



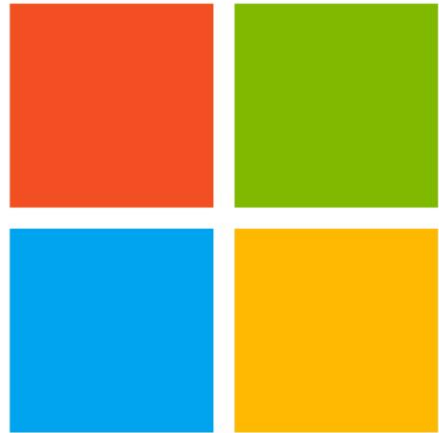
BUILDING A WEB COMPONENT LIBRARY

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Please check Discord for instructions



Microsoft

arewebcomponentsathingyet.com



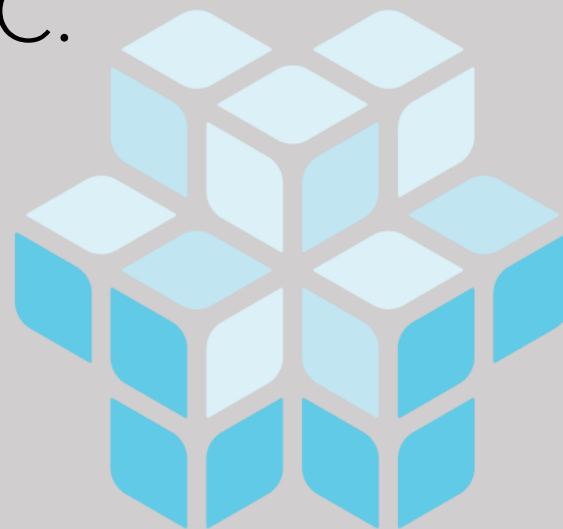
A.



B.

