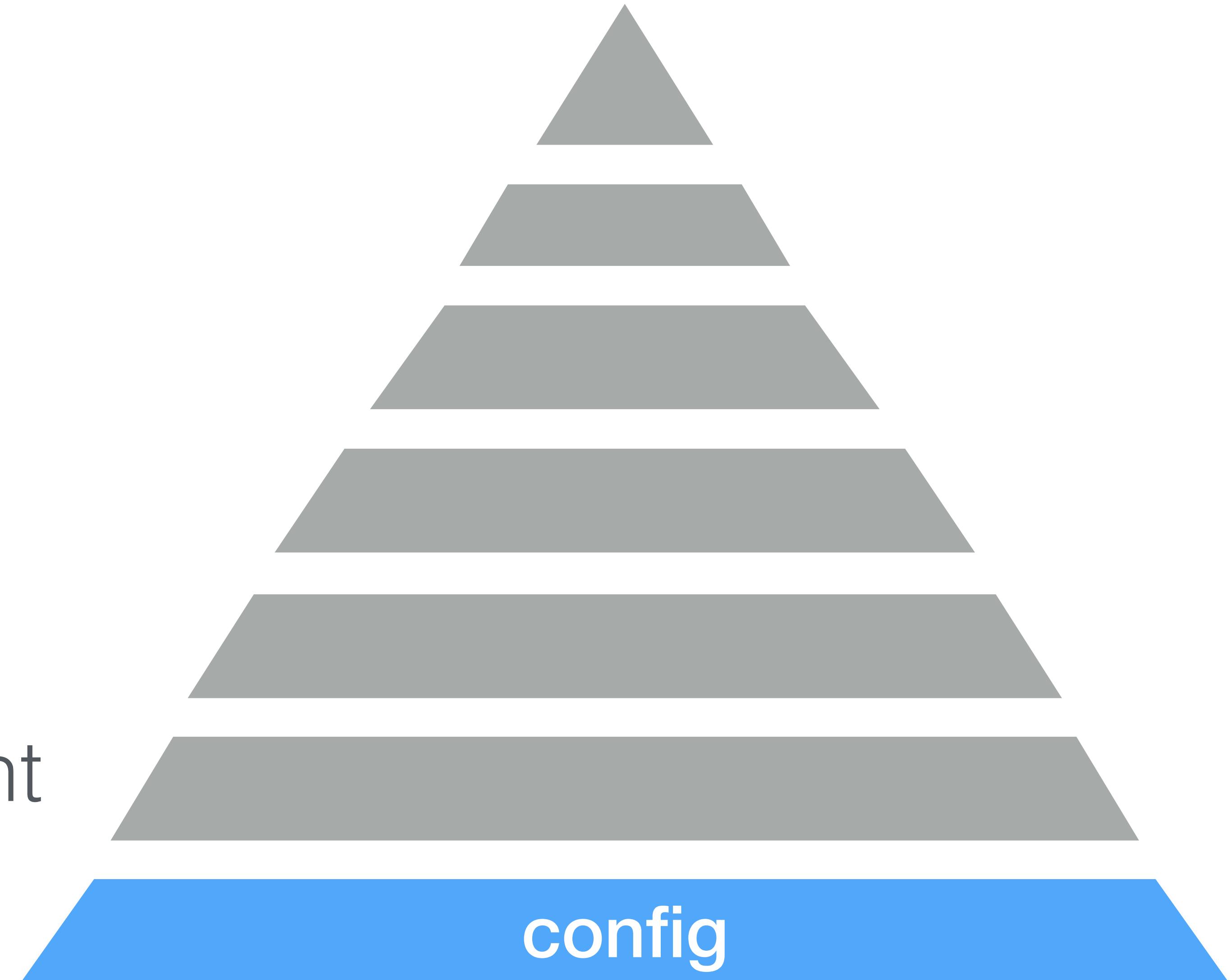
12

建构完善架构
是每位开发者的憧憬

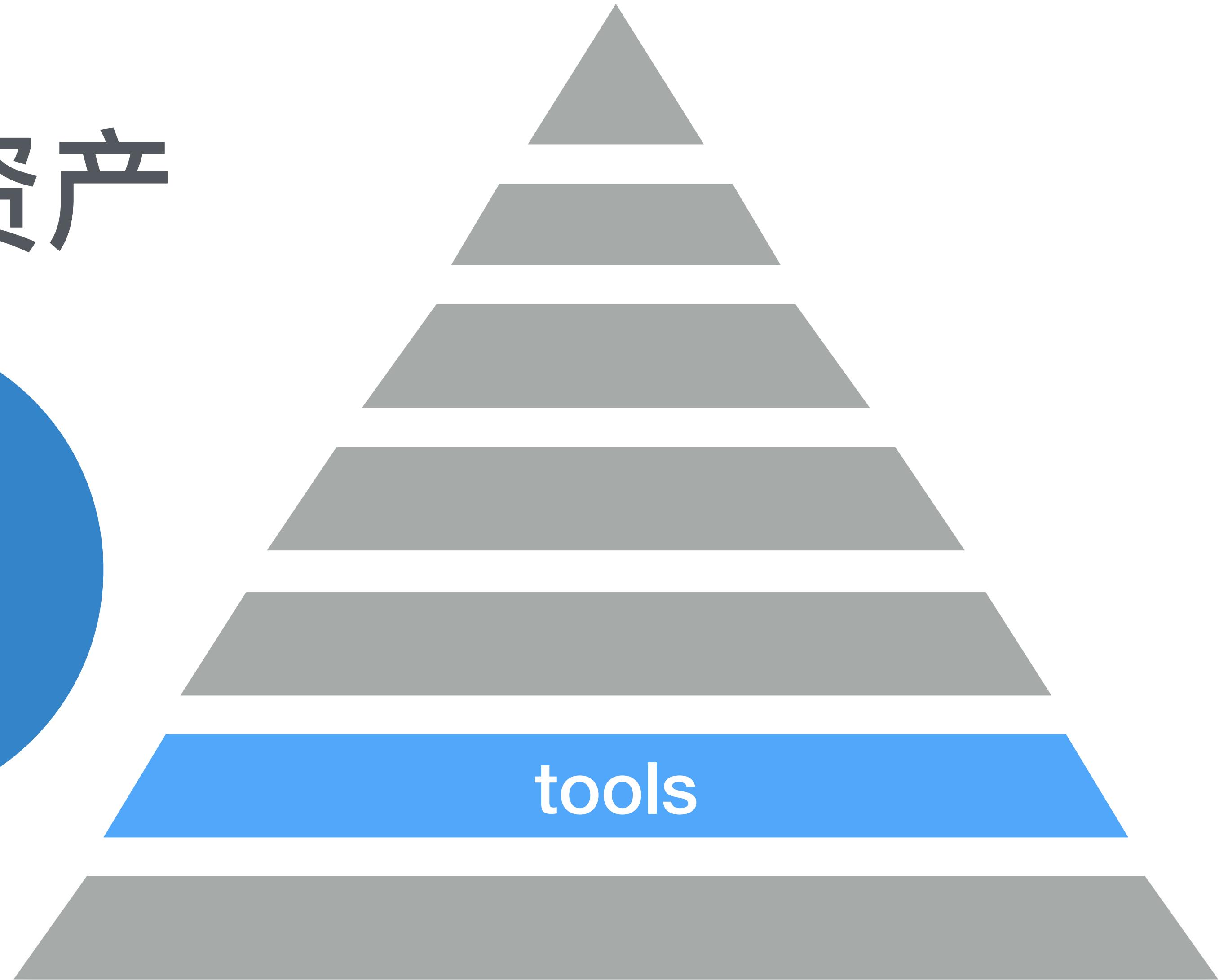
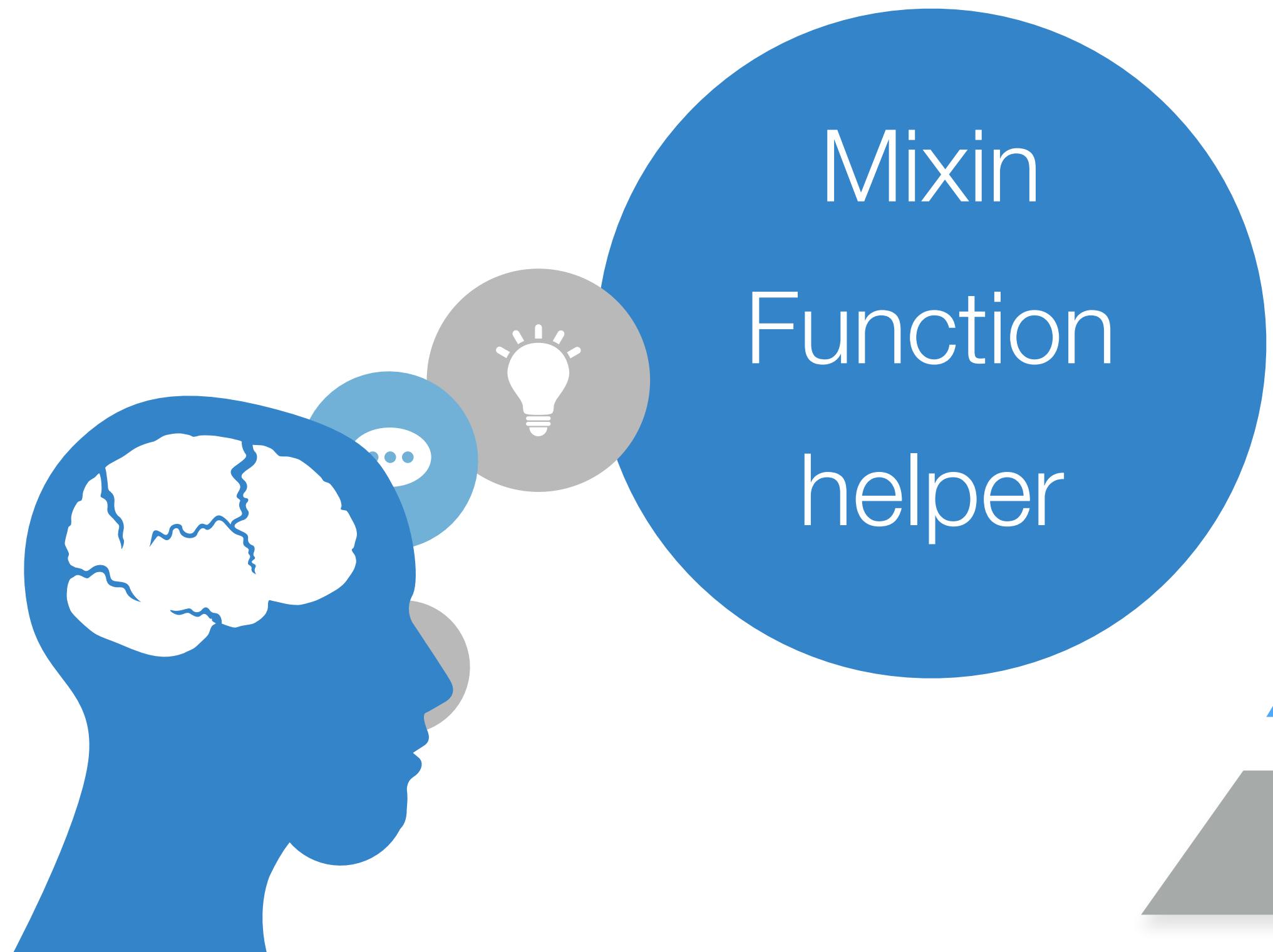


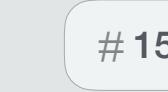
config

- 全域变量 variables
- 档案路径 path
- 前端任务 gulp、grunt



tools - 开发资产



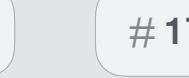


15

每天都在进化
网页排版细节

但大脑并记不了各种奇淫技巧

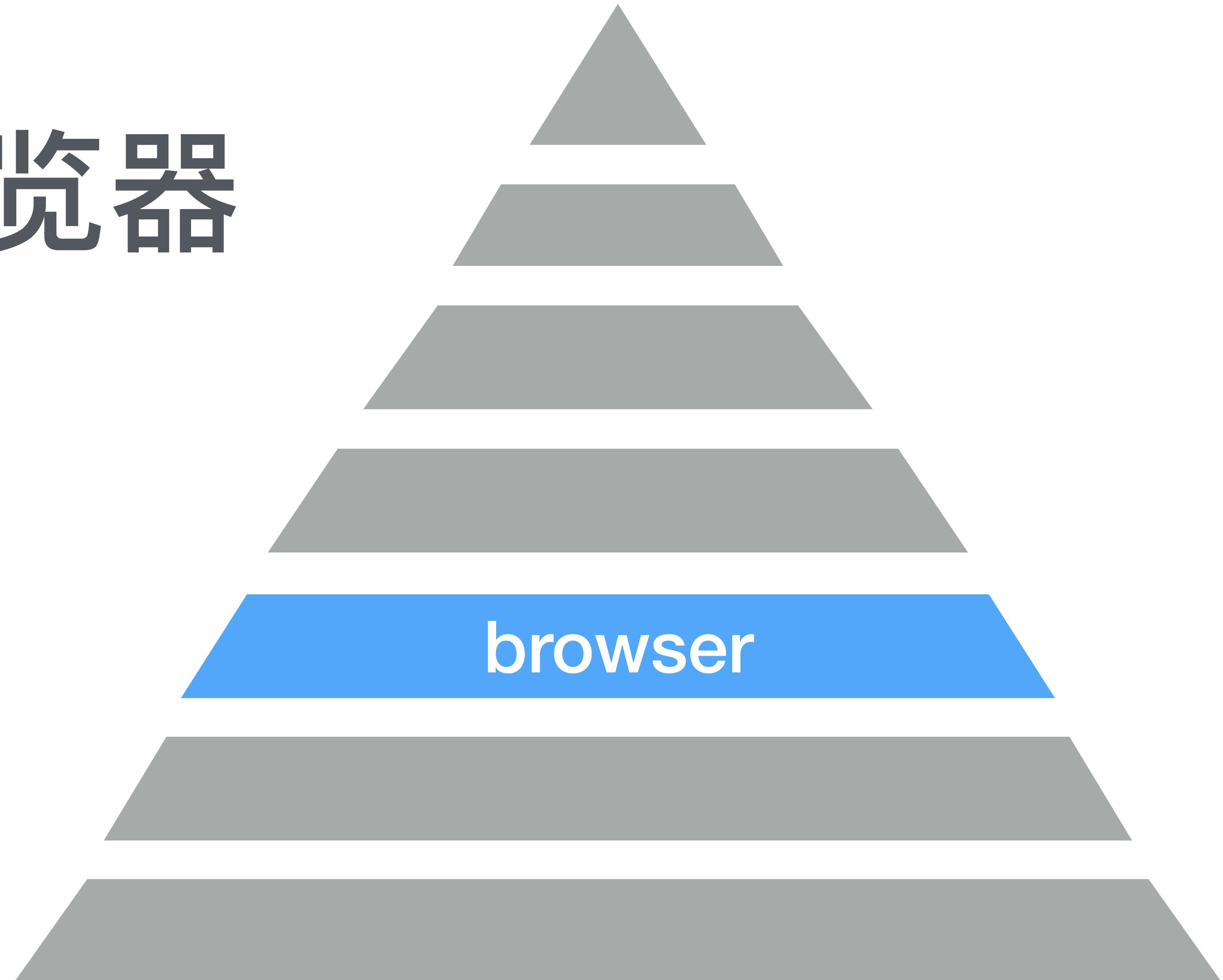
- 文字垂直韵律
- 清除浮动
- 各种动画效果
- 伪元素图形
- 单位转换
- 垂直置中
- 背景渐层
- Media Query
- 图片取代文字
- 视网膜萤幕
- 多边形图形
- 元素定位
- 网格系统
- 时间速率
- 滚动条
- transform
- 限定行数
- SVG
- 字型设定
- 浏览器替代方案



