

02

OPEN ORIENTED

凹凸实验室

WAI-ARIA无障碍网页应用

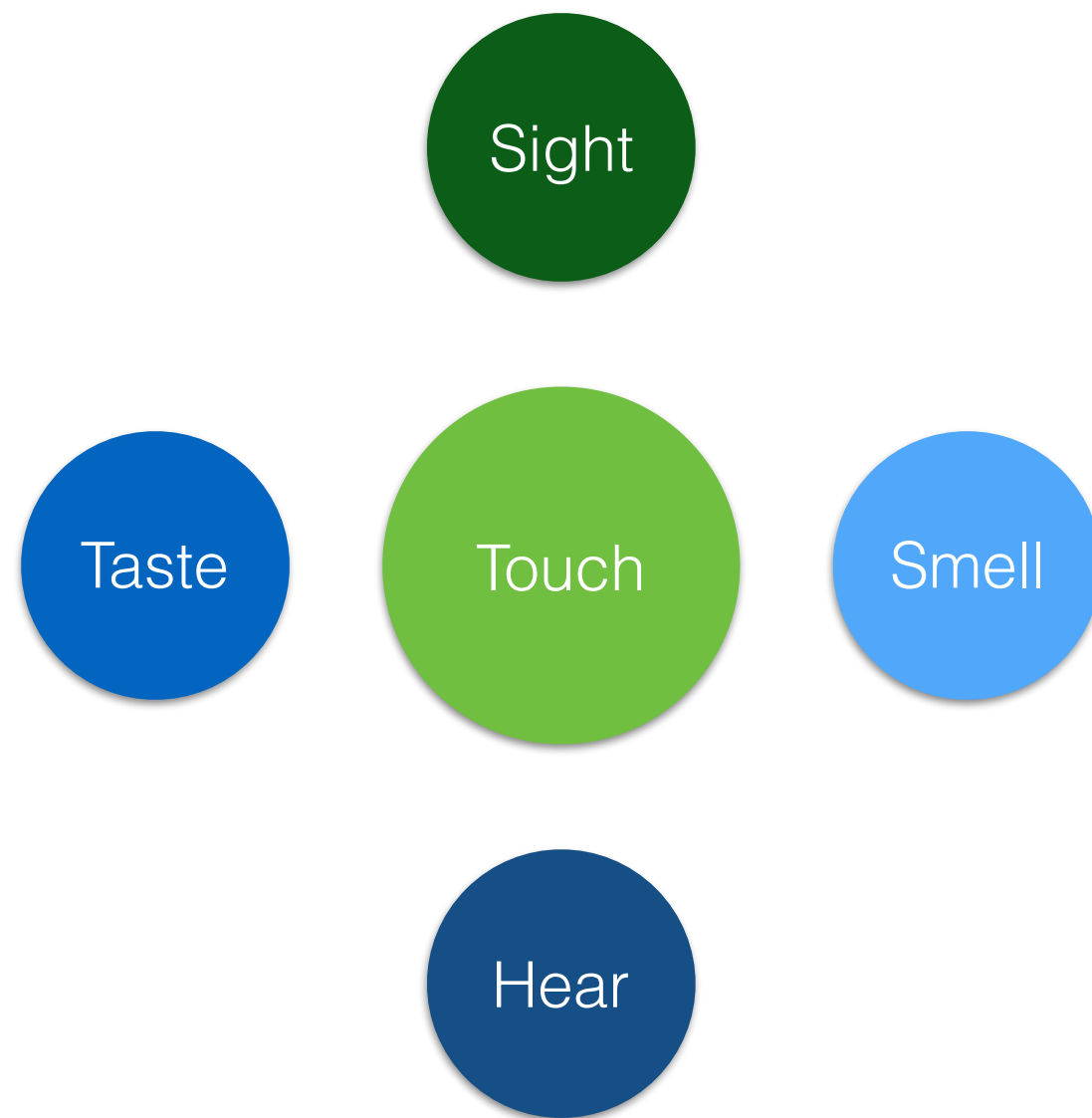
张铭航





Multi-Touch

人认知世界



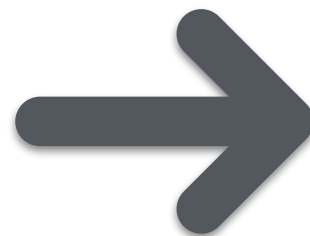