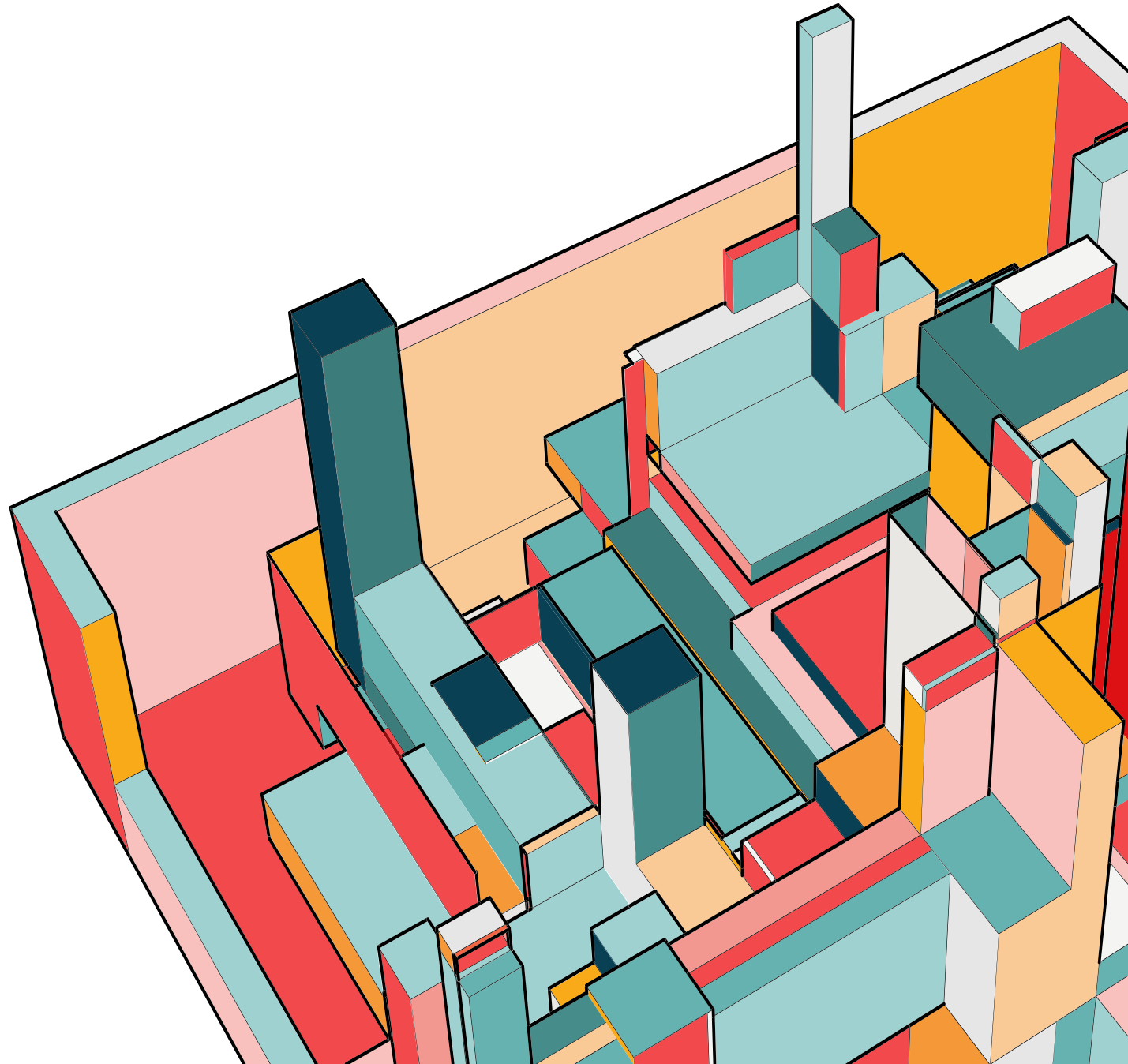


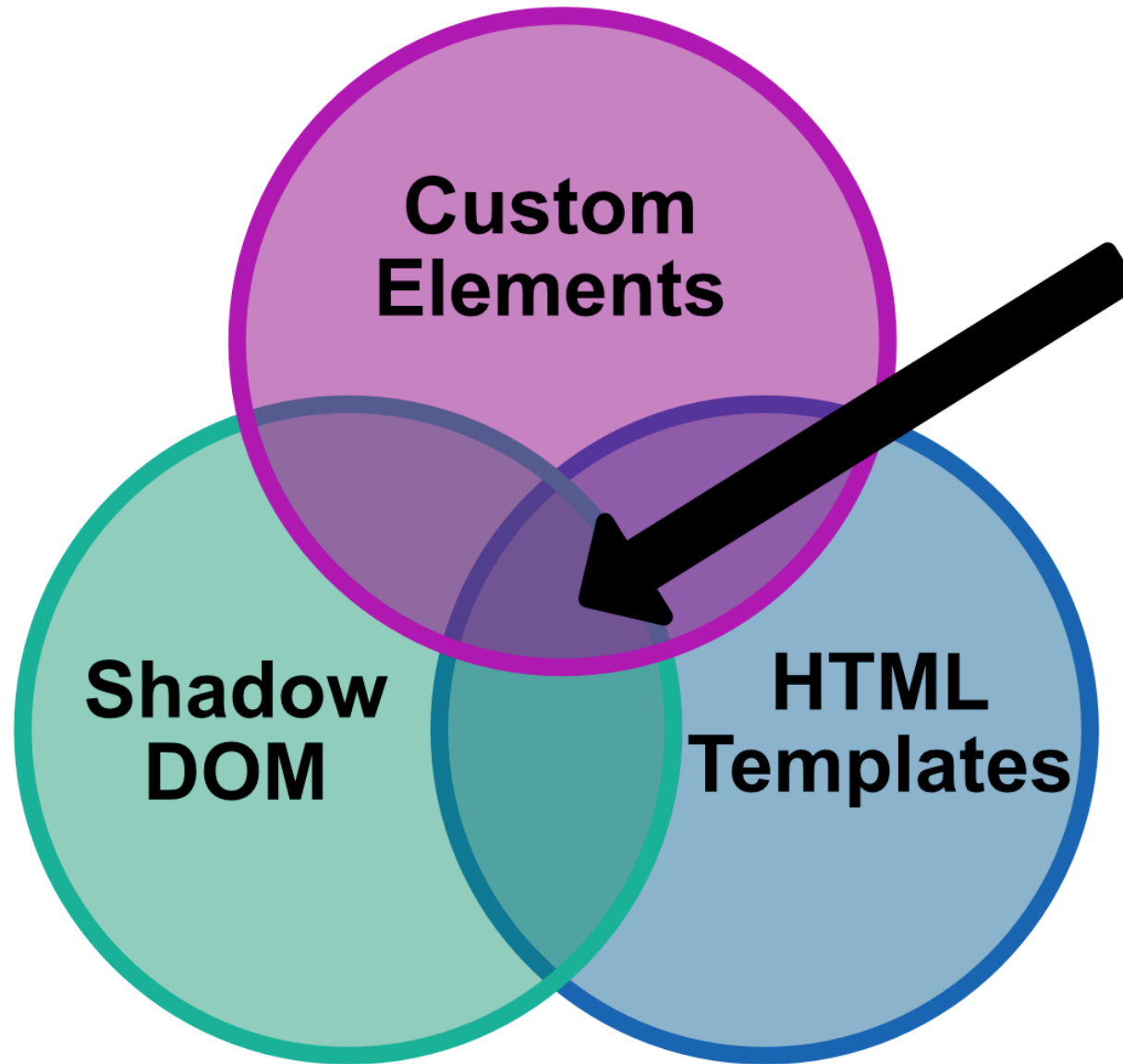
C.



