

# <Web Components />

<!-- the future of Web development --->

-张宁-

--云适配首席布道师--

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360互联网安全中心

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# One Web, Any Device !



联合创始人 - 陈本峰

W3C中国区HTML5布道官

微软美国总部IE浏览器核心研发成员(IE8、IE9、IE10)

微软最有价值技术专家(MVP)、微软最佳产品贡献奖



联合创始人 - 高婧

美国哈佛大学、香港科技大学商学院

香港WebNova公司商务总监

环球创业领袖培育计划香港区主席

哈佛中国论坛BD副总监



用户体验总监 - 林敏

国内知名用户体验专家

三星用户体验创新部负责人

联想乐Phone用户体验负责人

美国马里兰大学信息系统学博士



一行JS代码  
将网页移动化

# Bootstrap

## Semantic UI

UI is the vocabulary of the web.

Semantic empowers designers and developers by creating a language for sharing UI.



[VIEW UI](#)



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The jQuery logo, featuring an orange square with a white 'J' and the text 'jQuery' in a bold, white, sans-serif font, with 'user interface' in a smaller, orange, sans-serif font below it.

# Foundation

ZURB



uikit

```
<div id="carousel-example-generic" class="carousel slide" data-ride="carousel">
  <!-- Indicators -->
  <ol class="carousel-indicators">
    <li data-target="#carousel-example-generic" data-slide-to="0" class="active"></li>
    <li data-target="#carousel-example-generic" data-slide-to="1"></li>
    <li data-target="#carousel-example-generic" data-slide-to="2"></li>
  </ol>

  <!-- Wrapper for slides -->
  <div class="carousel-inner">
    <div class="item active">
      
      <div class="carousel-caption">
        ...
      </div>
    </div>
    ...
  </div>

  <!-- Controls -->
  <a class="left carousel-control" href="#carousel-example-generic" data-slide="prev">
    <span class="glyphicon glyphicon-chevron-left"></span>
  </a>
  <a class="right carousel-control" href="#carousel-example-generic" data-slide="next">
    <span class="glyphicon glyphicon-chevron-right"></span>
  </a>
</div>
```

## Bootstrap 轮播图组件的 引用方式

<my-slider>





</my-slider>

```
<div id="carousel-example-generic" class="carousel slide" data-ride="carousel">
  <!-- Indicators -->
  <ol class="carousel-indicators">
    <li data-target="#carousel-example-generic" data-slide-to="0" class="active"></li>
    <li data-target="#carousel-example-generic" data-slide-to="1"></li>
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    <div class="item active">
      
      <div class="carousel-caption">
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      </div>
    </div>
    ...
  </div>

  <!-- Controls -->
  <a class="left carousel-control" href="#carousel-example-generic" data-slide="prev">
    <span class="glyphicon glyphicon-chevron-left"></span>
  </a>
  <a class="right carousel-control" href="#carousel-example-generic" data-slide="next">
    <span class="glyphicon glyphicon-chevron-right"></span>
  </a>
</div>
```



- Template
- Custom Element
- Shadow DOM
- HTML Imports

## 目前的做法

```
<script id="indexTemplate" type="text/template">  
  <h1>Inside a template </h1>  
    
</script>
```



## 使用<template>元素

```
<template id="indexTemplate">  
    <h1>Inside a template</h1>  
      
</template>
```

```
var template =document.getElementById('indexTemplate');  
holder.appendChild(template.content.cloneNode(true));
```

## <template>元素特点

- 内容被解析，但是不显示
- 图片资源不会被下载
- 脚本资源不会被下载或者执行

... 直到它被使用



<my-slider>

</my-slider>

## 利用Custom Element创建<my-slider>元素

```
<template>
```

```
<!-- 关于my slider的所有代码 -->
```

```
</template>
```

```
<script>
```

```
var tpl = document.querySelector('template');
```

```
var ImgSliderProto = Object.create(HTMLElement.prototype);
```

```
ImgSliderProto.createdCallback = function() {
```

```
  var root = this.createShadowRoot();
```

