

Week 6:

Interaction III

Context (Continued)

Context

What do I mean by context?

Context

What do I mean by context?

The inferences we can make about a visitor based on the device they are using.

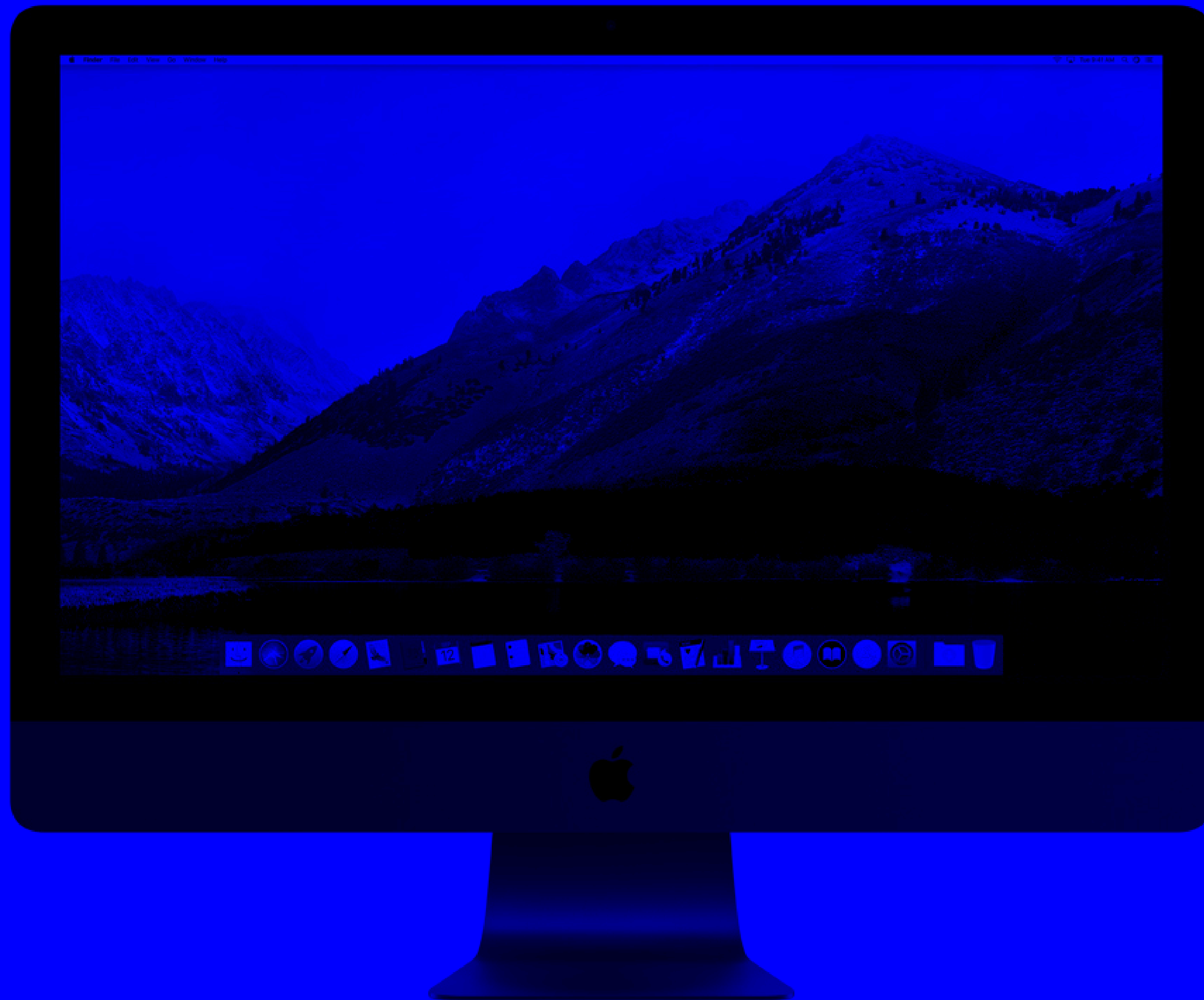
Context

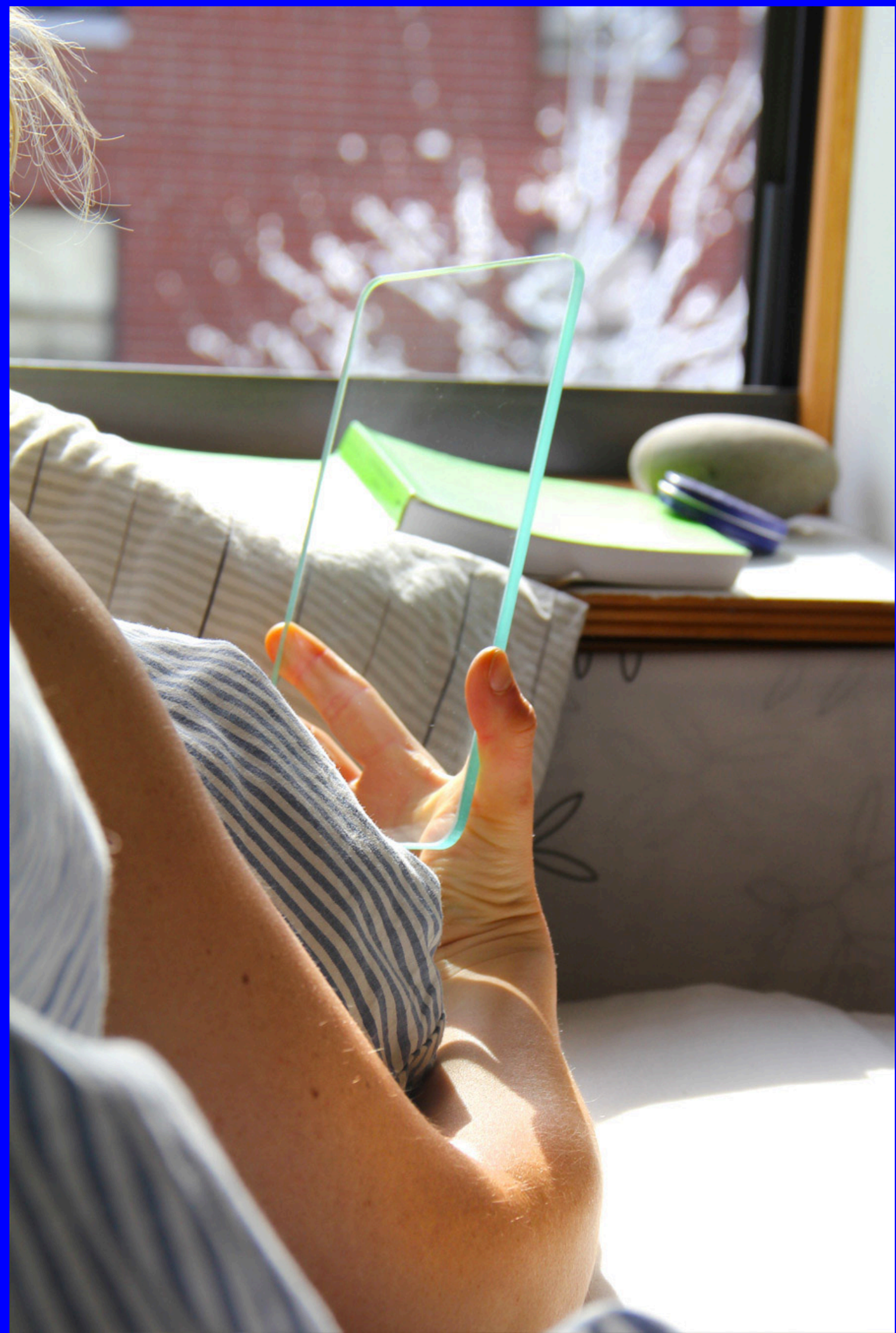
What do I mean by context?