WEB COMPONENTS

"Web Components is a suite of different technologies allowing you to create reusable custom elements – with their functionality encapsulated away from the rest of your code – and utilize them in your web apps." - MDN

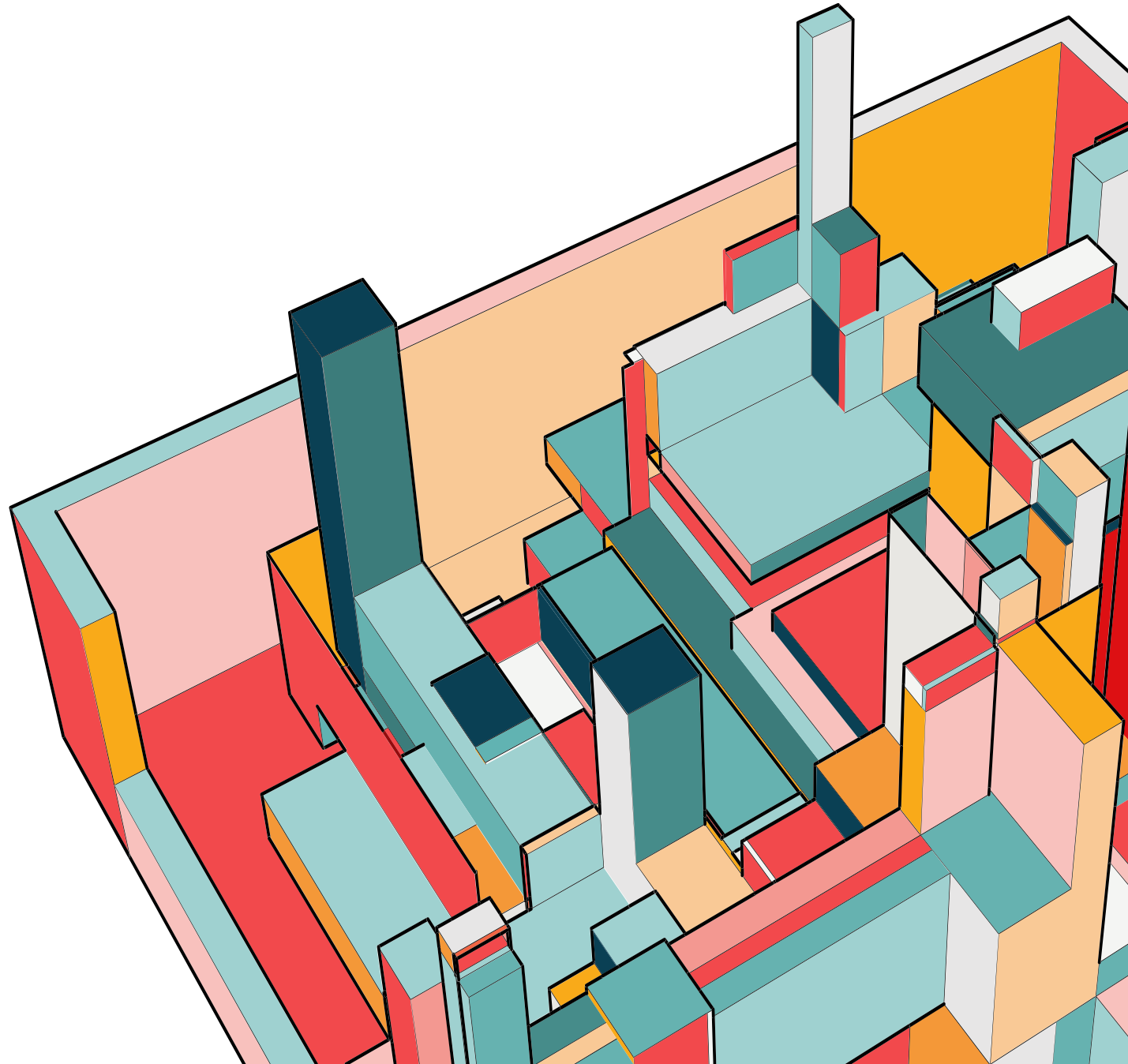