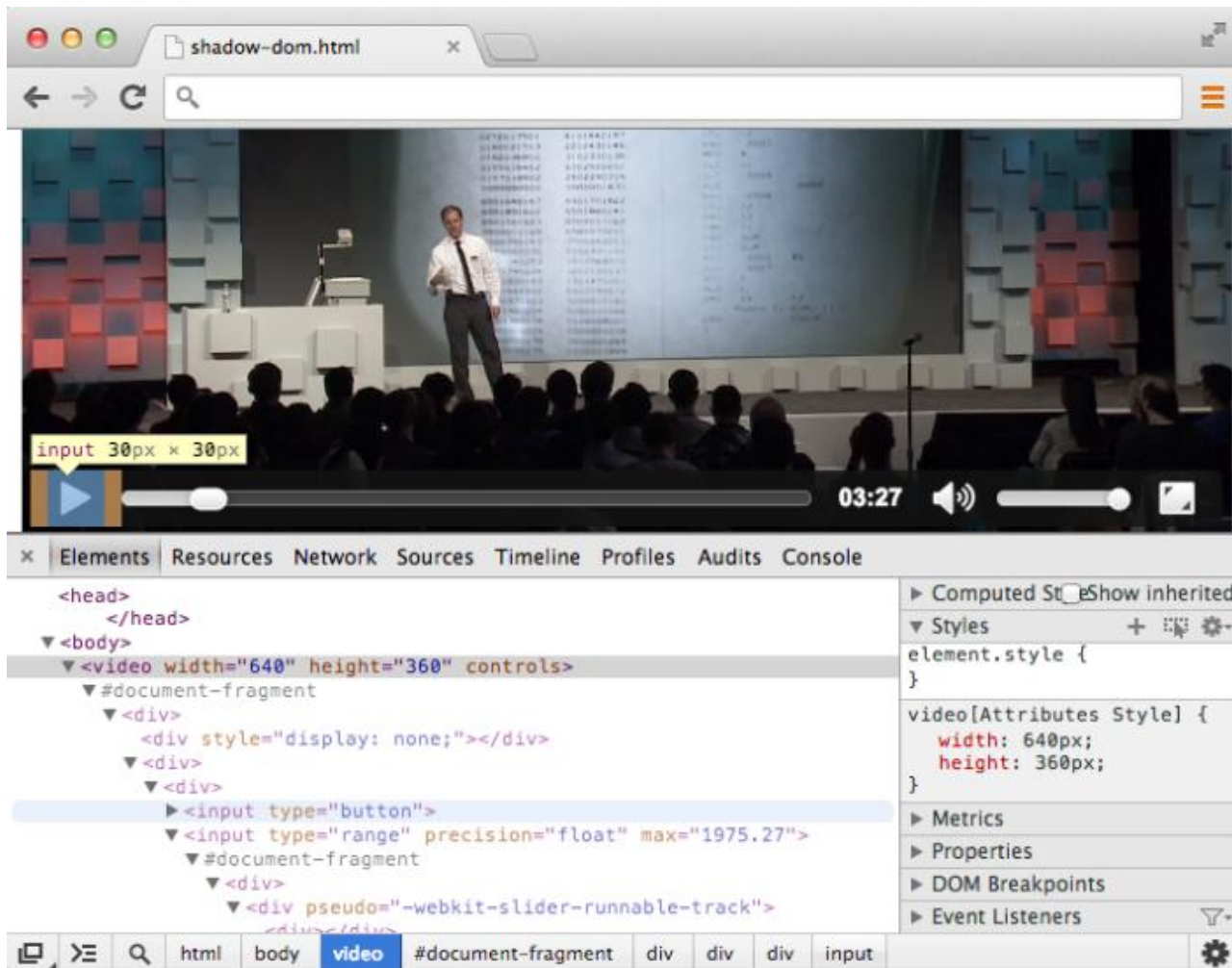
```
  root.appendChild(document.importNode(tpl.content, true));
```

```
};
```

```
var ImgSlider = document.registerElement('my-slider', { prototype: ImgSliderProto});
```

```
</script>
```

