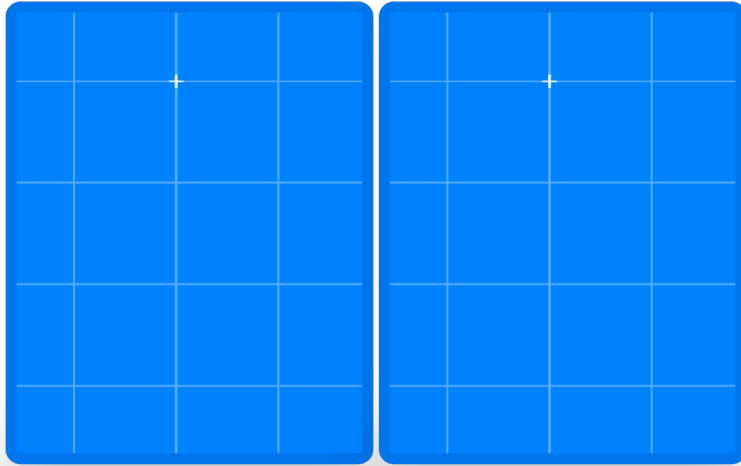


Window Segment Enumeration Script API

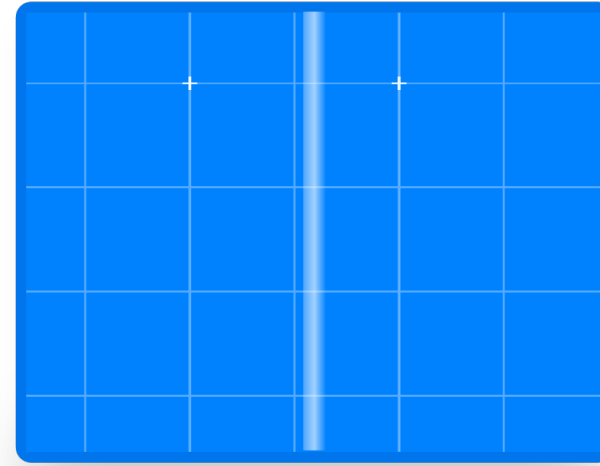
TPAC 2020

Zouhir Chahoud, Microsoft

Form-factor overview



- 2 Physical screens
- 1 “fold”
- 2 logical display regions



- 1 Physical screen
- 1 “fold”
- 2 logical display regions

Use-cases overview



Responsive tablet layout



⚠ Responsive tablet layout on dual-screen out-of-the-box

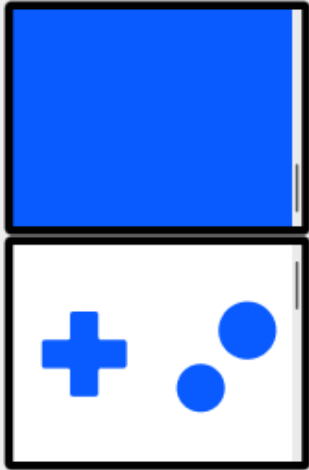


✔ Responsive dual-screen layout in spanning state

Reading mail view

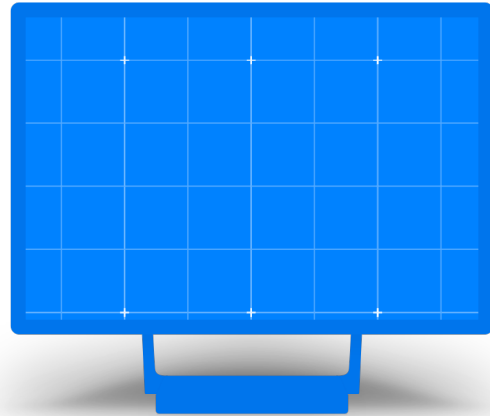
wide contiguous screen vs dual-screen out-of-the-box vs dual-screen enhanced

Use-cases overview



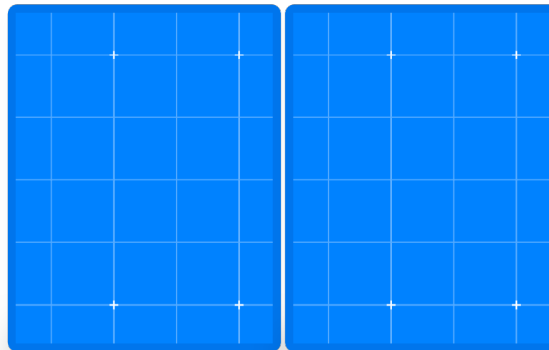
The `getWindowSegments` API

```
const segments = window.getWindowSegments();  
console.log(segments.length); // 1
```