尊重自然，回归本质

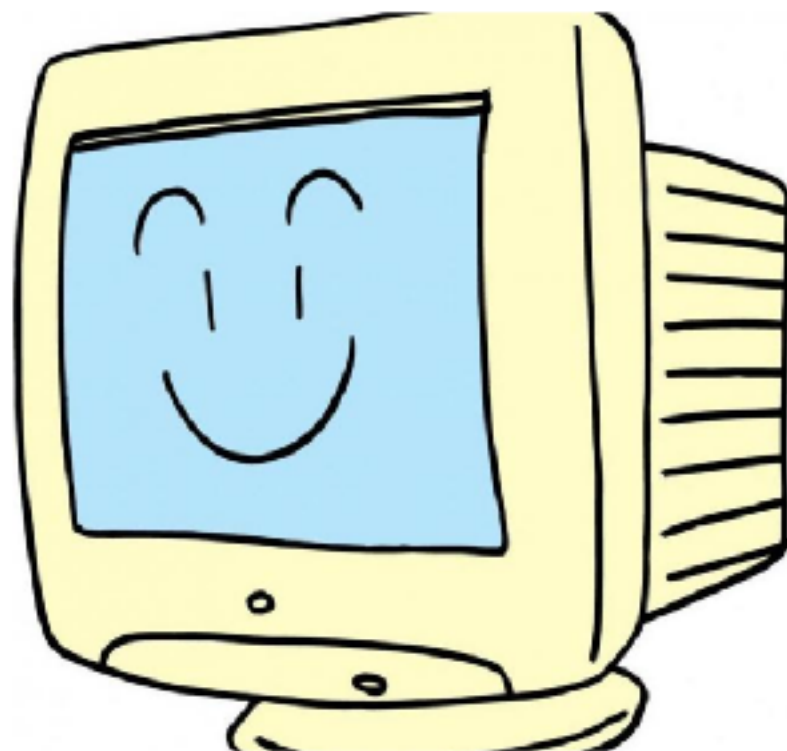
网页的本质

TAGS

```
<html></html>  
<head></head>  
<body></body>  
<title></title>  
<meta>  
...
```