**Web
Components**

CUSTOM ELEMENTS

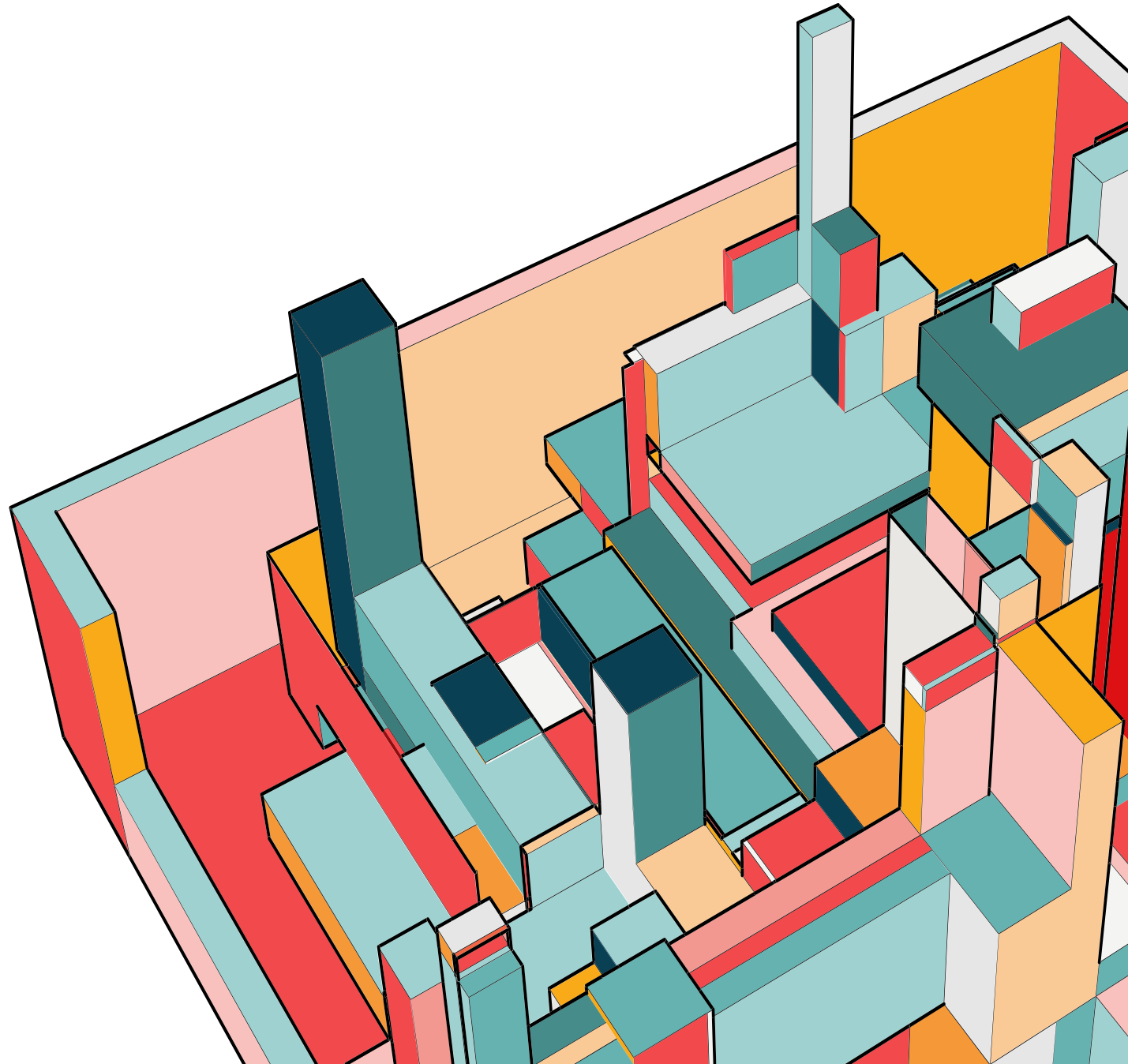
"The ability to create custom elements that encapsulate your functionality on an HTML page, rather than having to make do with a long, nested batch of elements that together provide a custom page feature." - MDN