The `getWindowSegments` API

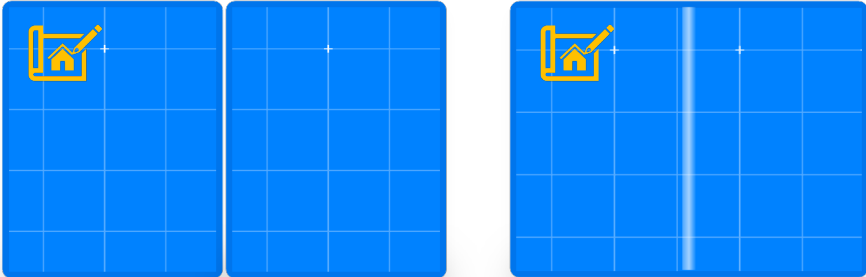
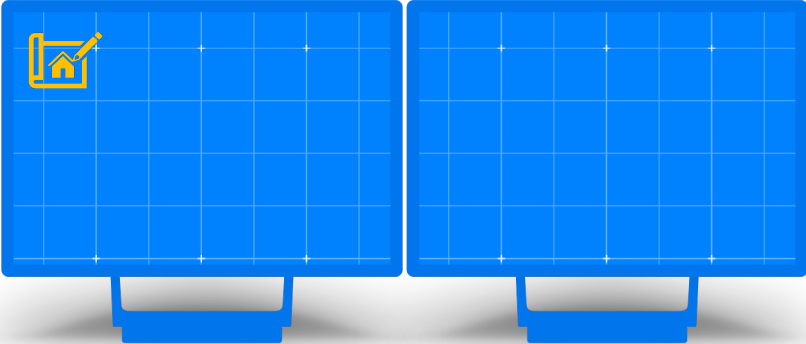
```
const segments = window.getWindowSegments();  
console.log(segments.length); // 2
```



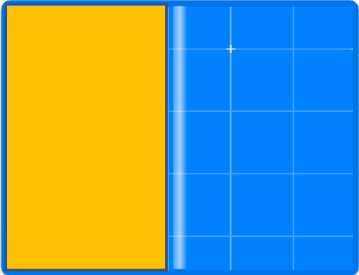
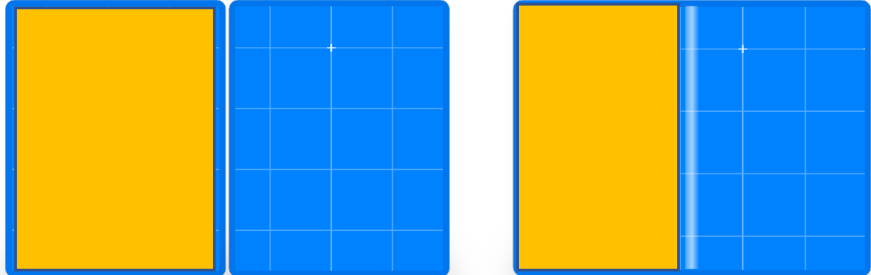
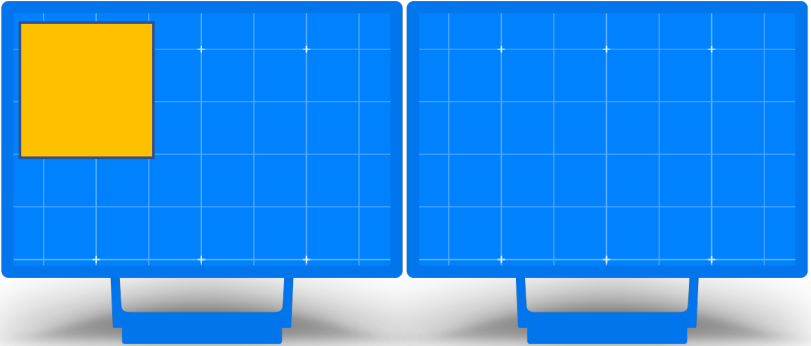
The `getWindowSegments` API Lifetime

```
window.addEventListener("resize", function() {  
    const segments = window.getWindowSegments();  
    console.log(segments.length); // 1  
});
```

Differences?