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browser – 浏览器

- reset
- print



browser – reset 差异介绍

种类

meyerweb

特色

样式清得一干二净

范例 (ul li)

選單一
選單二
選單三

Normalize

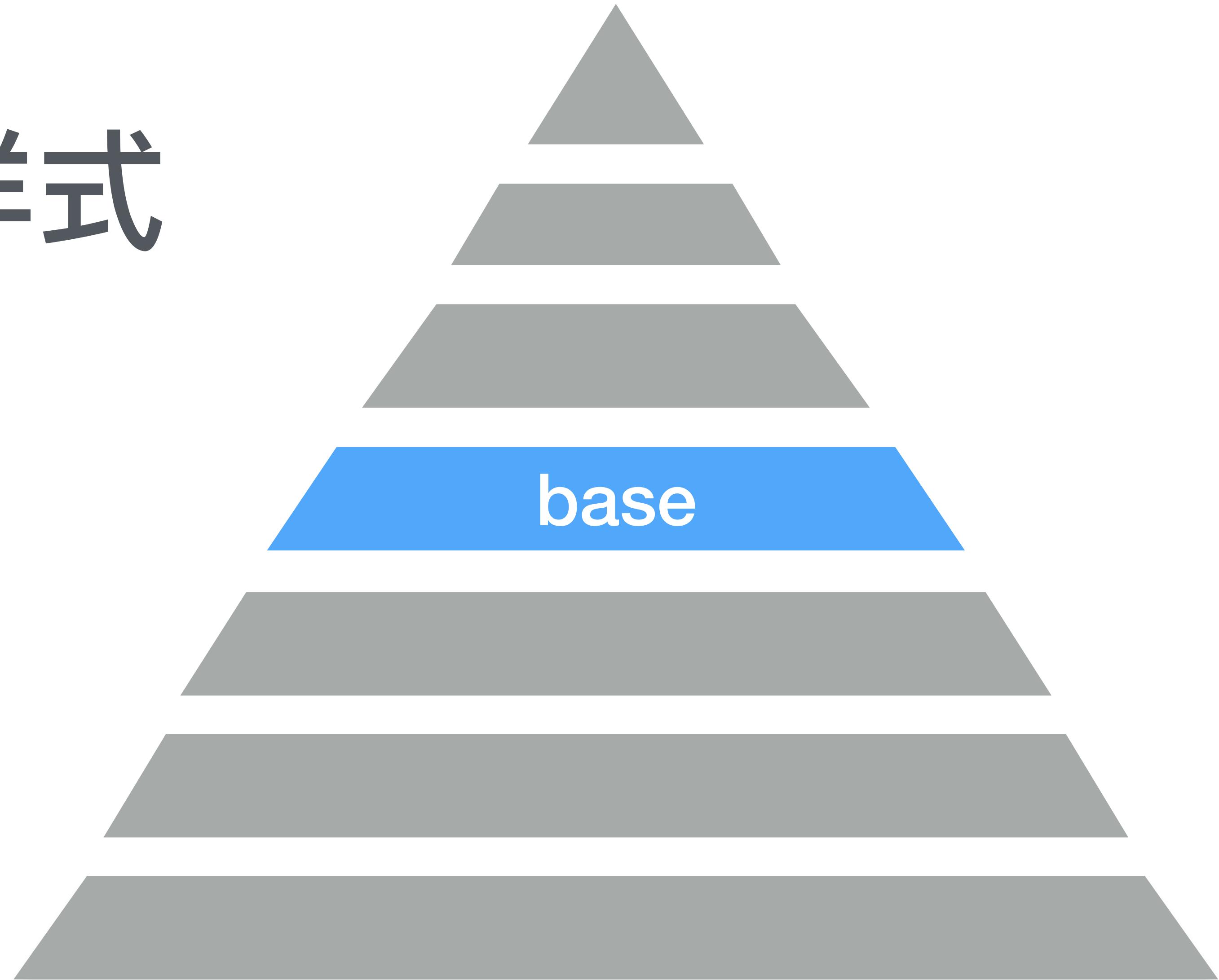
保留基本样式

- 選單一
- 選單二
- 選單三

base – 预设样式

- rebot

- type



```
.header a{  
    color: #ff0000;  
}  
.content a{  
    color: #ff0000;  
}  
.list_title--active{  
    color: #EEE139;  
}  
.footer a{  
    color: #ff0000;  
}
```

下方數處重工寫紅色



Base – reboot

- reset 後緊接 Base，
設定全域網頁標籤
- 減輕各類設定負擔
- 前端工程師 與 UI 設計師
共同討論

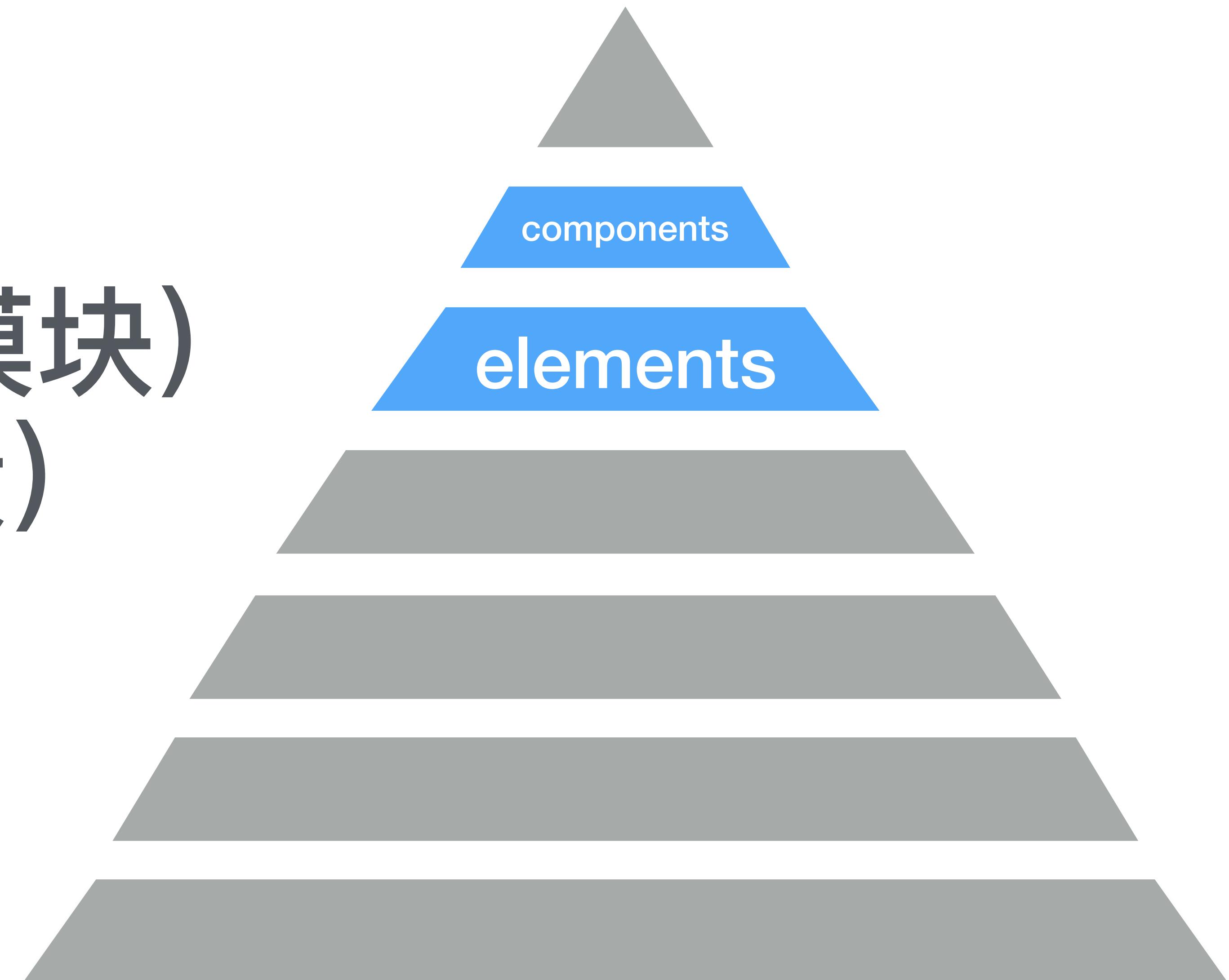
```
a{  
    color: #ff0000;  
}  
h2{  
    font-size: 18px;  
    line-height: 24px;  
}  
ul{  
    list-style: square outside;  
}
```

Base - type

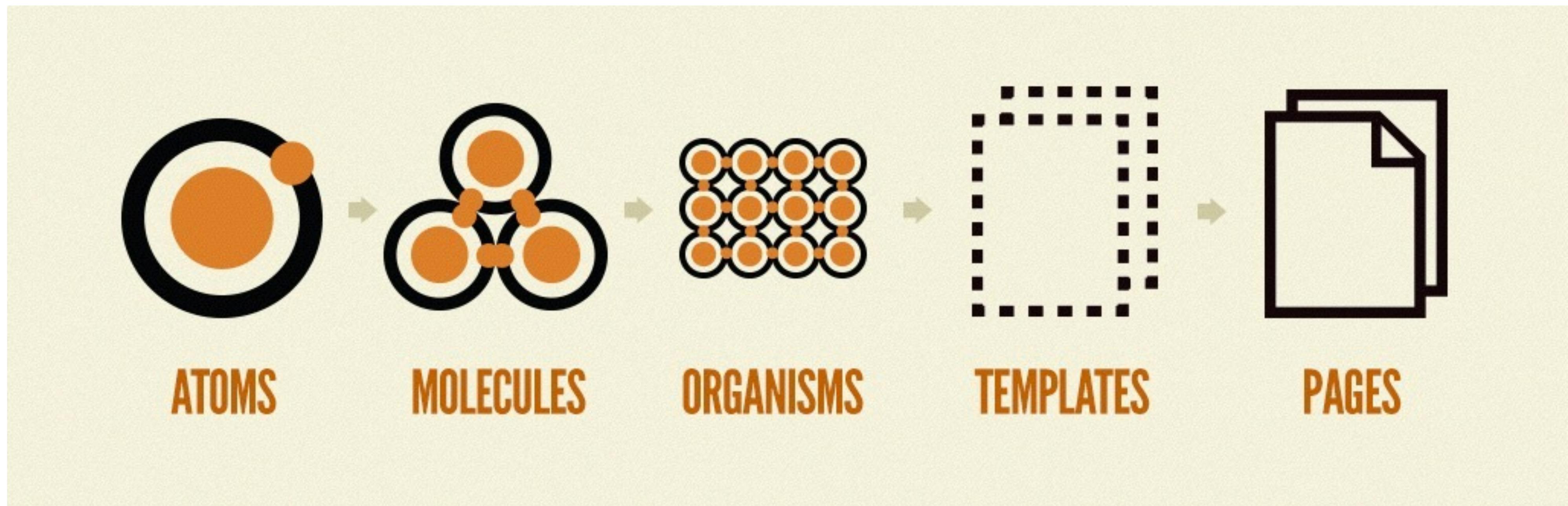
- Bootstrap type
- 設定全域標題
- 寫死字型大小務必與
設計師確認清楚

```
h1, h2, h3, h4, h5, h6,  
.h1, .h2, .h3, .h4, .h5, .h6 {  
margin-bottom: $headings-margin-bottom;  
font-family: $headings-font-family;  
font-weight: $headings-font-weight;  
line-height: $headings-line-height;  
color: $headings-color;
```

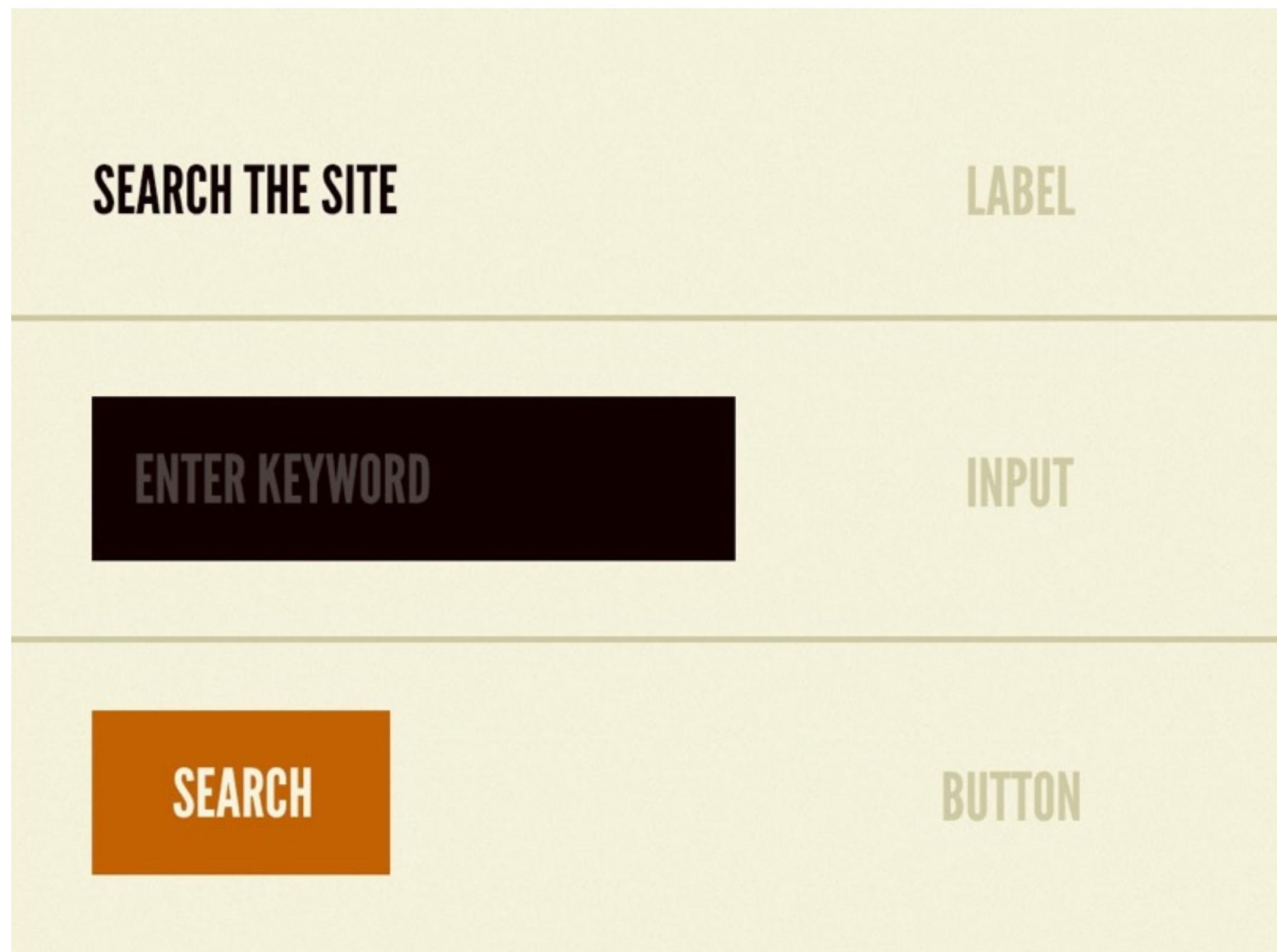
components(模块)
elements (元素)