The inferences we can make about a visitor based on the device they are using.

How do different devices suggest context?

Context

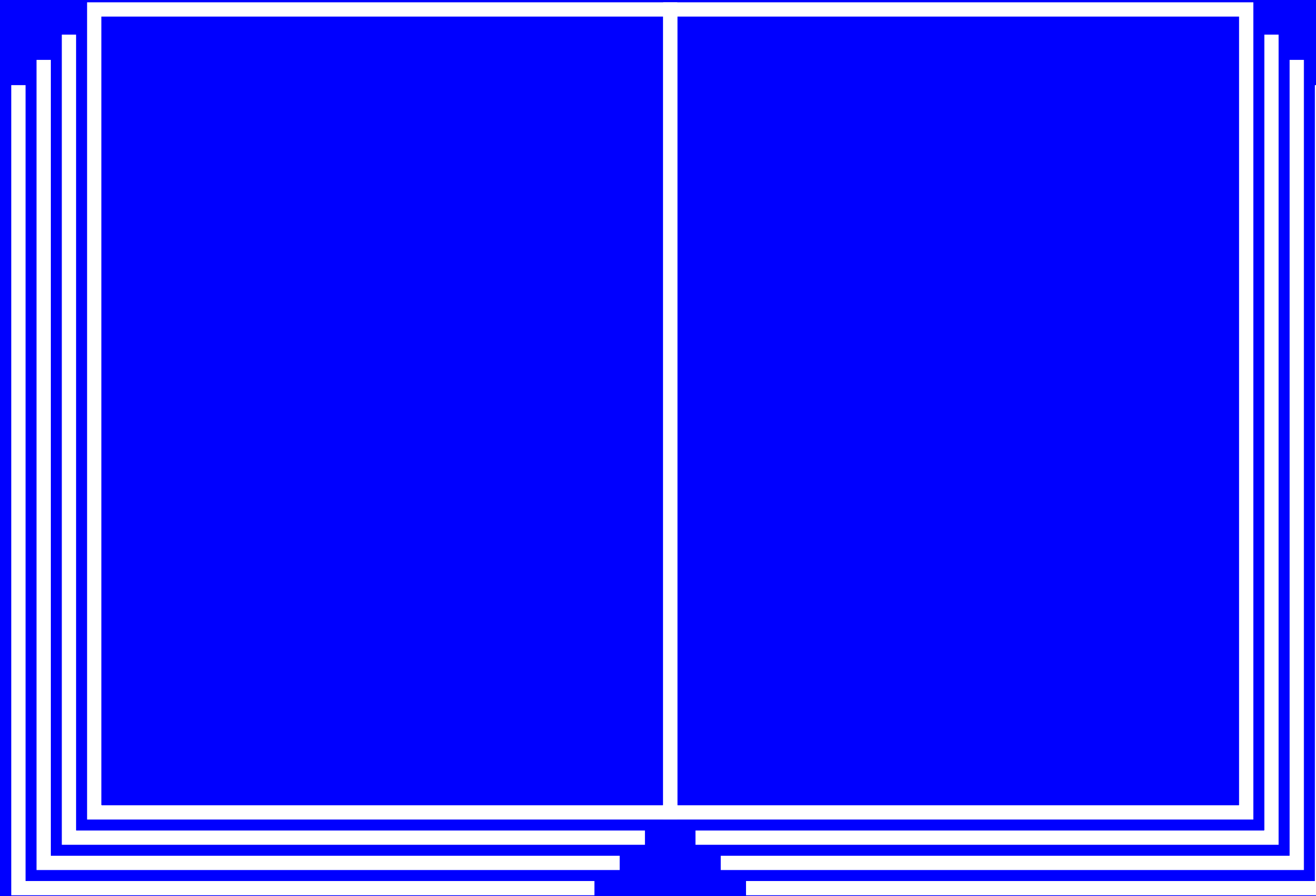




Books

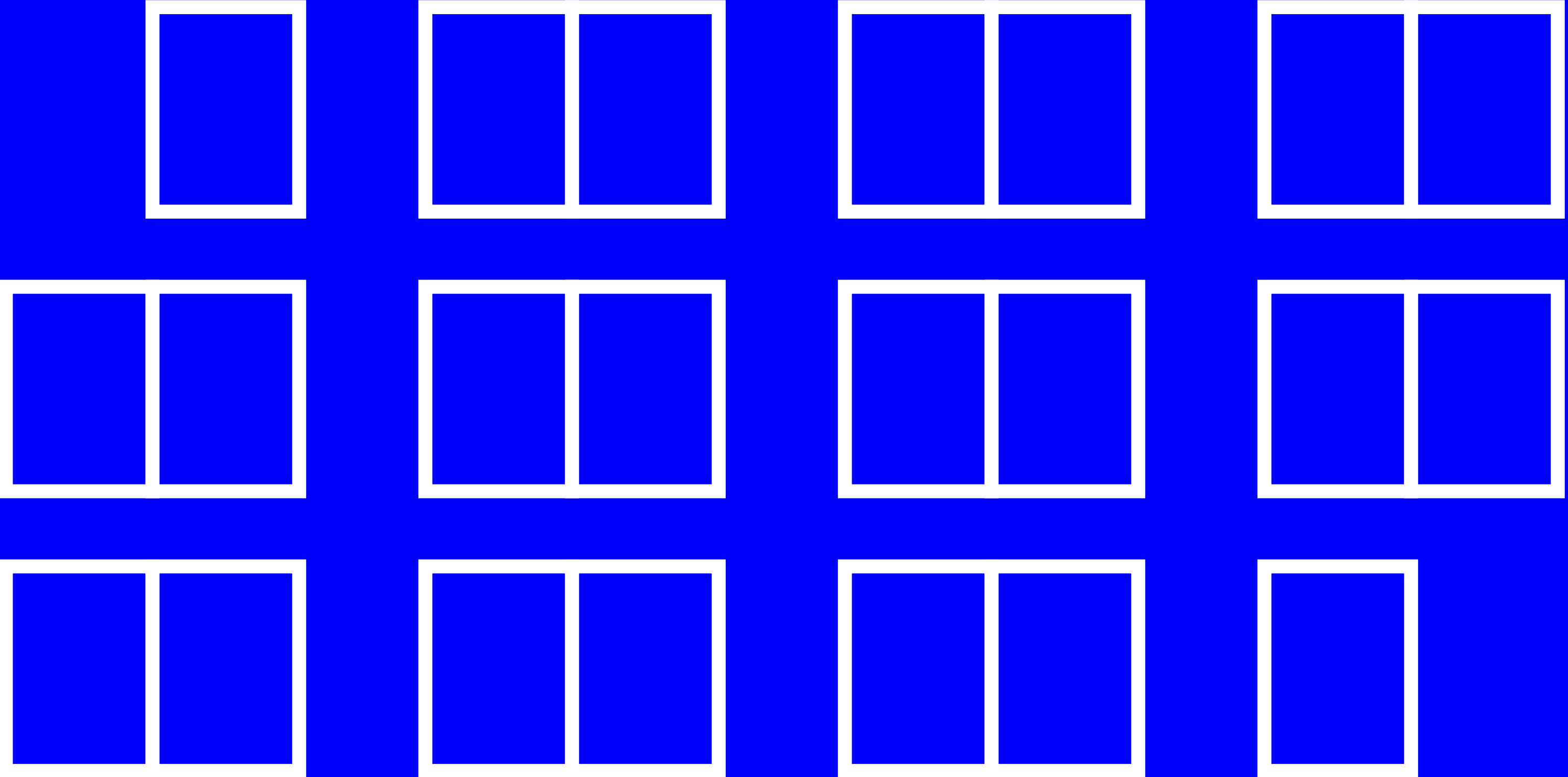
A book is a context independent device
with its own paradigms.