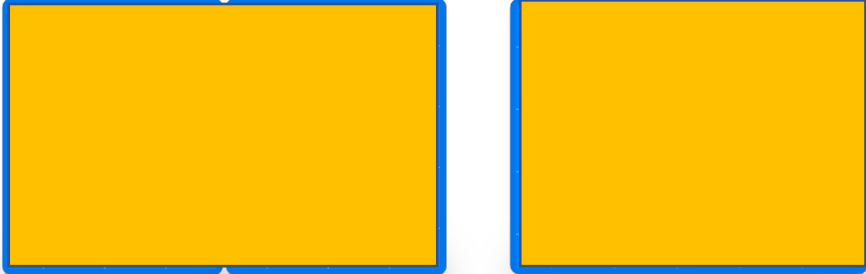


Difference 1: Window Manager Behavior

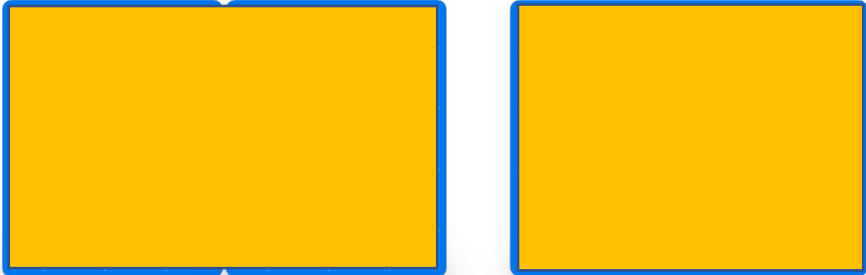
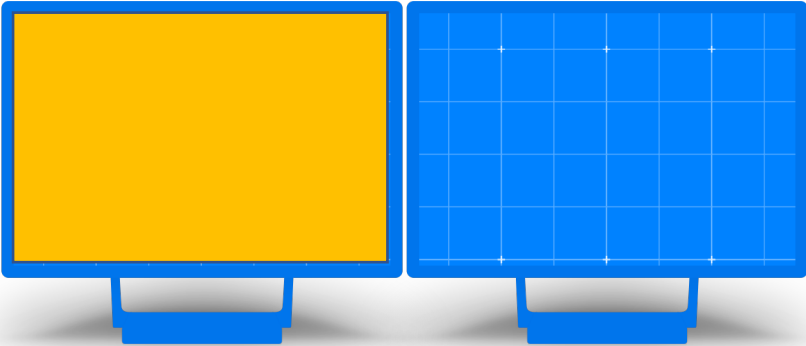


User action: maximize window

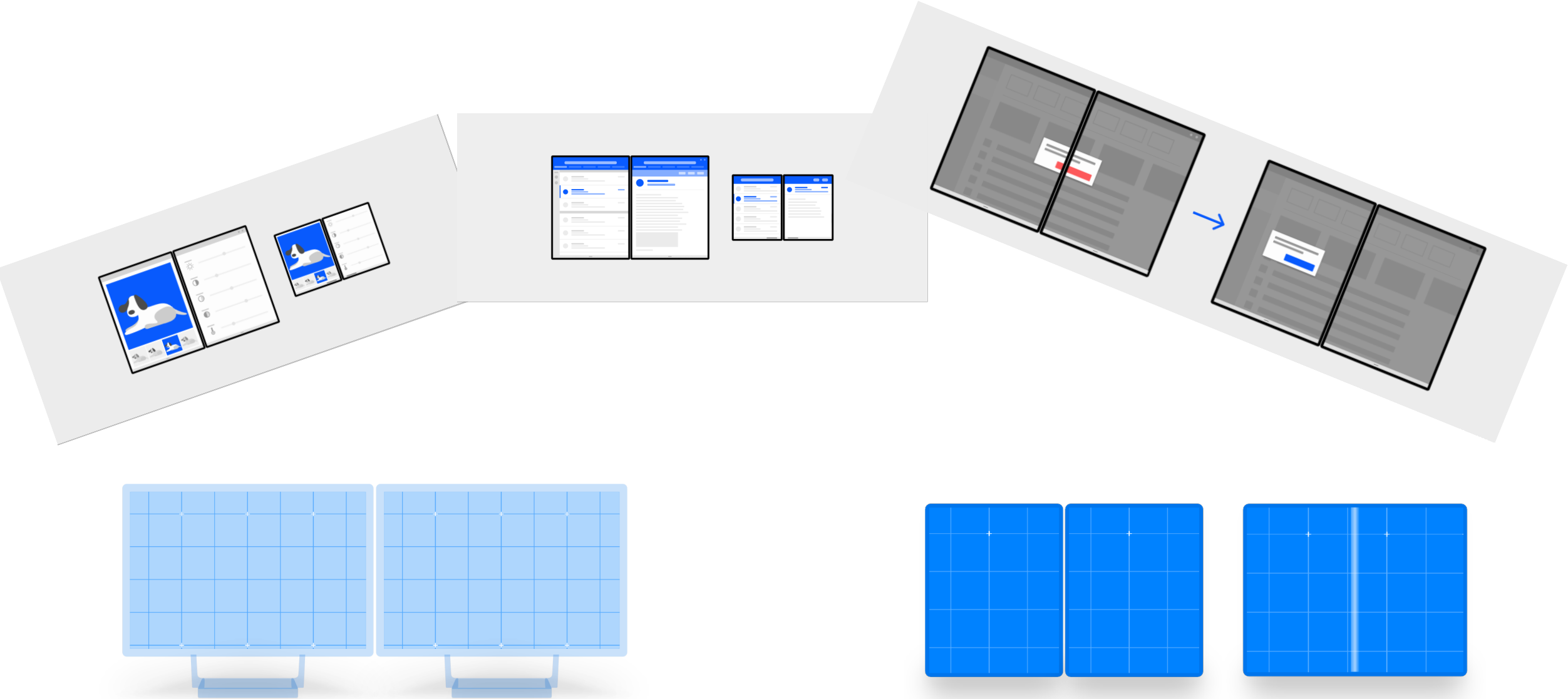
Difference 1: Window Manager Behavior



Spanning: A New Semantic Window Mode



Difference 2: Use-cases & Customer Requests



Goals

We don't want to create new, redundant concepts

We don't want to optimize for a problem that does not exist.

We want the Web to be as prepared as native for this new form-factor.





THANK YOU

Questions or feedback?