SHADOW DOM

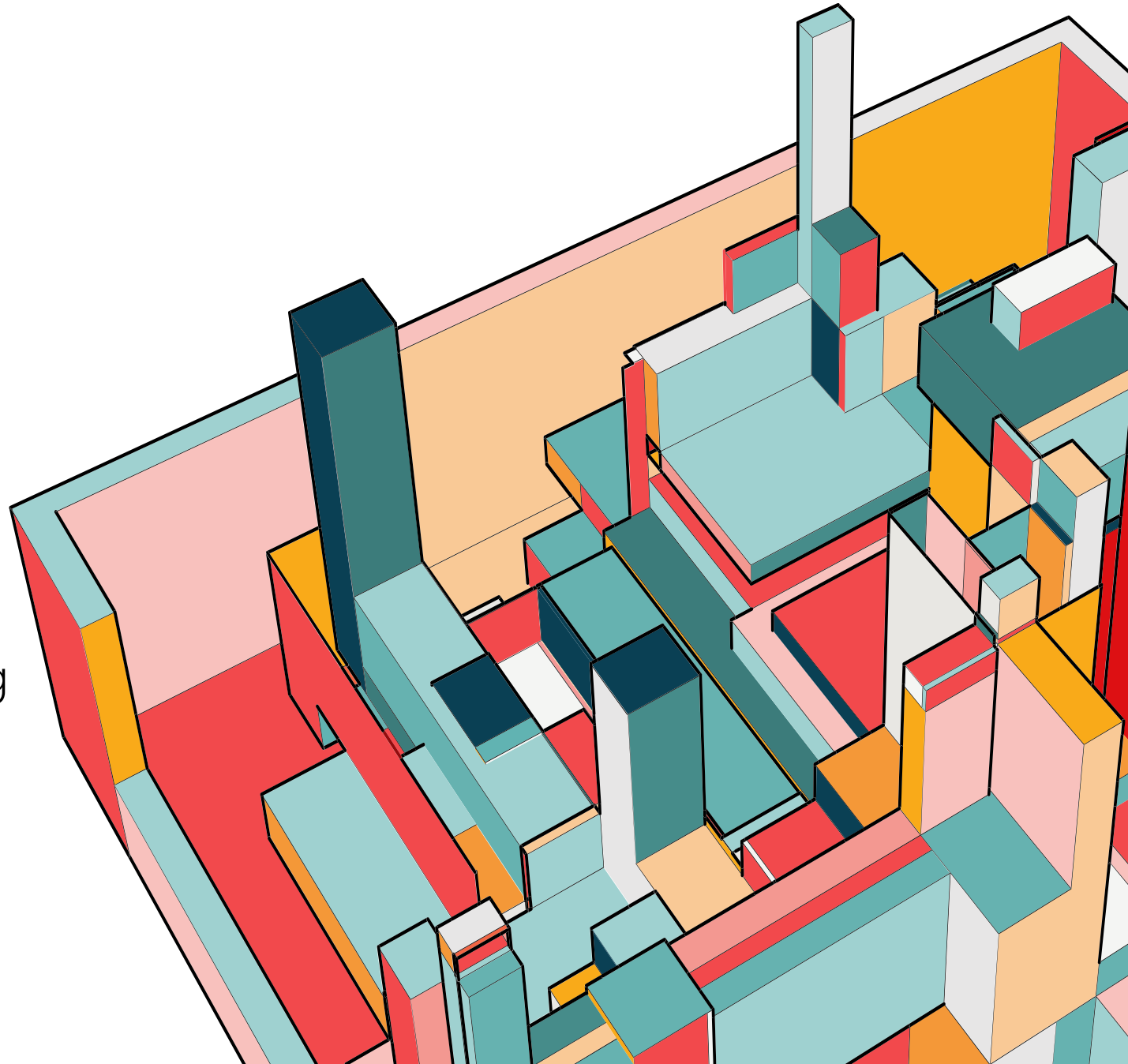
"The Shadow DOM API is a key part of this, providing a way to attach a hidden separated DOM to an element."