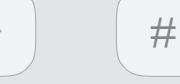


Atomic Design



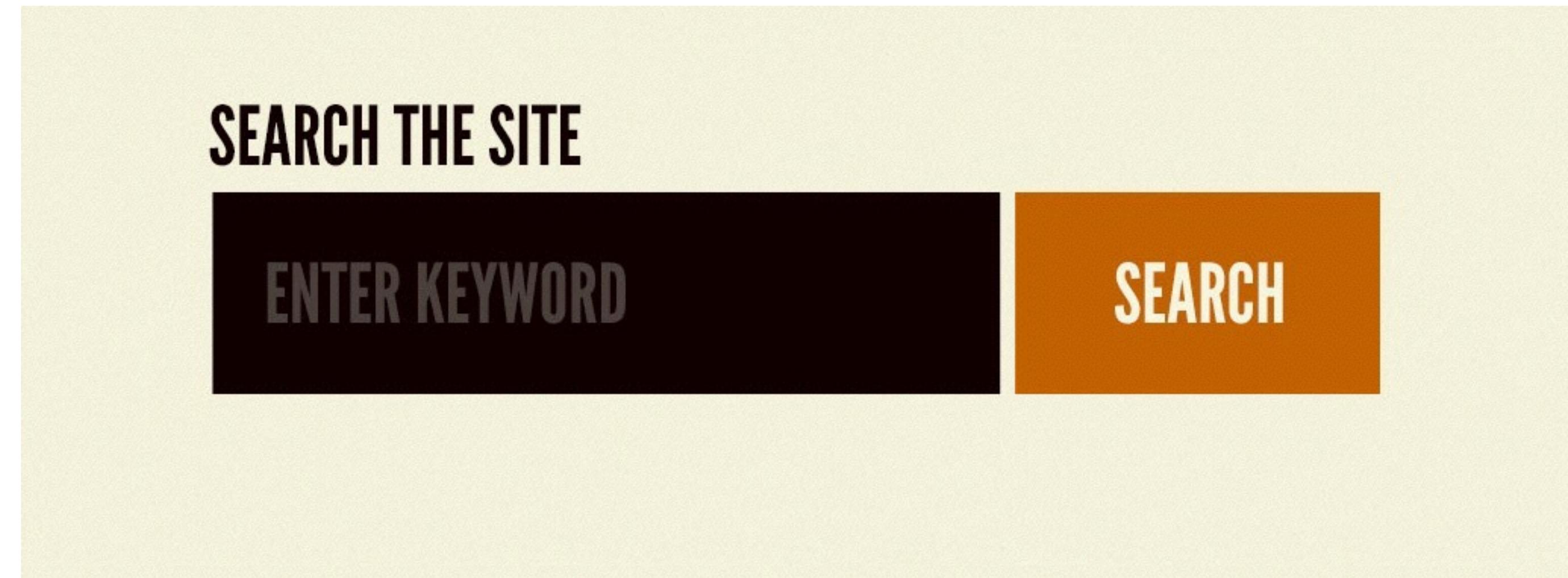
各 HTML 元素 = 原子

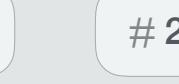




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原子组合 = 分子（模块）





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分子组合 = 机构

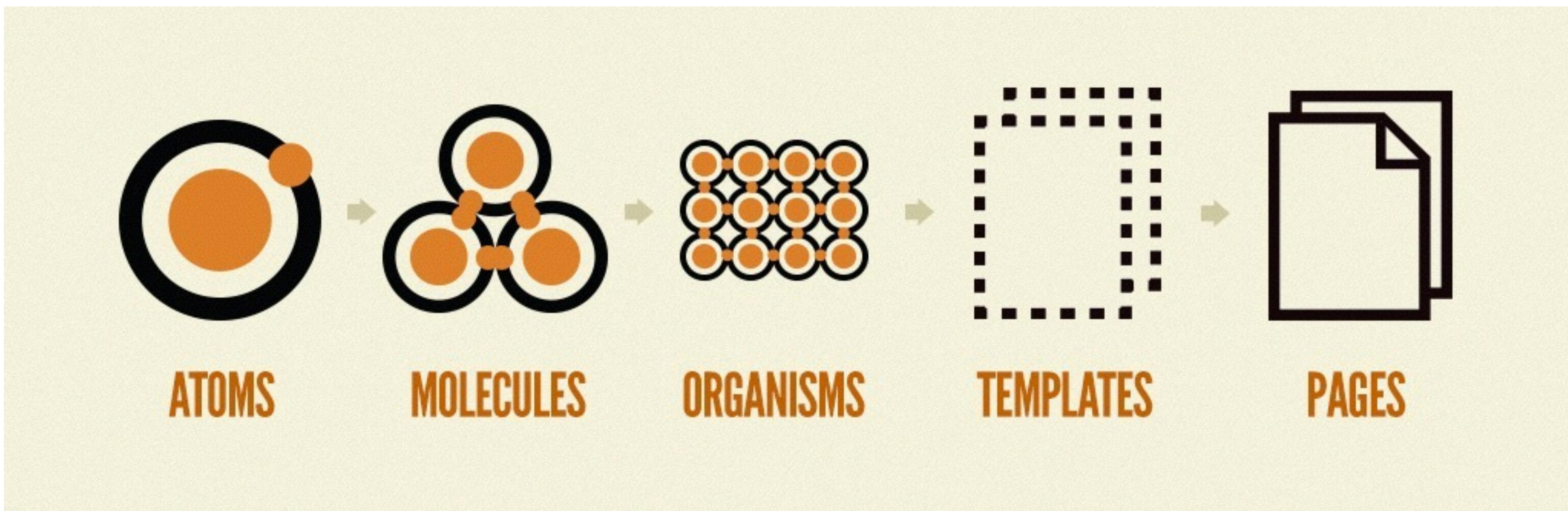
The screenshot shows a website header with a light beige background. On the left is a large black-bordered rectangle containing a white 'X'. To its right are the navigation links: Home, About, Blog, and Contact, all in bold black font. To the right of the links is a search bar with a black input field labeled 'SEARCH THE SITE' and a black placeholder field labeled 'ENTER KEYWORD'. To the right of the input field is an orange 'SEARCH' button with white text.

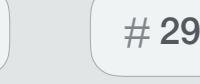
SEARCH THE SITE

ENTER KEYWORD

SEARCH

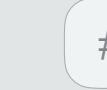
视**团队属性**、**专案性质**
来决定架构





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分享三种案例
components (模块)
elements (元素)



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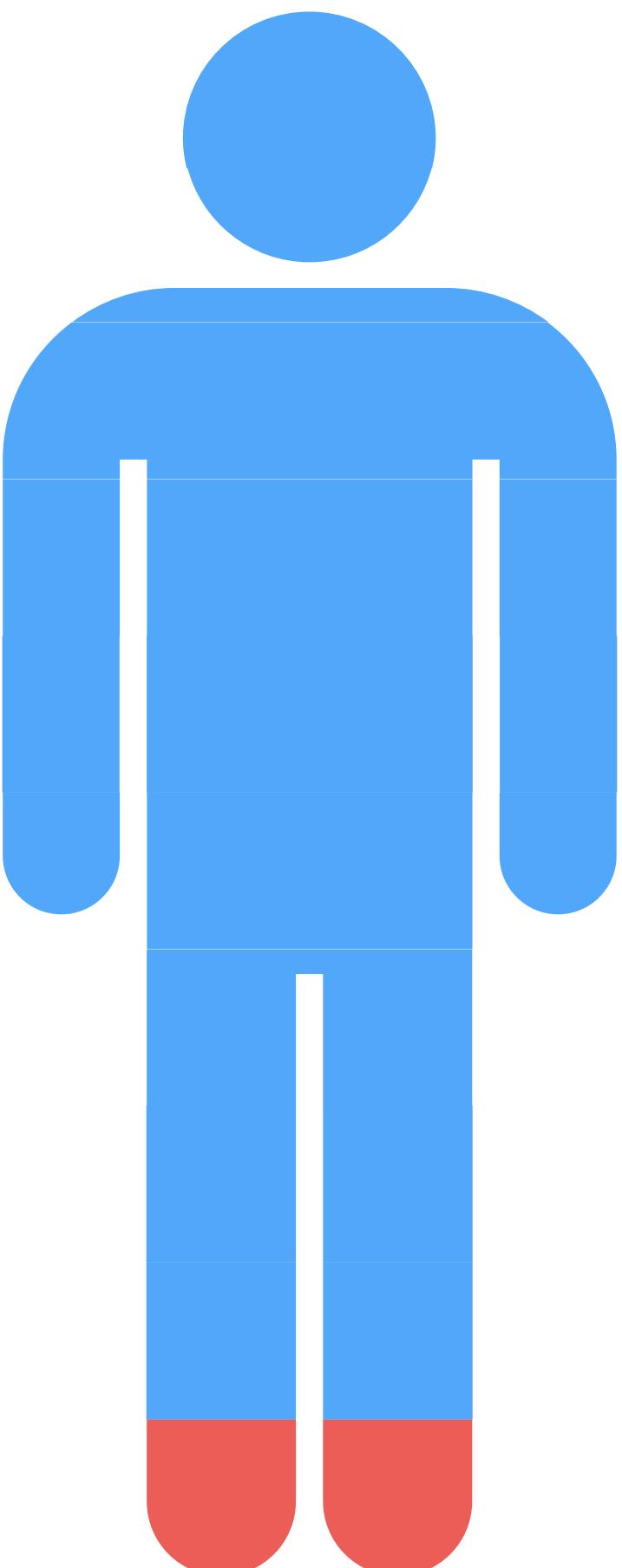
第一种 前端工程师

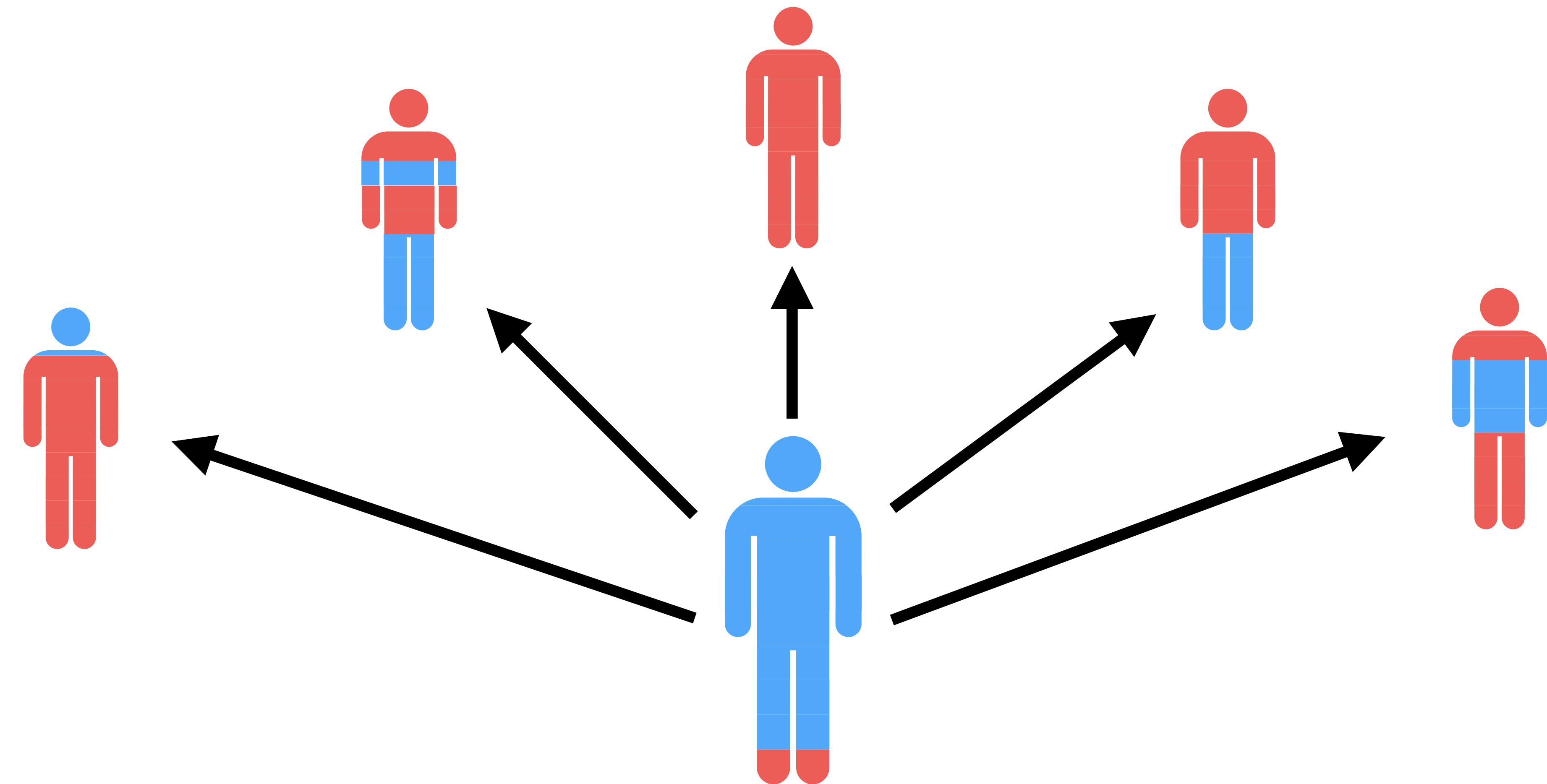
以我为例

- 个人背景：工程脑，没设计天份
- 团队成员：无固定配合设计师
- 专案性质：
 - Parallax Scrolling
 - 系统专案 (ERP、预算报表)
 - 电子商务