HTML



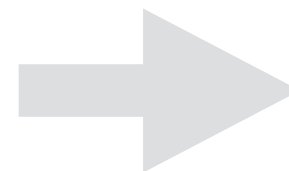
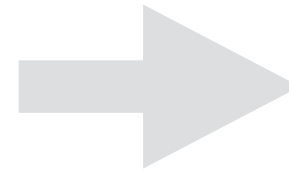
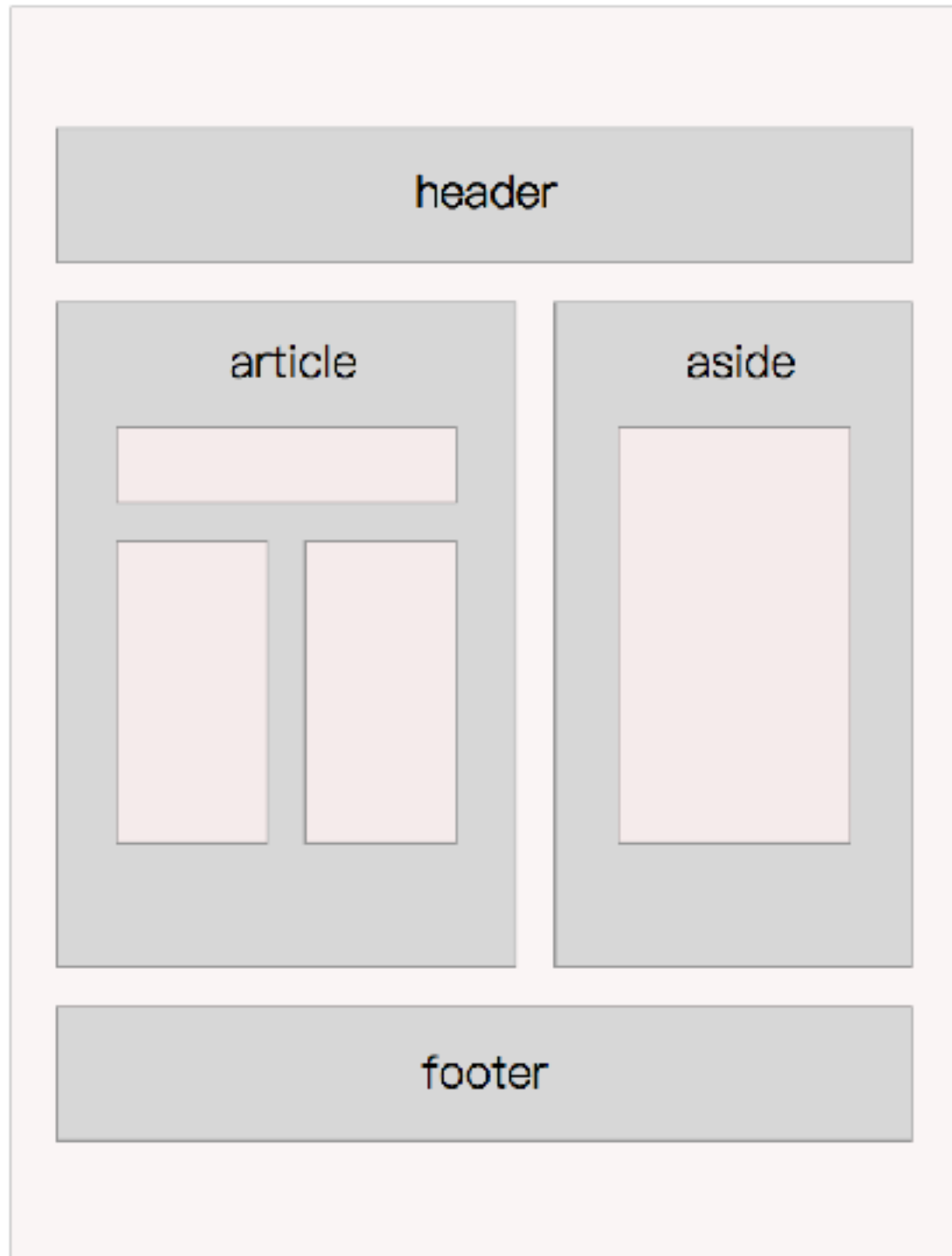
效率 + 体验

Coding HTML



JavaScript







效率 + 体验 + 不变质？

WAI-ARIA

Web Accessibility Initiative – Accessible Rich Internet Applications

读屏设备或软件依赖人群(多指视障人士)

W3C制定标准

持续更新

提升页面可访问性

```
<div class="ul">  
  <div class="li"></div>  
  <div class="li"></div>  
  <div class="li"></div>  
</div>
```



```
<div class="ul" role="list">  
  <div class="li" role="listitem"></div>  
  <div class="li" role="listitem"></div>  
  <div class="li" role="listitem"></div>  
</div>
```

```
<ul class="ul" >  
  <li class="li"></li>  
  <li class="li"></li>  
  <li class="li"></li>  
</ul>
```

组成

role属性 + aria- 属性



```
<div role="tablist">  
  <div role="tab" aria-selected="true"></div>  
  <div role="tab" aria-selected="false"></div>  
  ...  
</div>
```

常用的role值

heading

banner

article

option

navigation

tablist

tab

list

listitem

link

img

button

常用的aria

aria-hidden

aria-label

aria-expanded

aria-describedby

aria-selected (state)

...

常见设备软件

移动端

VoiceOver(iOS)
TalkBack(Android)
Funtouch(Android)

PC

NVDA, JAWS(WIN)
ChromeVox(Chrome)
VoiceOver(macOS)

VoiceOver

How ?