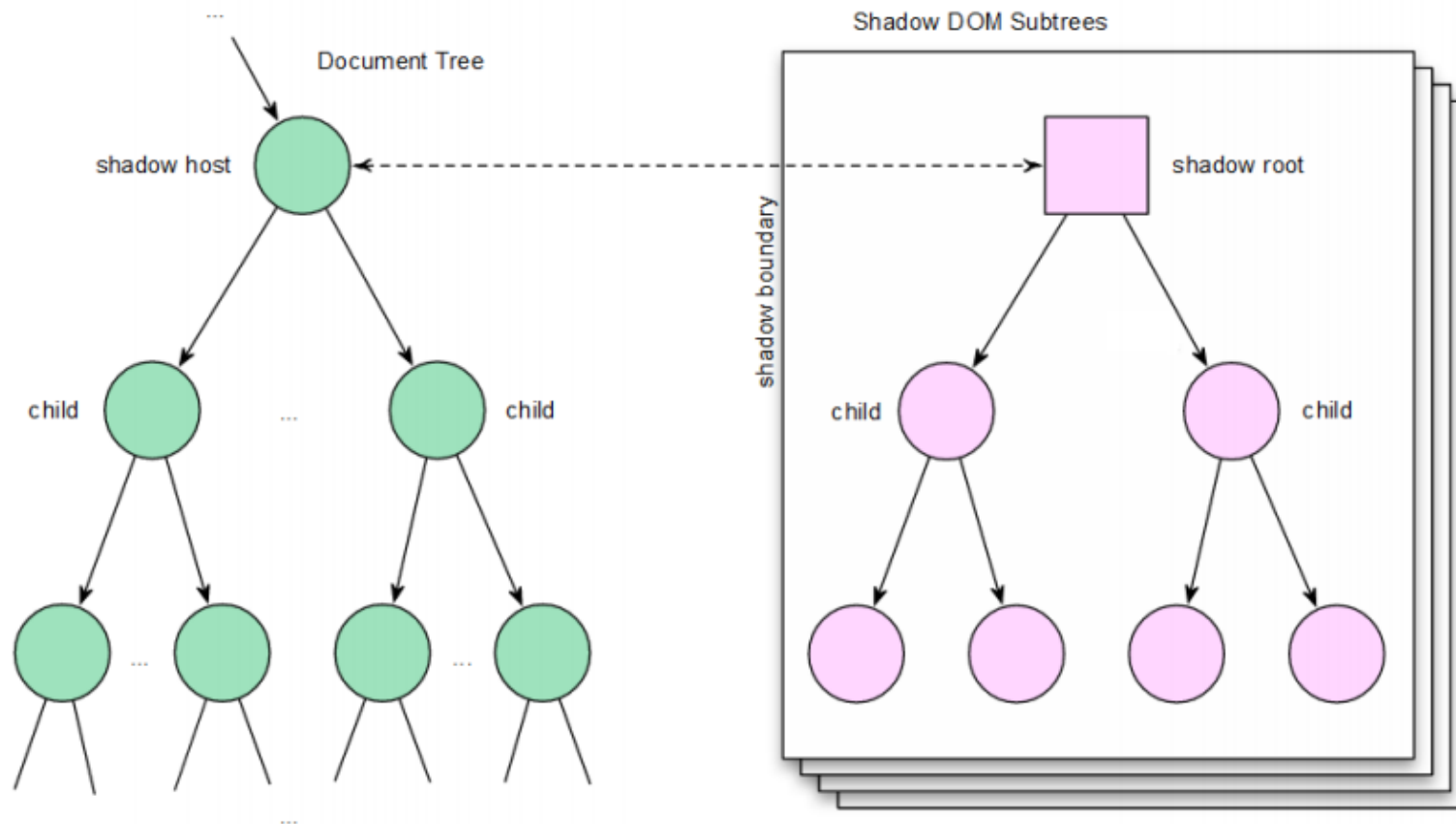




The screenshot shows a web browser window with the file `shadow-dom.html` open. The browser's address bar is empty. The main content area displays a video player showing a man on a stage. A yellow tooltip over the video player indicates `input 30px x 30px`. The video player's progress bar shows the video is at 03:27. Below the video player, the Chrome DevTools Elements panel is open, showing the DOM tree. The selected element is an `input` element with the attribute `type="button"`. The DOM tree structure is as follows:

```
<head>
</head>
<body>
  <video width="640" height="360" controls>
    #document-fragment
      <div>
        <div style="display: none;"></div>
        <div>
          <div>
            <input type="button">
              <input type="range" precision="float" max="1975.27">
                #document-fragment
                  <div>
                    <div pseudo="-webkit-slider-runnable-track">
```

The right-hand pane of the Elements panel shows the `Computed Style` for the selected `input` element, which is `display: none;`. The `video` element's style is also shown, with `width: 640px;` and `height: 360px;`. The bottom of the Elements panel shows the breadcrumb: `html > body > video > #document-fragment > div > div > div > input`.



## Shadow DOM 特点

- 挂载在某一个元素下面，但是不在DOM里面显示
- 完全独立当前文档，不受当前文档样式的影响



```
<link rel="import" href="my-slider.html">
```

myslider.html 代码

```
<template id="myslider">
  <!-- slider 的完全代码 -->
</template>
<script>
  var sliderProto = Object.create(HTMLElement.prototype);
  sliderProto.createdCallback = function() {
    var template = document.querySelector('#myslider');
    var shadowRoot = this.createShadowRoot();
    var clone = template.content.cloneNode(true);
    shadowRoot.appendChild(clone);
  };
  document.register('myslider', {prototype: sliderProto});
</script>
```

```
<link rel="import" href=myslider.html">
<myslider></myslider>
```

index.html 代码

Templates



Custom Elements



Shadow DOM



HTML Imports





<http://www.polymer-project.org/>



<http://x-tags.org/>



# Amaze UI

中国首个开源 HTML5 跨屏前端框架

请输入你的 Email

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# Thanks!

云适配