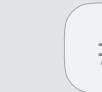
工程 95%

設計 5%



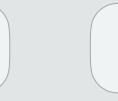


时常需要面对各种设计师



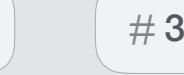
33

举些例子

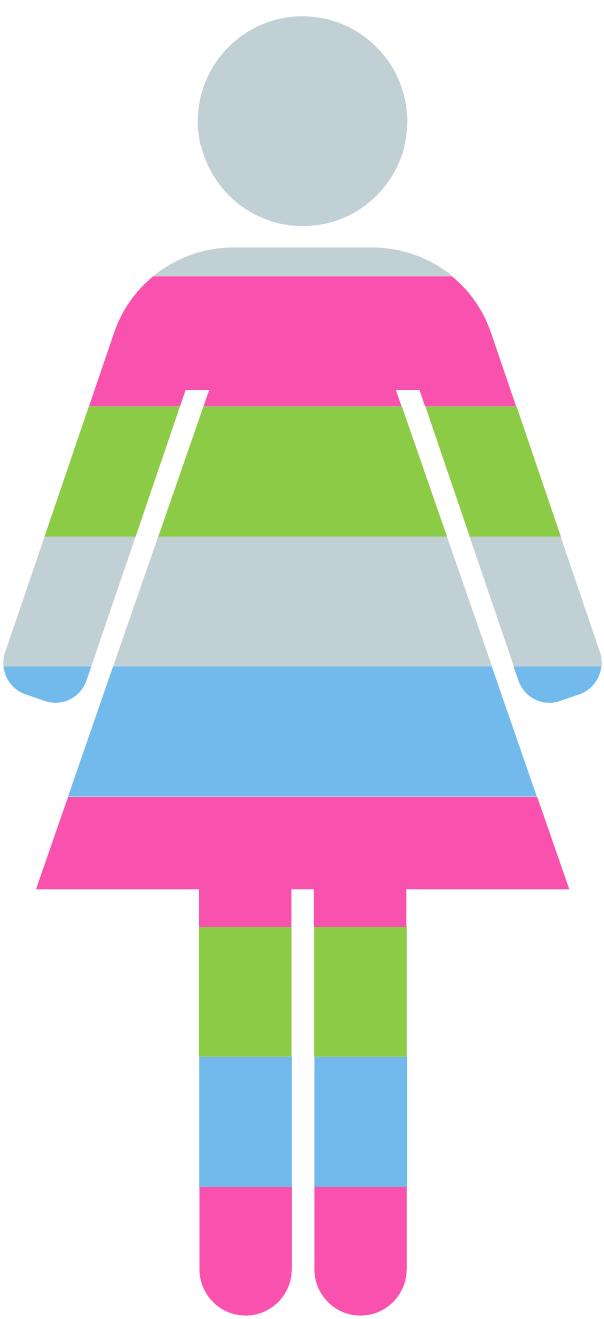
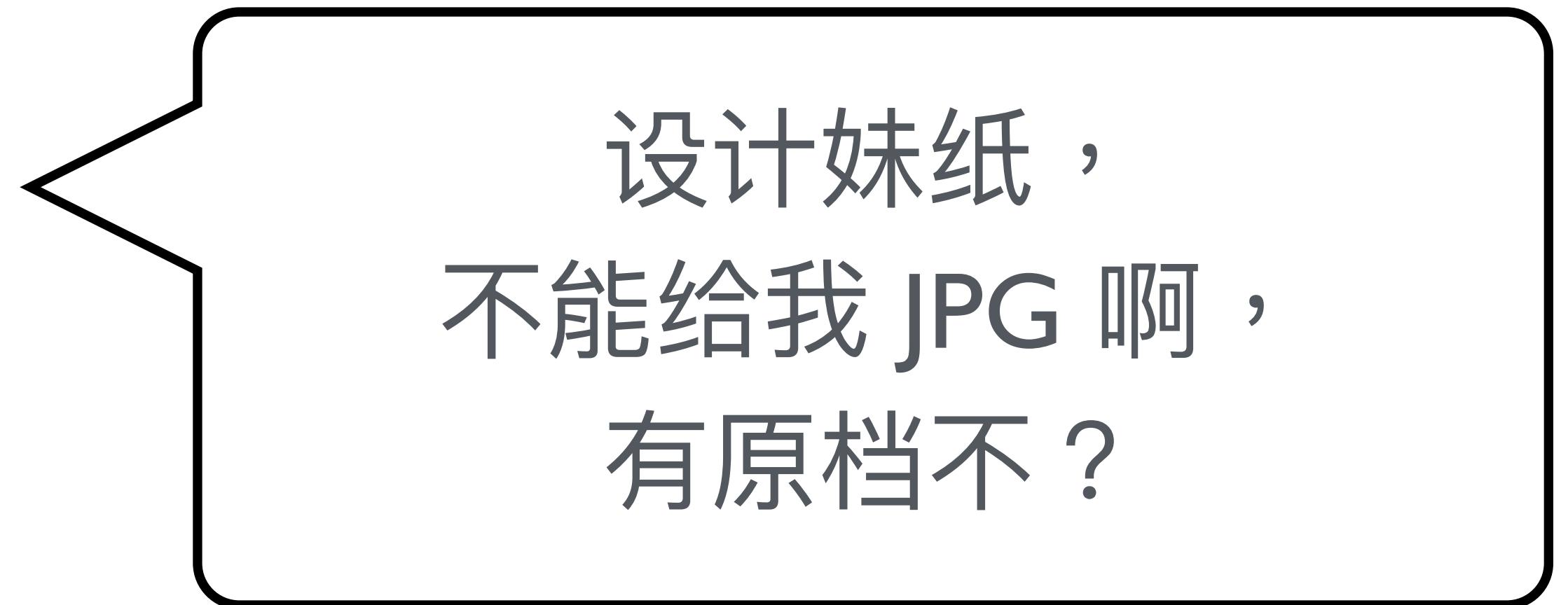
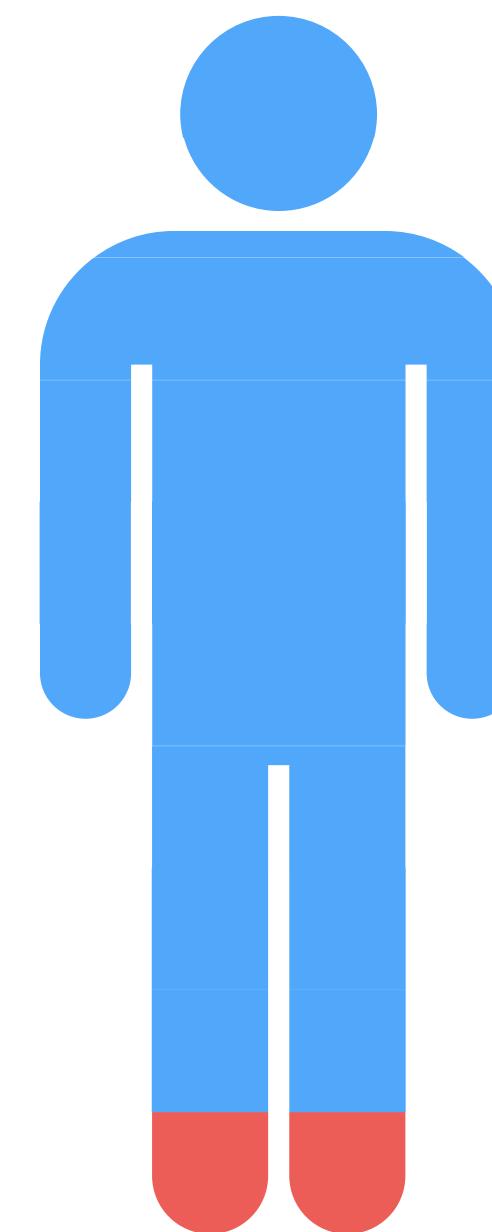


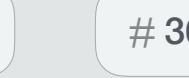
34

以下皆为真人真事

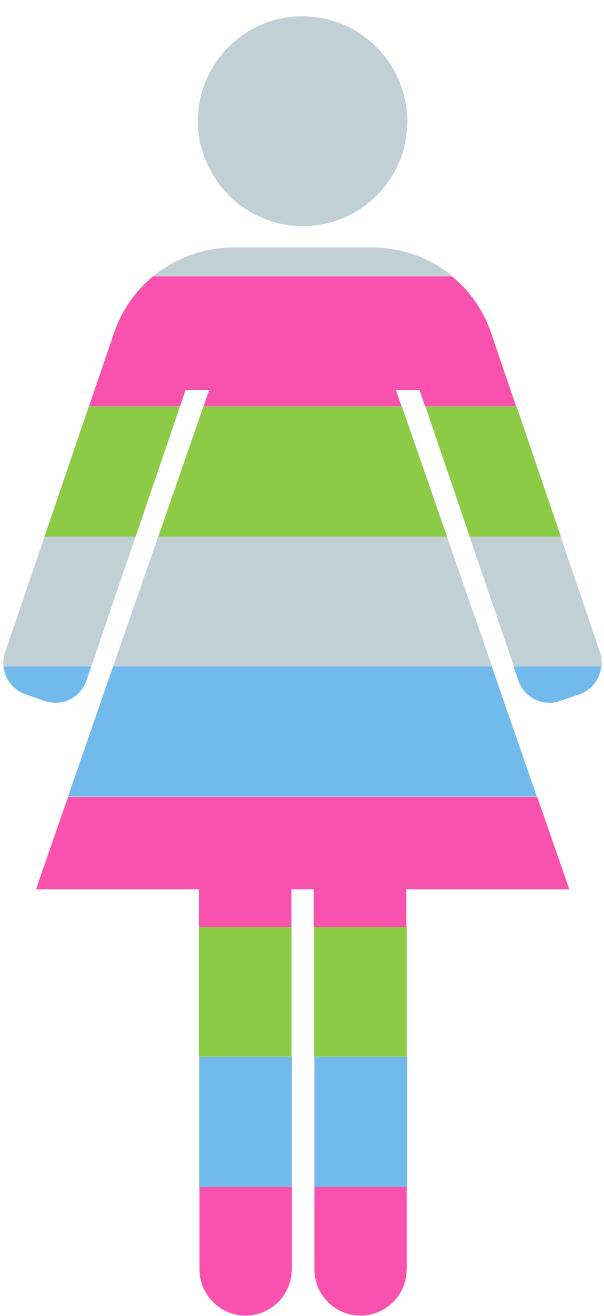
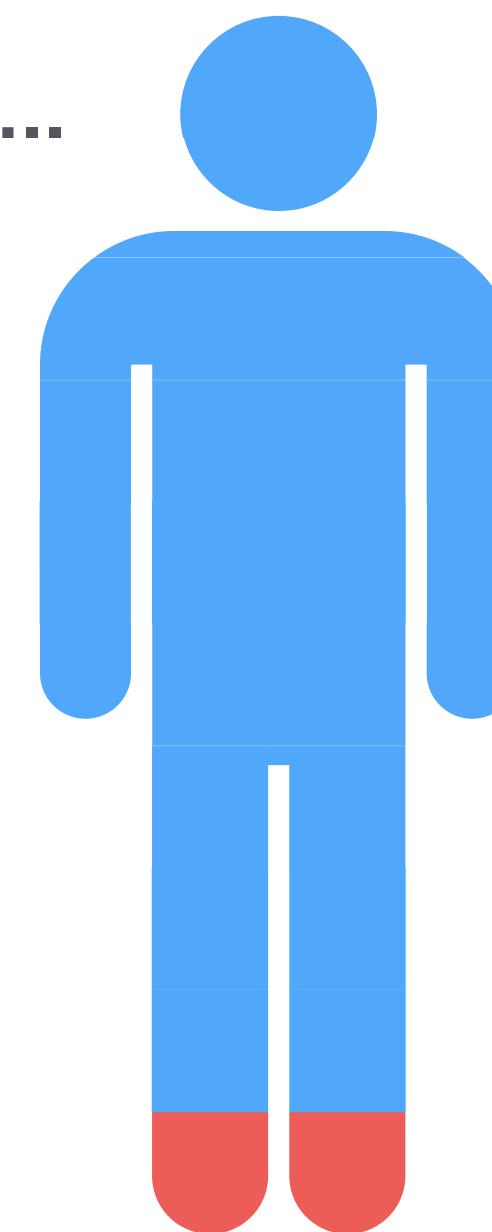