语言设置

```
<html lang="zh-CN">
```

语义化标签

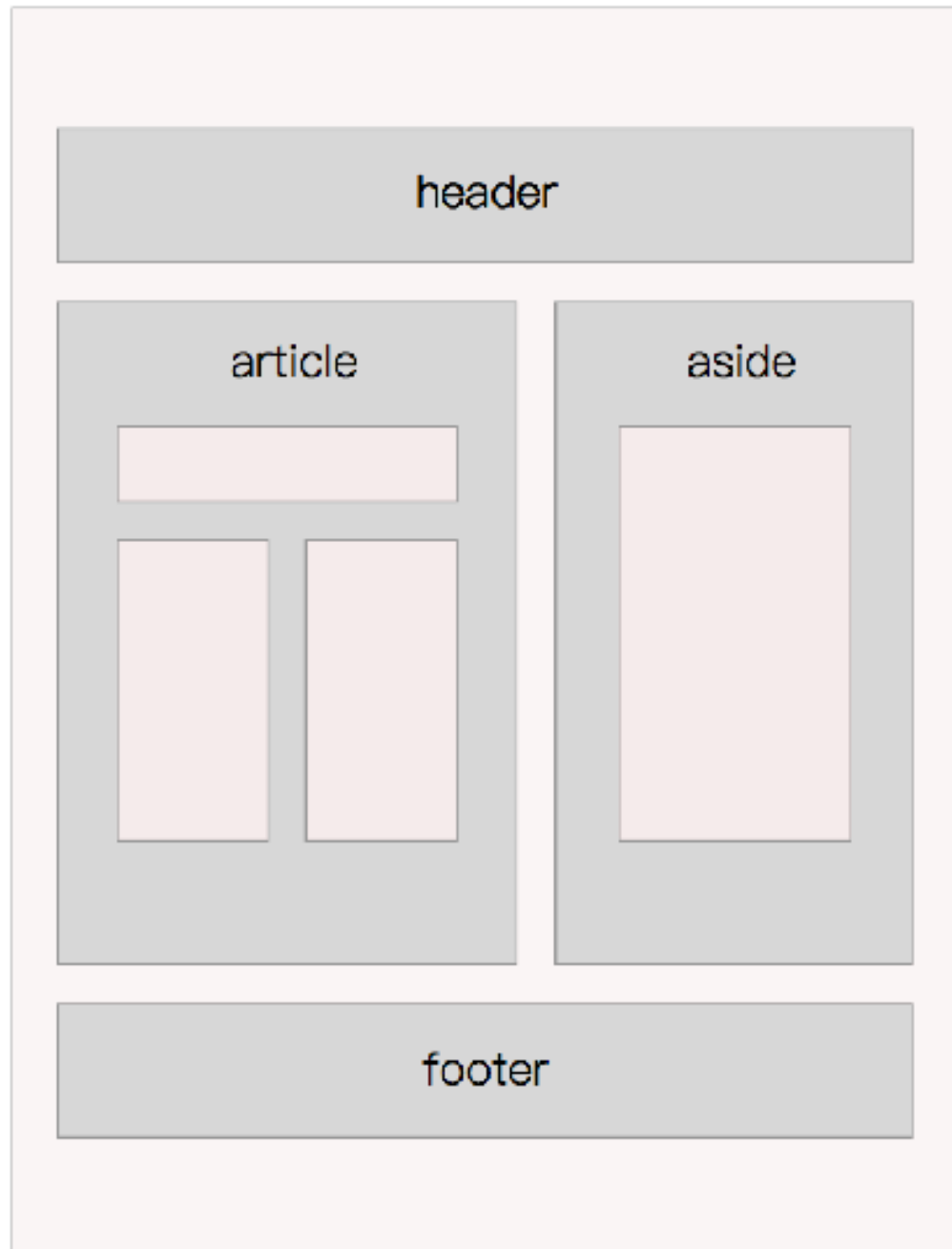
具有默认的role属性值

`<header> -- role="banner"`

`<article> -- role="article"`

`<aside> -- role="complementary"`

`<footer> -- role="contentinfo"`



辅助描述



```
<div role="option" aria-label="好评  
率：87%">  
  <span>好评</span>  
  <span>87%</span>  
</div>
```

```
<span role="option" aria-label="会员  
价格：27.8元人民币">  
  <i>¥</i><em>27.8</em>  
  <i>PLUS</i>  
</span>
```


状态设置



```
<div role="alert" aria-  
expanded="false">  
  ...  
</div>
```

```
<div role="alert" aria-  
expanded="true">  
  ...  
</div>
```

可交互提示



```
<div role="list" title="海鲜水产商品列表，可水平方向滚动翻页">  
  <div role="listitem">...</div>  
  ...  
</div>
```



举手之劳

多一份关怀，加一份底蕴

盲人世界因你而精彩

T H A N K S
FOR YOUR WATCHING

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