



链滴

[思源笔记经验分享] HTML 块中获得自身的 DOM 节点

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来源网站: 链滴

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<h2 id="背景">背景</h2>

<p>由于思源 HTML 块是使用 shadow DOM 嵌入笔记 DOM 树中的, 因此在 HTML 块中使用 <code><script></code> 标签插入的脚本没法简单获取块本身的 DOM。</p>

<h2 id="解决方案">解决方案</h2>

<p>原理: 由于思源所有带编辑框的块都有一个 HTML 属性 <code>data-content</code>, 里面存编辑框转义后的内容, 因此可以通过 CSS 的 CSS3 [attribute*=value] 选择器 查询到当前块, 直接上代码</p>

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<pre><code class="language-html highlight-chroma"><span class="highlight-line"><span class="highlight-cl"><span class="highlight-p">&lt;</span><span class="highlight-nt">scrip</span><span class="highlight-p">&gt;</span></span></span><span class="highlight-line"><span class="highlight-cl"><span class="highlight-cm"> /* 使用括号划分一下作用域, 避免函数的重定义 */</span></span></span><span class="highlight-line"><span class="highlight-cl"><span class="highlight-p">{</span></span></span><span class="highlight-line"><span class="highlight-cl"><span class="highlight-cm"> /* 自定义 ID, 每个 HTML 块应该使用不同的 ID */</span></span></span><span class="highlight-line"><span class="highlight-cl"><span class="highlight-kr">const</span><span class="highlight-nx">CUSTOM_ID</span><span class="highlight-o">=</span><span class="highlight-s2">"E5C1EC9E30C14616A1974670281D2800</span><span class="highlight-p">;</span></span></span><span class="highlight-line"><span class="highlight-cl"></span></span></span><span class="highlight-line"><span class="highlight-cl"><span class="highlight-cl"><span class="highlight-cm"> /**</span></span></span><span class="highlight-line"><span class="highlight-cl"><span class="highlight-cl"><span class="highlight-cm"> * HTML 块中的脚本获取当前块相关信息</span></span></span><span class="highlight-line"><span class="highlight-cl"><span class="highlight-cl"><span class="highlight-cm"> * @params {string} customID 内部定义的 ID</span></span></span><span class="highlight-line"><span class="highlight-cl"><span class="highlight-cl"><span class="highlight-cm"> * @returns {string} id 当前 HTML 块 ID</span></span></span><span class="highlight-line"><span class="highlight-cl"><span class="highlight-cl"><span class="highlight-cm"> * @returns {HTMLElement} block 当前 HTML 块</span></span></span><span class="highlight-line"><span class="highlight-cl"><span class="highlight-cl"><span class="highlight-cm"> * @returns {HTMLElement} shadowRoot 当前 HTML 块 shadowRoot</span></span></span><span class="highlight-line"><span class="highlight-cl"><span class="highlight-cm"> */</span></span></span><span class="highlight-line"><span class="highlight-cl"><span class="highlight-cl"><span class="highlight-kd">function</span><span class="highlight-nx">This</span><span class="highlight-p">(</span><span class="highlight-nx">customID</span><span class="highlight-p">)</span></span></span><span class="highlight-line"><span class="highlight-cl"><span class="highlight-cl"><span class="highlight-kd">let</span><span class="highlight-nx">protyle</span><span class="highlight-o">=</span><span class="highlight-nb">document</span><span class="highlight-p">.</span><span class="highlight-nx">querySelector</span><span class="highlight-p">(</span><span class="highlight-sb">`protyle-html[data-content*="</span><span class="highlight-si">${</span><span class="highlight-nx">customID</span><span class="highlight-si">}</span></span><span class="highlight-sb">`]</span><span class="highlight-p">);</span></span></span><span class="highlight-line"><span class="highlight-cl"><span class="highlight-cl"><span class="highlight-k">if</span><span class="highlight-p">(</span><span class="highlight-nx">protyle</span><span class="highlight-p">)</span><span class="highlight-p">{</span></span></span><span class="highlight-line"><span class="highlight-cl"><span class="highlight-cl"><span class="highlight-kd">let</span><span class="highlight-nx">block</span><span class="highlight-p">=</span></span></span></pre>
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span> <span class="highlight-p">.</span> <span class="highlight-nx">nodeId</span> <span
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">shadowRoot</span> <span class="highlight-p">,</span>
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ass="highlight-p">};</span>
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return</span> <span class="highlight-kc">null</span> <span class="highlight-p">;</span>
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highlight-kr">const</span> <span class="highlight-nx">THIS</span> <span class="highligh
-o">=</span> <span class="highlight-nx">This</span> <span class="highlight-p">(</span
<span class="highlight-nx">CUSTOM_ID</span> <span class="highlight-p">);</span>
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> <span class=
highlight-nx">console</span> <span class="highlight-p">.</span> <span class="highlight-n
">log</span> <span class="highlight-p">(</span> <span class="highlight-nx">THIS</span
<span class="highlight-p">);</span>
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> <span class="h
ghlight-p">}</span>
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ight-p">&lt;/</span> <span class="highlight-nt">script</span> <span class="highlight-p">
gt;</span>
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