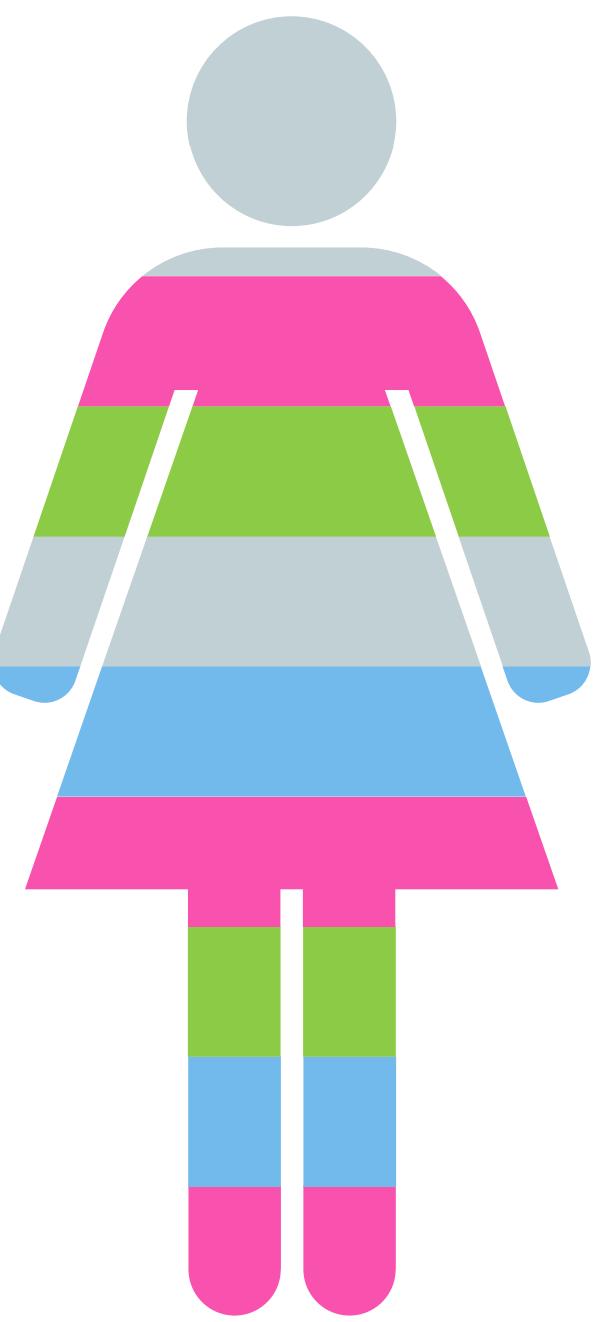
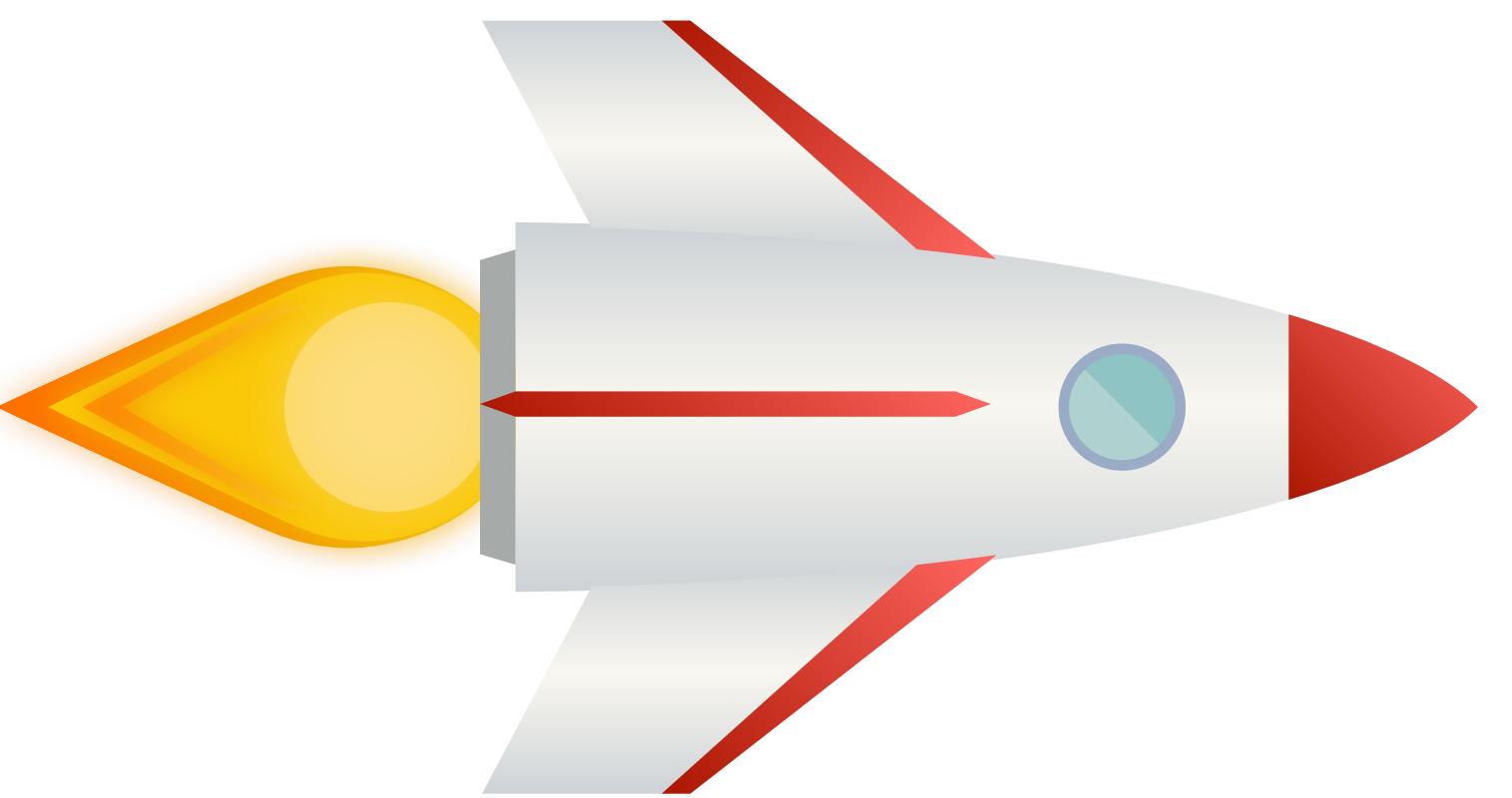
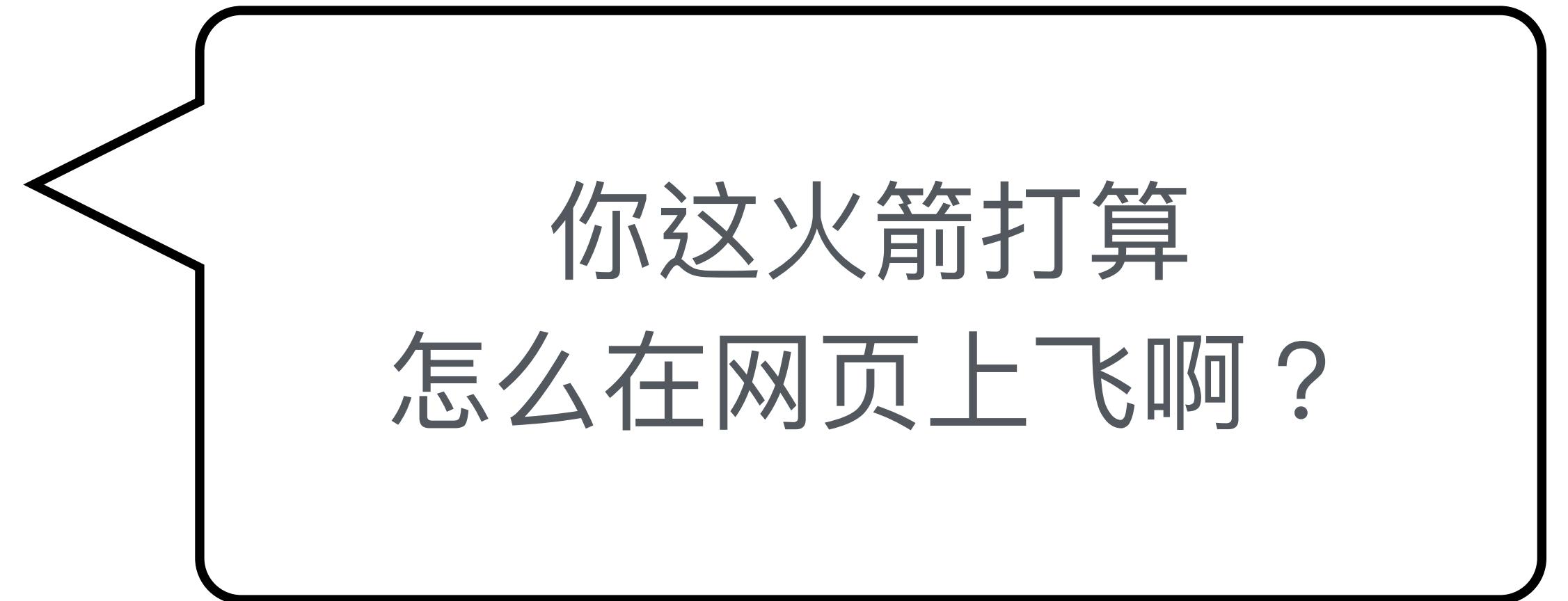
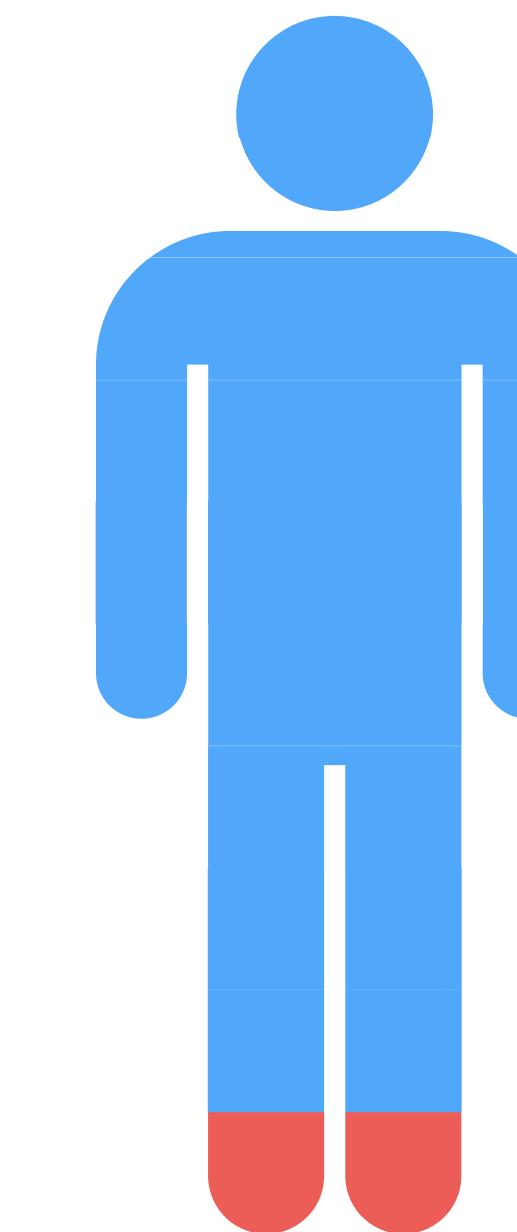
35

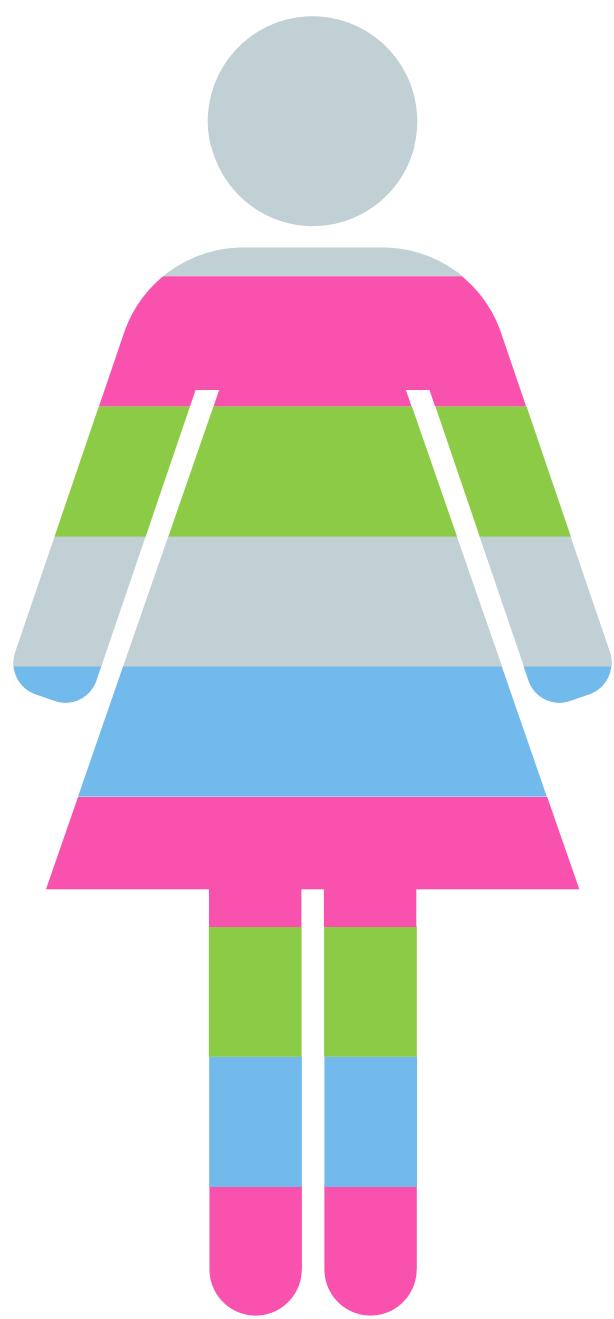
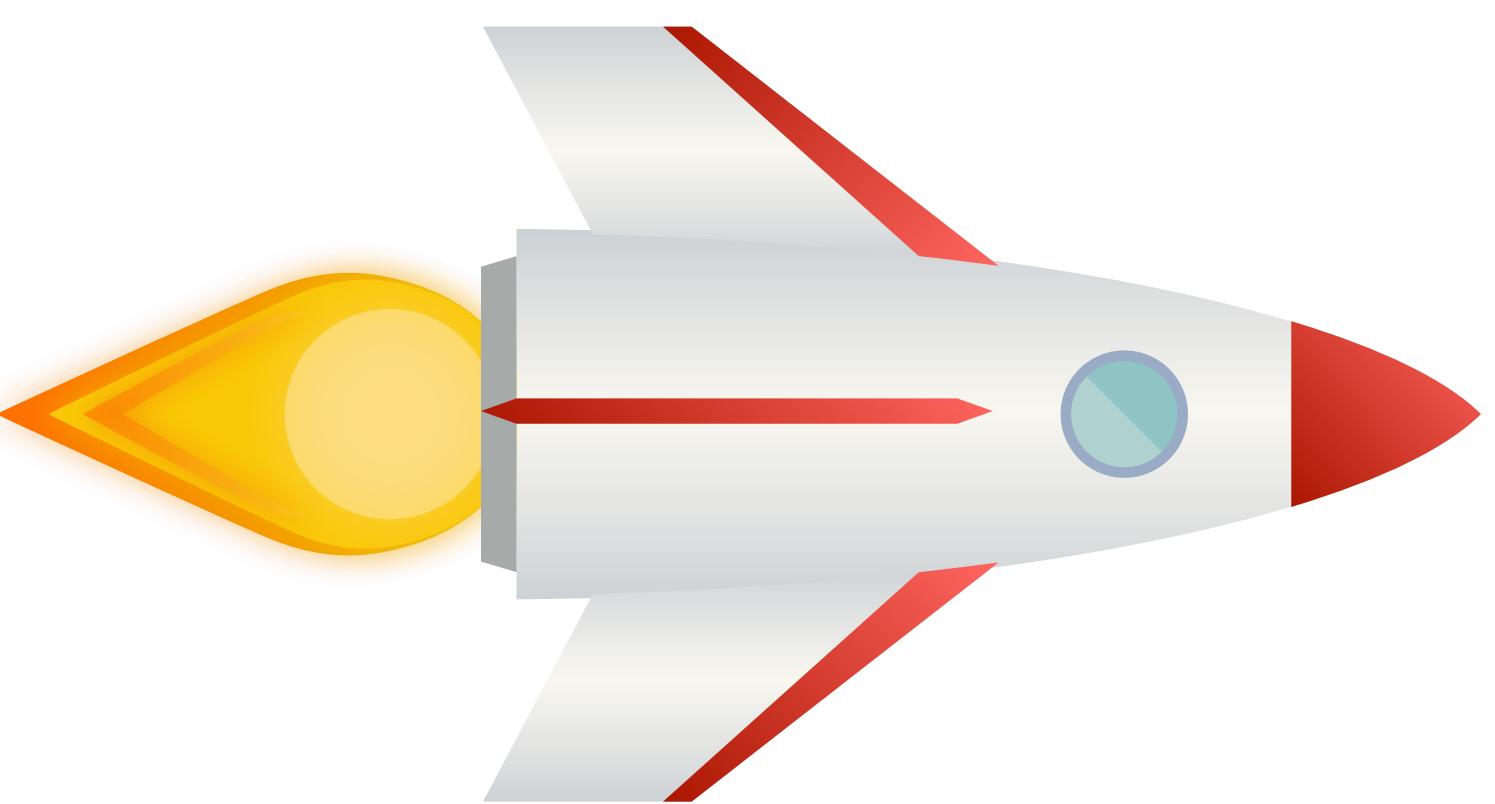
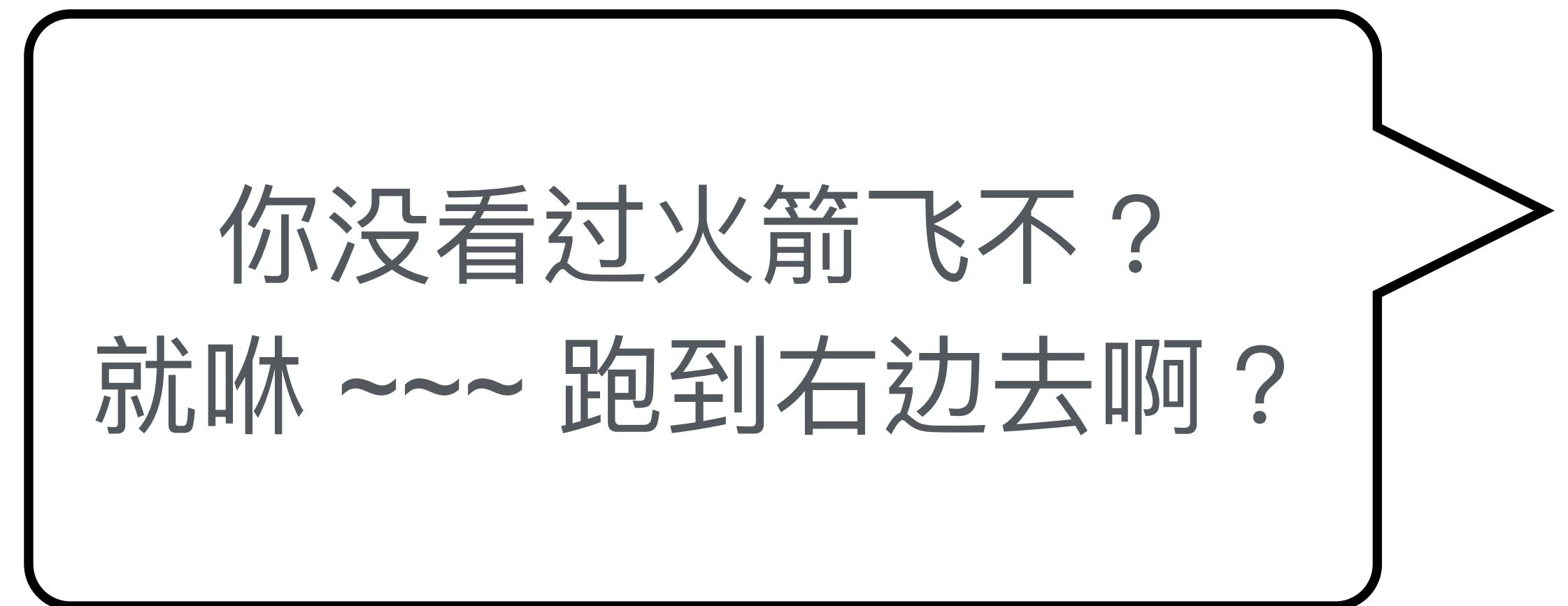
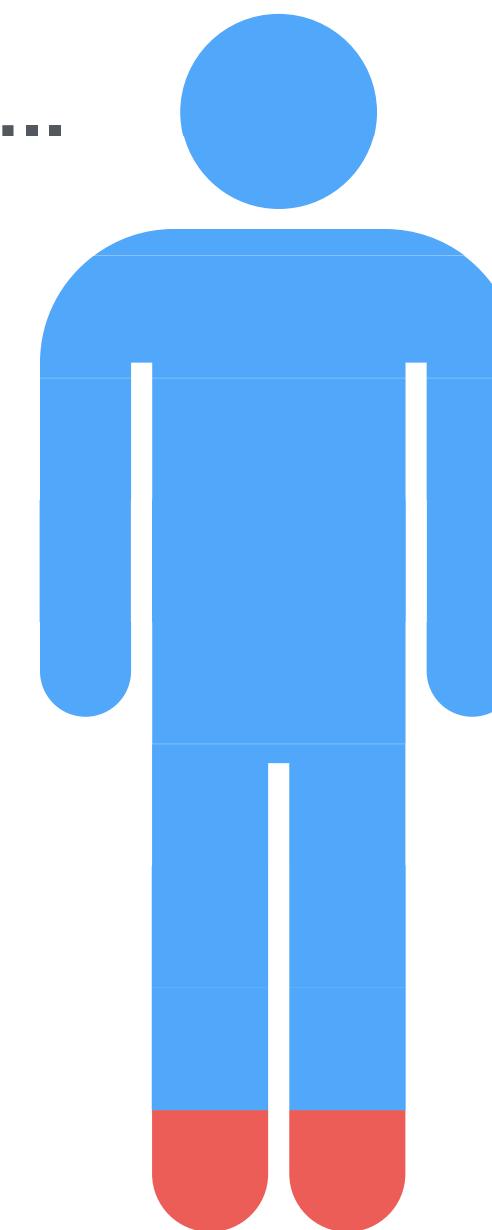