"[This provides the ability] to keep the markup structure, style, and behavior hidden and separate from other code on the page so that different parts do not clash, and the code can be kept nice and clean." - MDN



HTML TEMPLATES

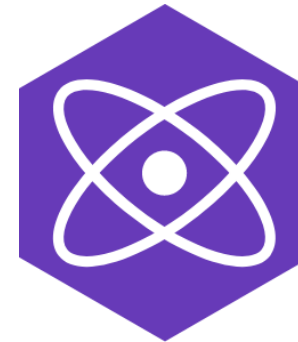
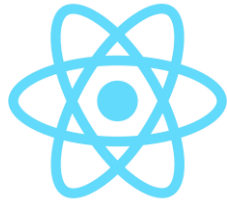
"The `<template>` HTML element is a mechanism for holding HTML that is not to be rendered immediately when a page is loaded but may be instantiated subsequently during runtime using JavaScript." - MDN



HTML Templates

```
<template id="tpl">  
  <script>  
    alert("Hello");  
  </script>  
  <div class="message">Hello, world!</div>  
</template>
```

CUSTOM ELEMENT INTEGRATION



WEB COMPONENTS ARE EVERYWHERE!!!

WHY NOT WEB COMPONENTS?

- SSR ☐
- SEO 😊
- Requires JavaScript ☐
- Browser Spec Adoption ☐
- Forms 😊
- Legacy Browsers 😊
- Learning Curve ☐
- Component Registries ☐

WHAT WE WILL COVER

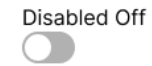
- Composing Web Components
- Passing Data to Web Components
- Getting Data Out of Components
- Styling Web Components
- Making Web Components Styleable
- Integrations

Switch Component

Rest / Default



Disabled



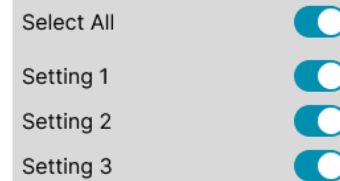
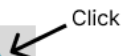
Label Placement



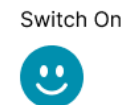
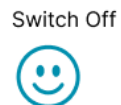
Size Variations (any)



Group Functionality



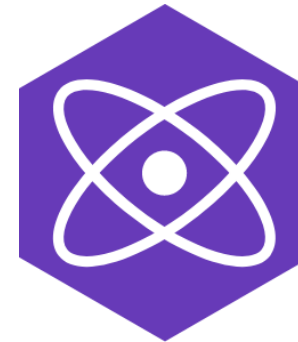
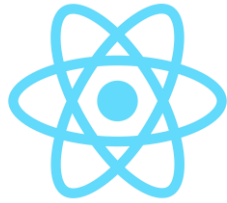
Variation Capabilities



webcomponents.dev



CUSTOM ELEMENT INTEGRATION



custom-elements-everywhere.com



THANK YOU

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