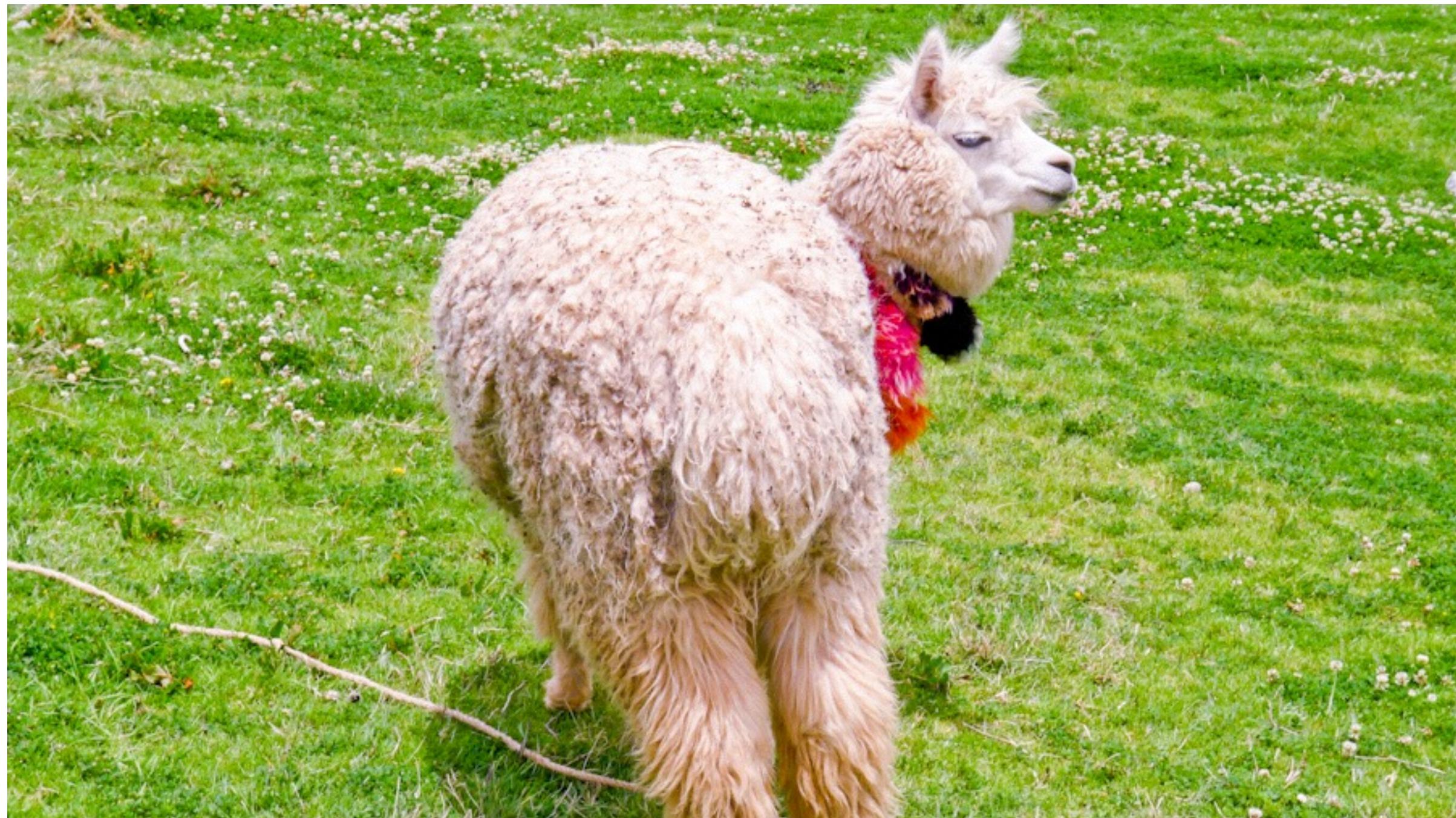
36

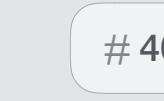






每天都上演几千只草泥马在奔腾

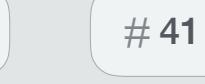




40



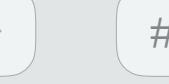
好的设计师带你上天堂



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靠谱的设计师应考虑到的细节

- Responsive 多营布局
- 状态 (hover 、 focus)
- 元素动画速率
- 图片格式
- 页面回馈 (error 、 online)
- web UI 种类



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Sketch

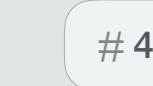
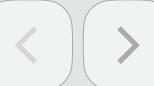


Zeplin

The screenshot shows a Sketch interface with a blue header bar. Below it is a dark blue background with white text and icons. A dashed orange selection box highlights a section containing the date "2016.10.29" and the word "END". A vertical dashed orange line is positioned to the left of the date. A horizontal dashed blue line spans across the highlighted area. Several red numerical values are overlaid on the interface: "60.6px" between the date and the "END" icon, "83.4px" to the left of the date, and "74px" to the right of the date. The word "講者募集" is visible below the date. On the right side of the screen, there is a sidebar with a "Fill" panel showing "#ffffff" and a "CSS" panel containing the following code:

```
.Fill-32 {  
    width: 22.6px;  
    height: 20.5px;  
    background-color: #ffffff;  
}
```

A red "Copy" button is located at the bottom right of the sidebar.



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回归正题，
遇到各种变化与设计稿

7-1 架构

擁抱彈性

|- layout/

- |- _aside.scss # aside
- |- _grid.scss # Grid system
- |- _header.scss # Header
- |- _footer.scss # Footer

|- elements/

- |- _button.scss # button
- |- _forms.scss # form
- |- _table.scss # table

|- components/

- |- _pagination.scss # pagination
- |- _carousel.scss # Carousel
- |- _cover.scss # Cover
- |- _dropdown.scss # Dropdown

|- pages/

- |- _home.scss # Home specific styles
- |- _contact.scss # Contact specific

layout

components

page

.header

.logo

.menu__link

li li li

.content.clearfix

.main

.txt__block - -active

lorem

lorem

lorem

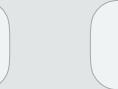
.aside

.ui-textList

- list 1
- list 2
- list 3
- list 4

.ui-pagination

« 1 2 3 4 5 »



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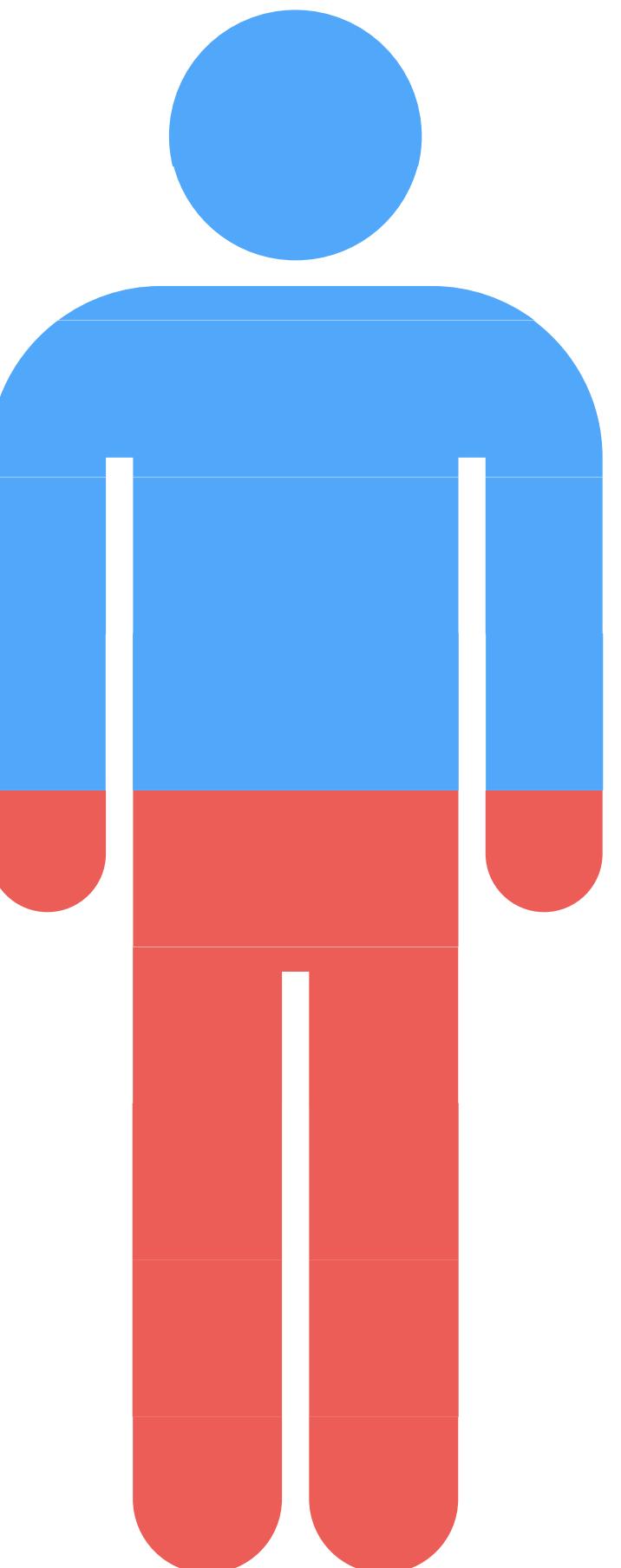


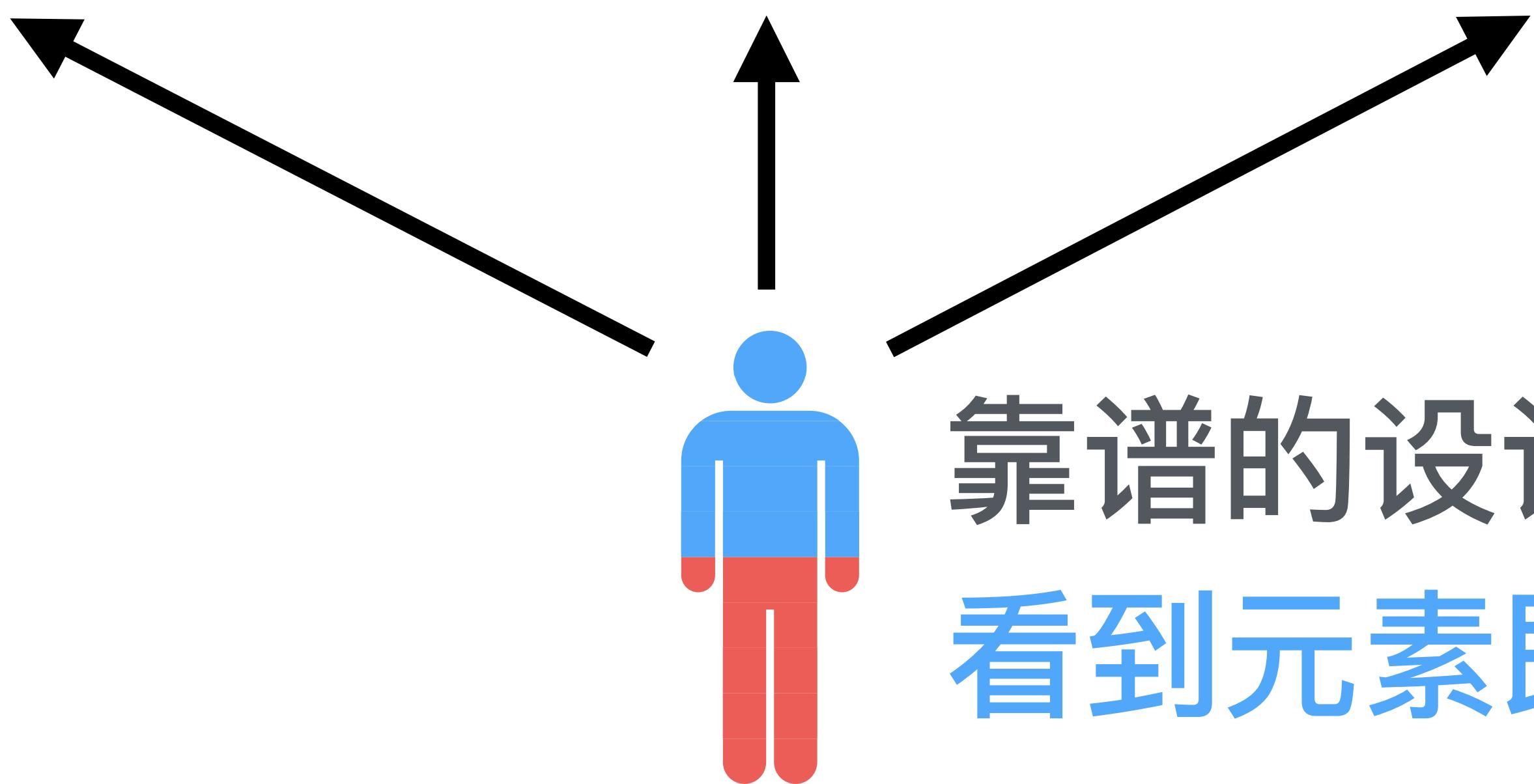
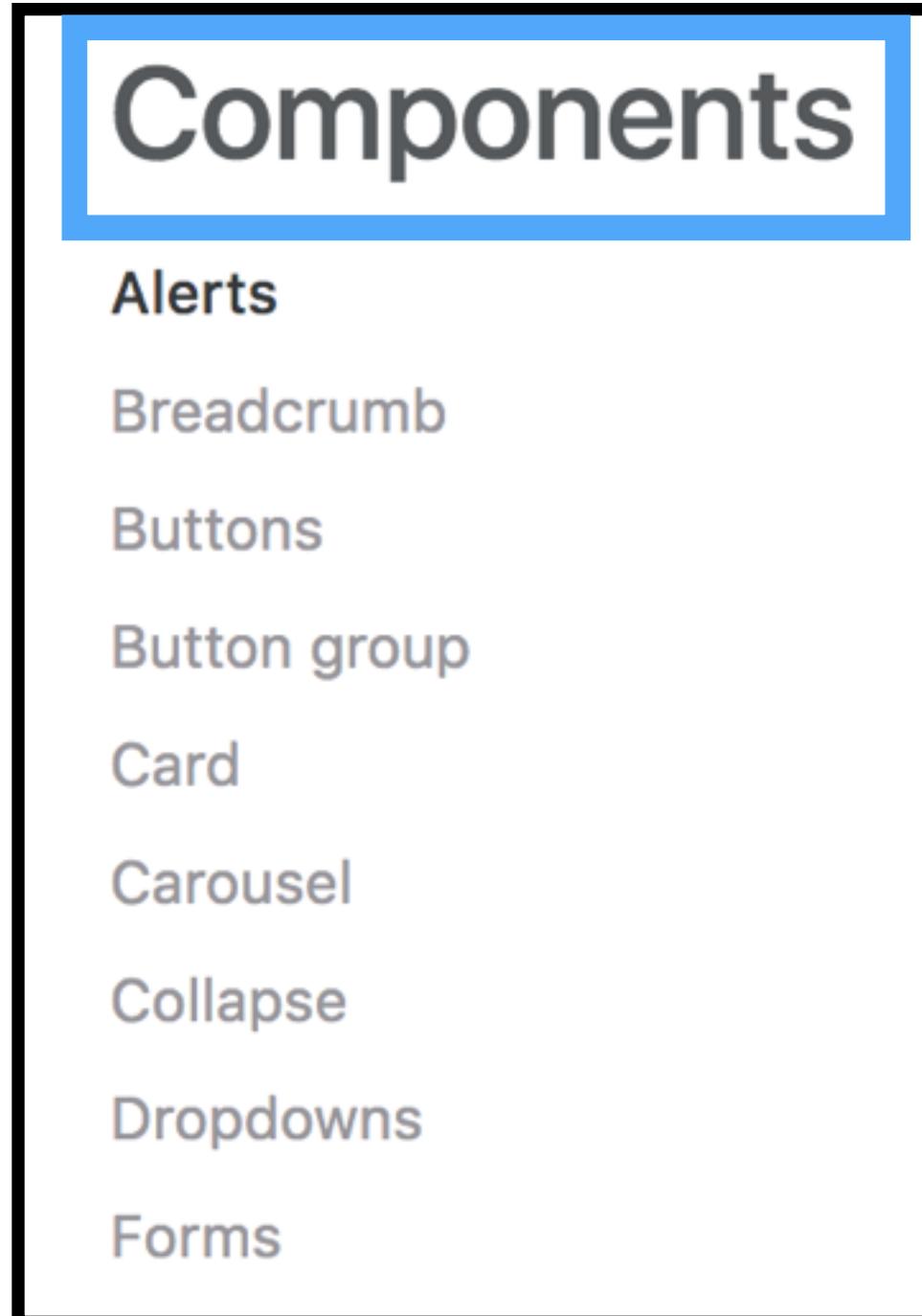
第二种 设计、前端双天赋

前端、UI双天赋

- 开发背景：设计底，后天前端
- 团队成员：后端工程师
- 专案性质：
- 医疗系统

工程 50%
設計 50%





靠谱的设计师
看到元素即世界

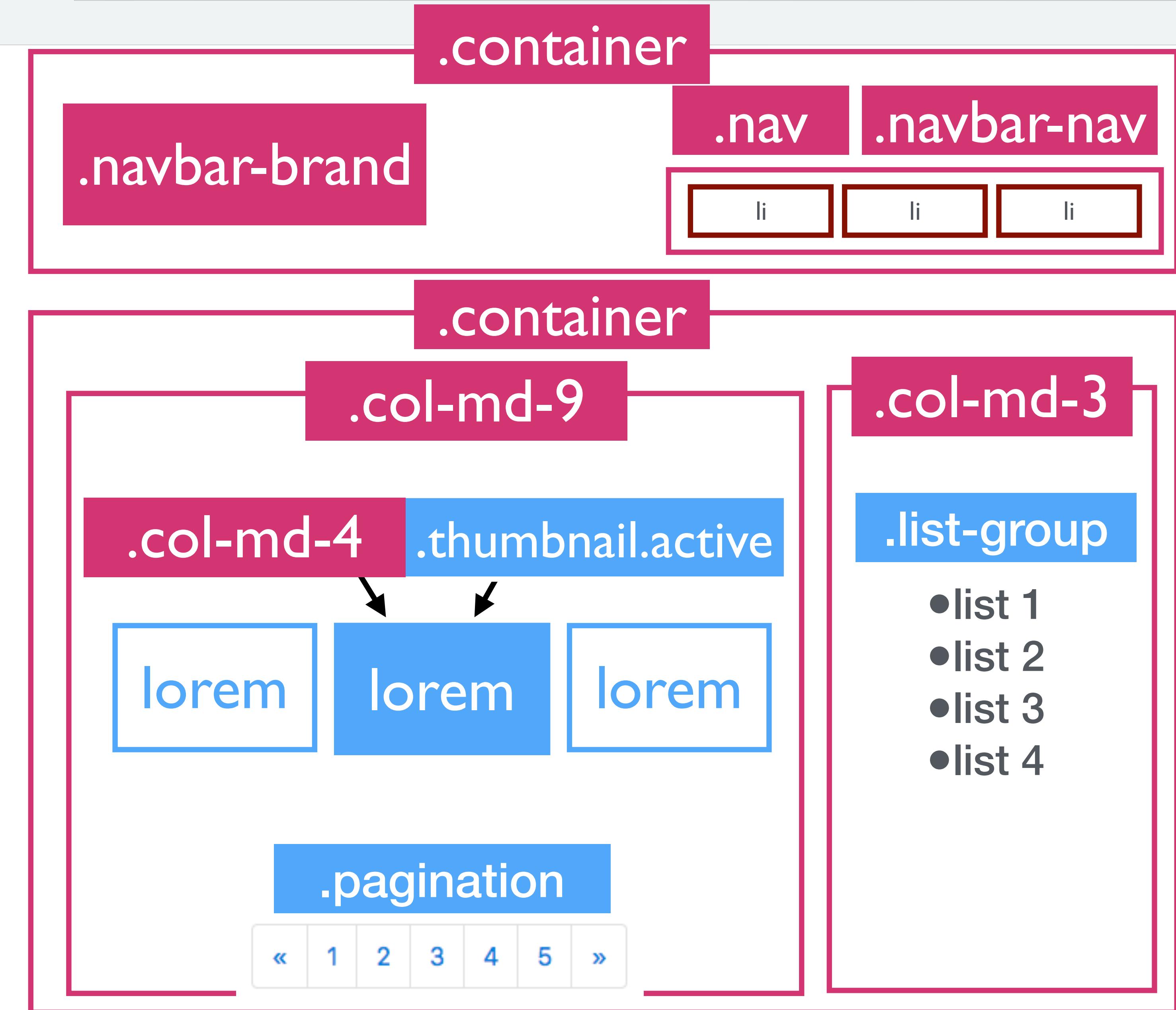
元件型开发

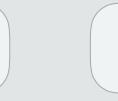
- 所有的内容都是 components
- 以不会有独立 page 为开发宗旨
- 就算不用 Framework，命名也会很像 Framework

```
// Core CSS  
@import "reboot";  
@import "type";  
@import "images";  
@import "code";  
@import "grid";  
@import "tables";  
@import "forms";  
@import "buttons";
```

```
// Components  
@import "animation";  
@import "dropdown";  
@import "button-group";  
@import "input-group";  
@import "custom-forms";  
@import "nav";  
@import "navbar";
```

容器
元件



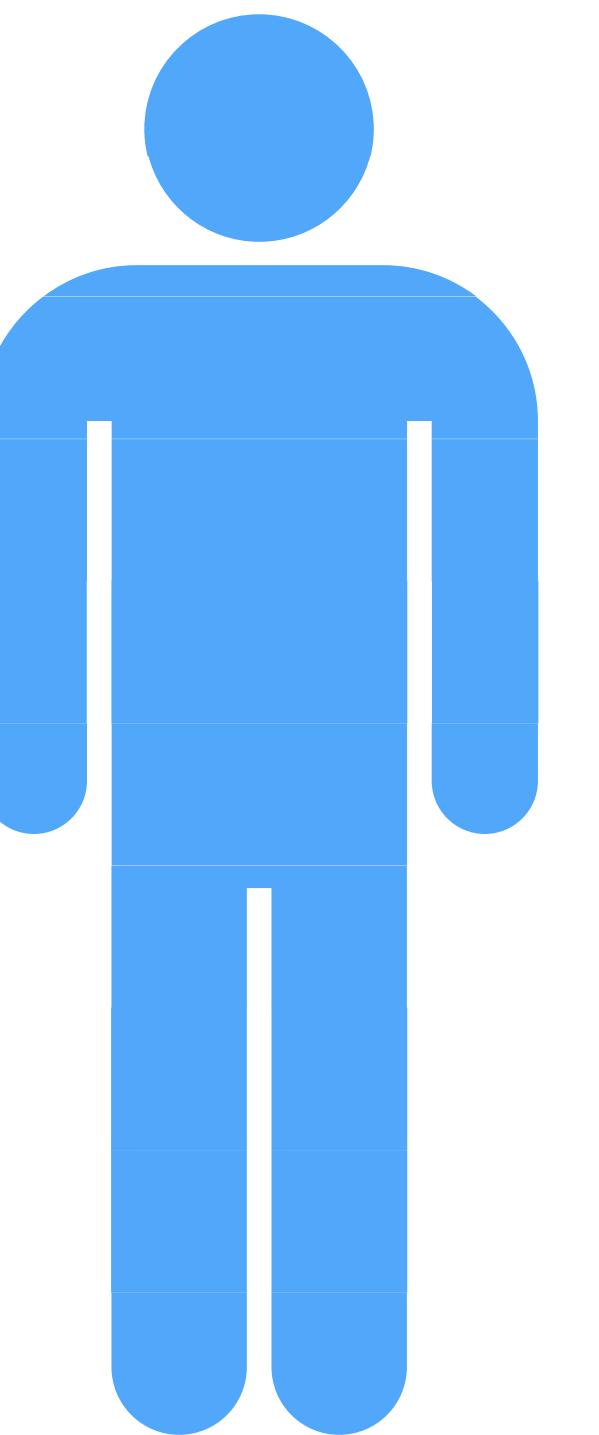


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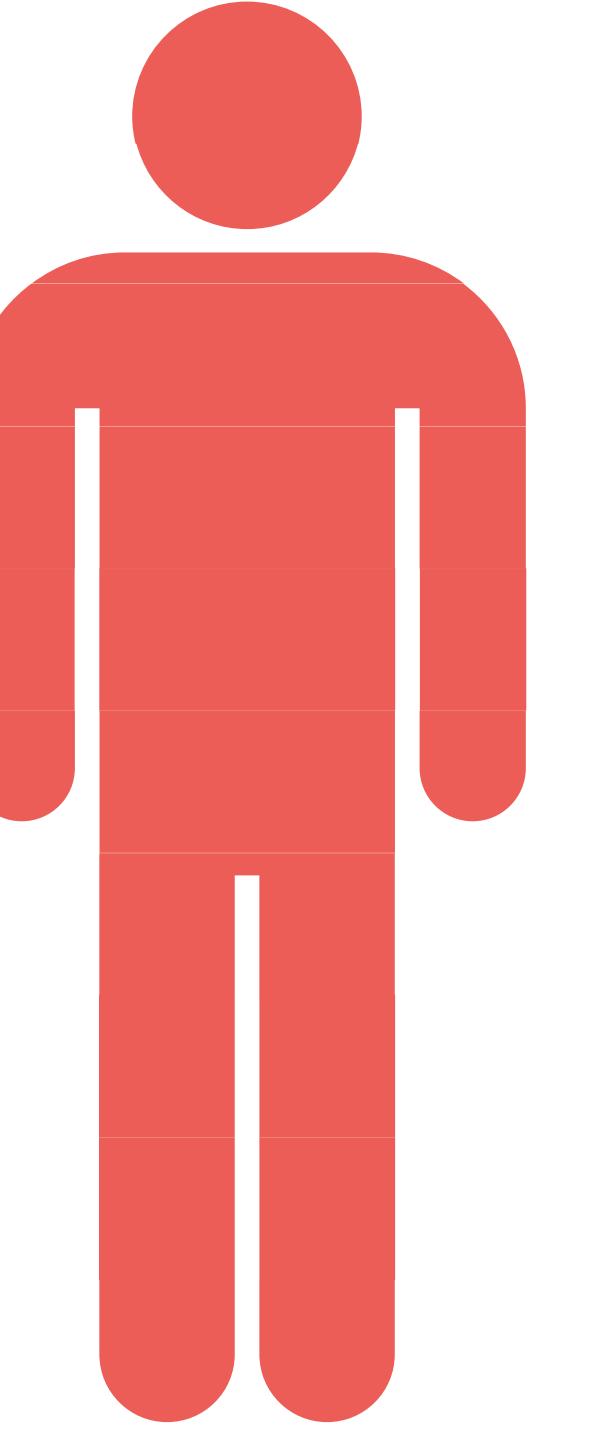
第三种 团队型开发

团队型开发

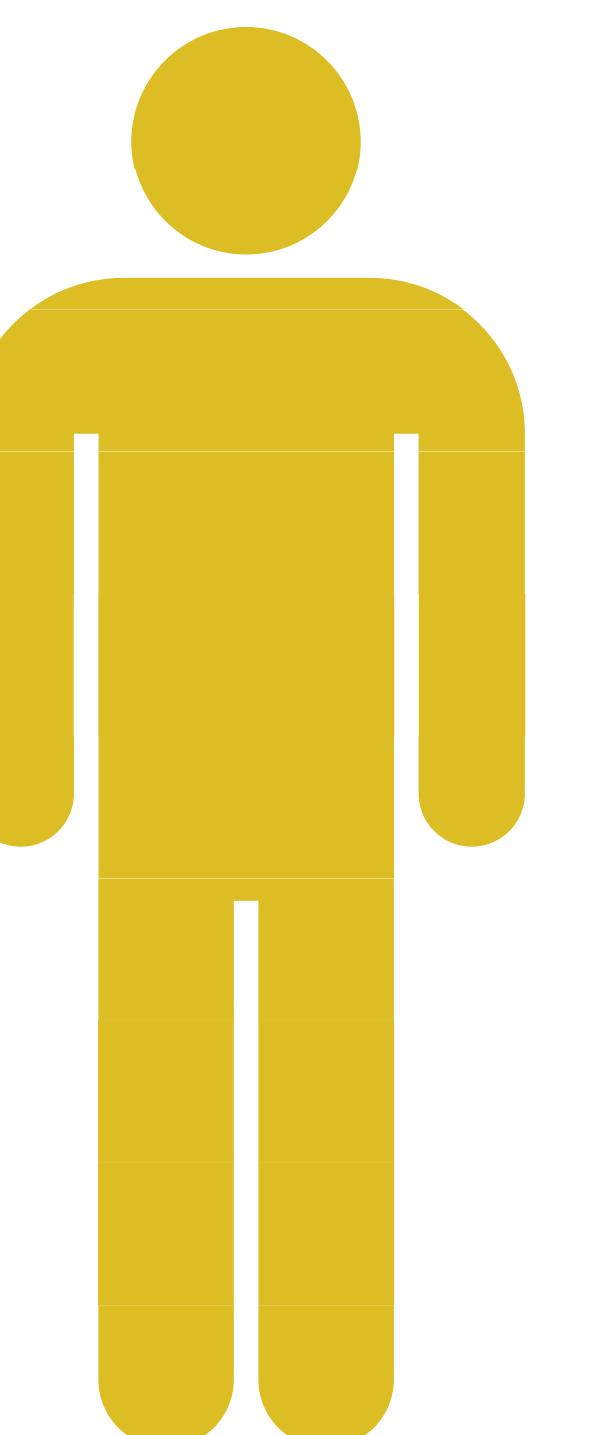
- 公司背景：系统开发公司
- 团队成员：UI、前端、后端
- 专案性质
- 行政系统（订票、银行业务）
- CRM、ERP
- 交通系统（巴士、计程车）



前端 *5



設計 *3



後端 *10

目的：快速協同開發

- F2E Team Leader、Art Team Leader 共同訂立規範
- 嚴謹的 前綴 與 guideline
- CSS 命名大部分以 BEM 為核心
- 也是盡量以 元件型開發 為主

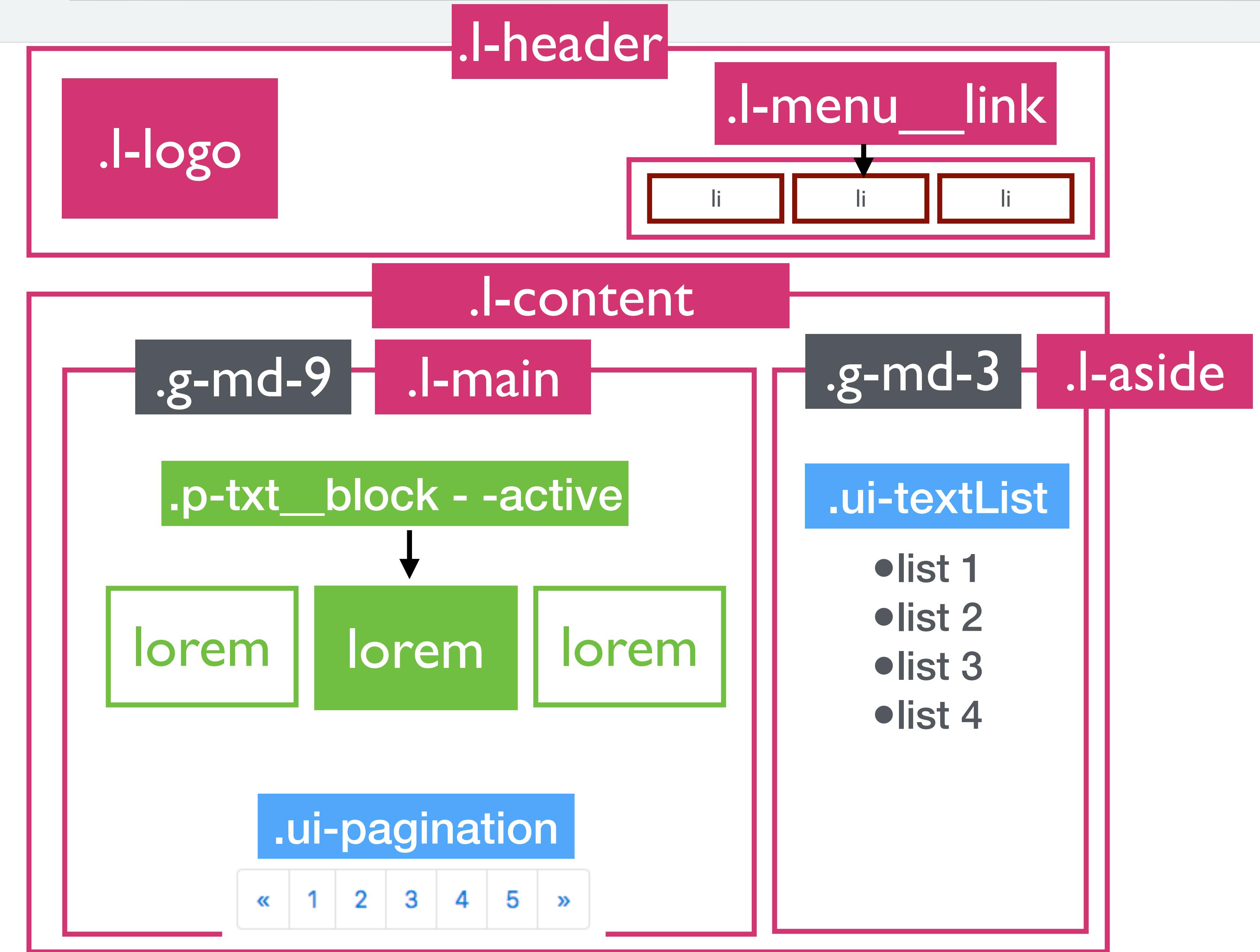
| - layout
ui - components
is - status
js - JS plugin
h - helper

layout

grid

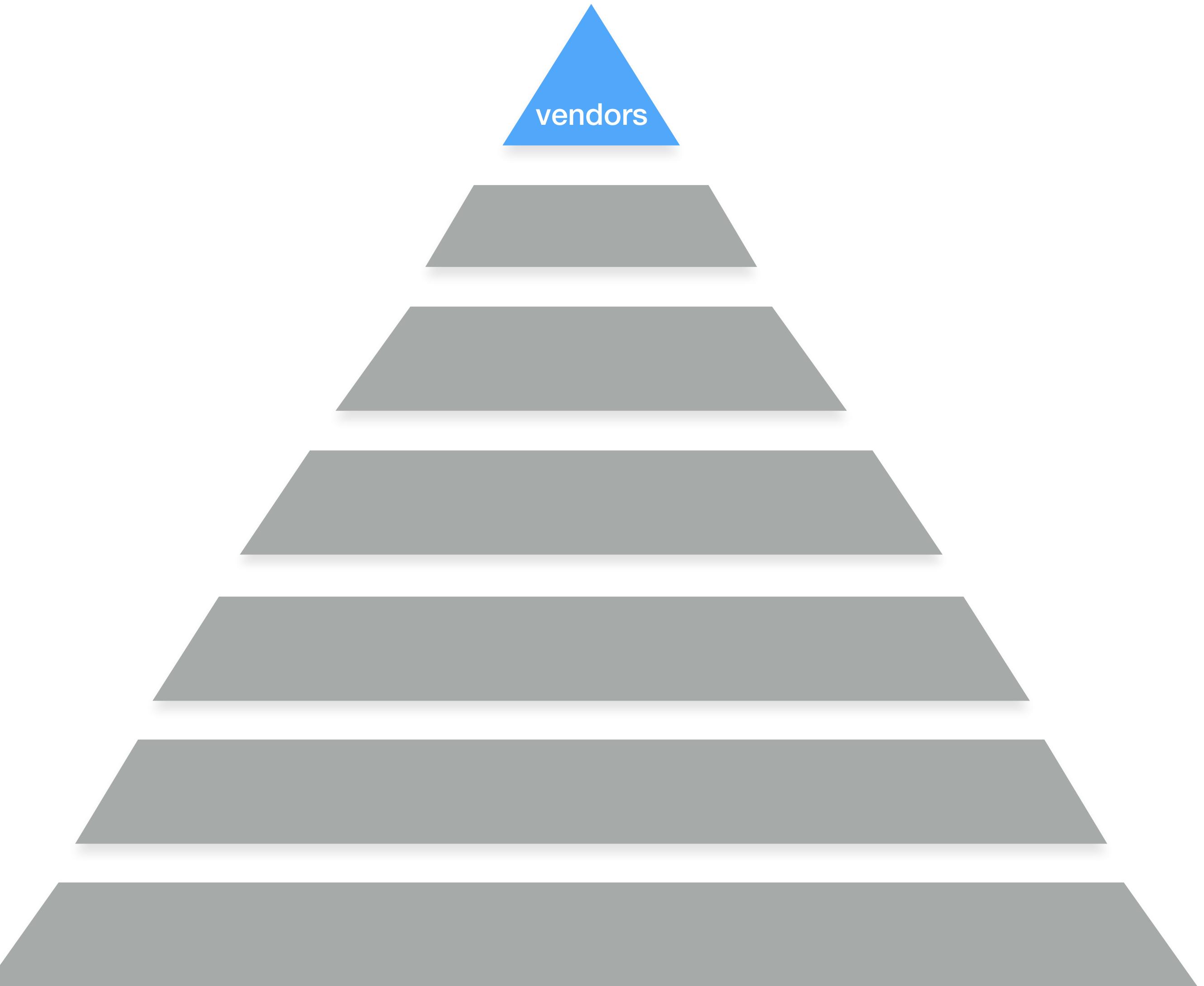
components

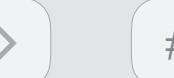
page



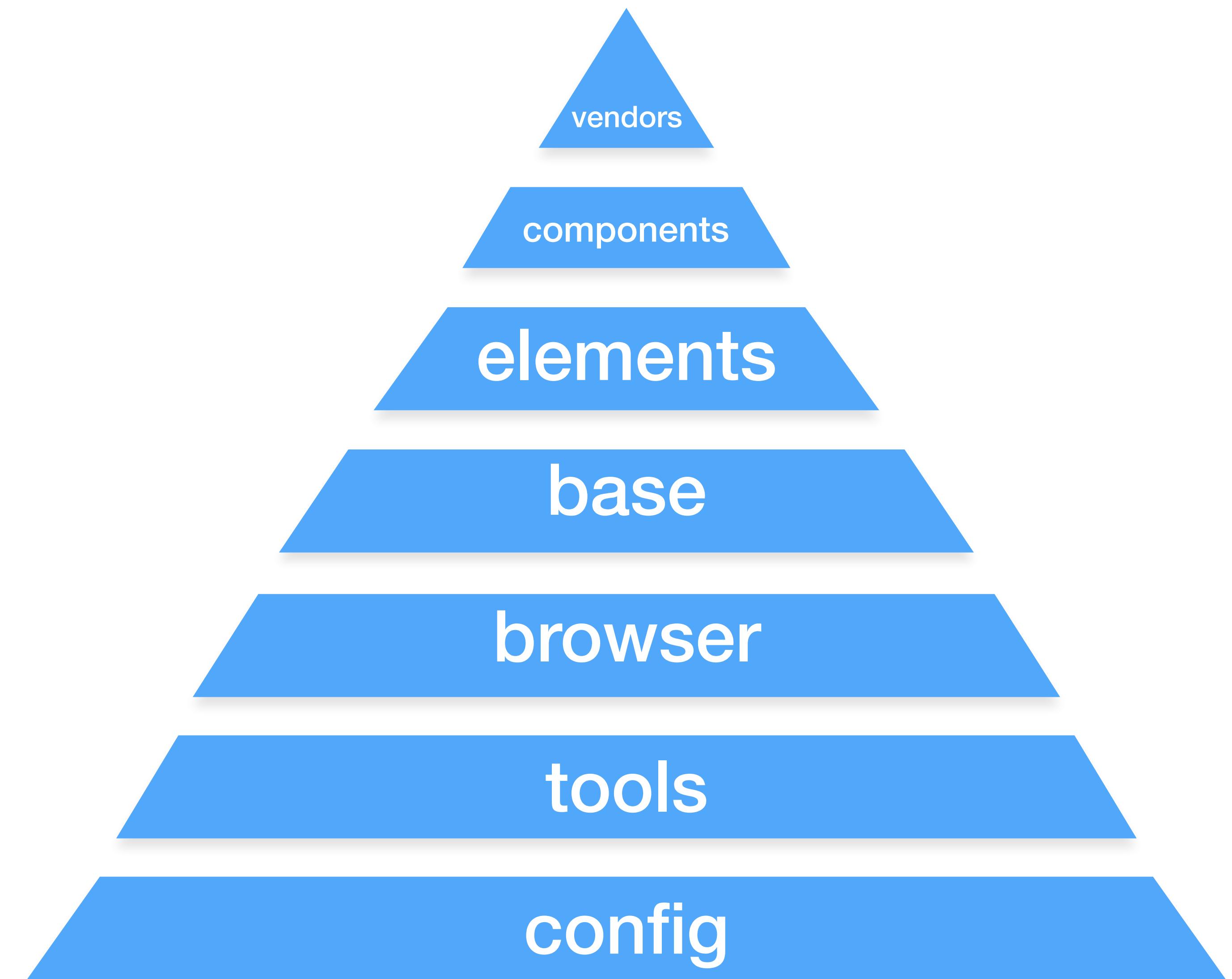
vendors

- jQuery plugin
- inbox





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Sass 趋势与局限

- 档案命名以 class 为主，例：

`.{component}-{xxx}`

.scss 档案就是 `_ {component}.scss`

- 一个 .scss 档案只单独做一件事情

- 不使用 Ruby、Compass、改用 `gulp`

- 曾经是 `Susy 2` 爱好者，但需要用 Compass，

已遗弃，但在有些情境上会拿他来设定元件型 grid 自订 class

Thanks, Q&A