Books



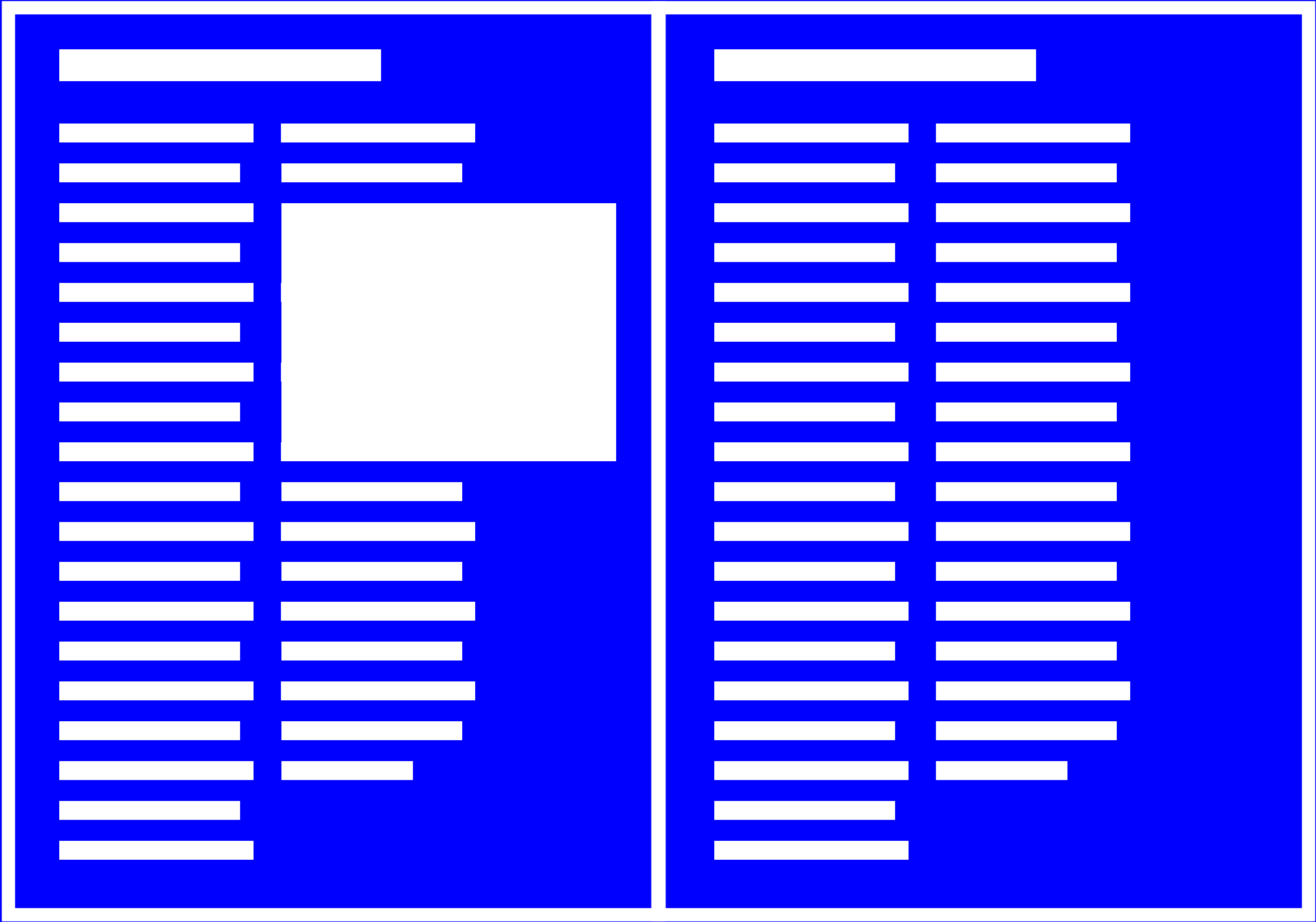
Static Space

Books



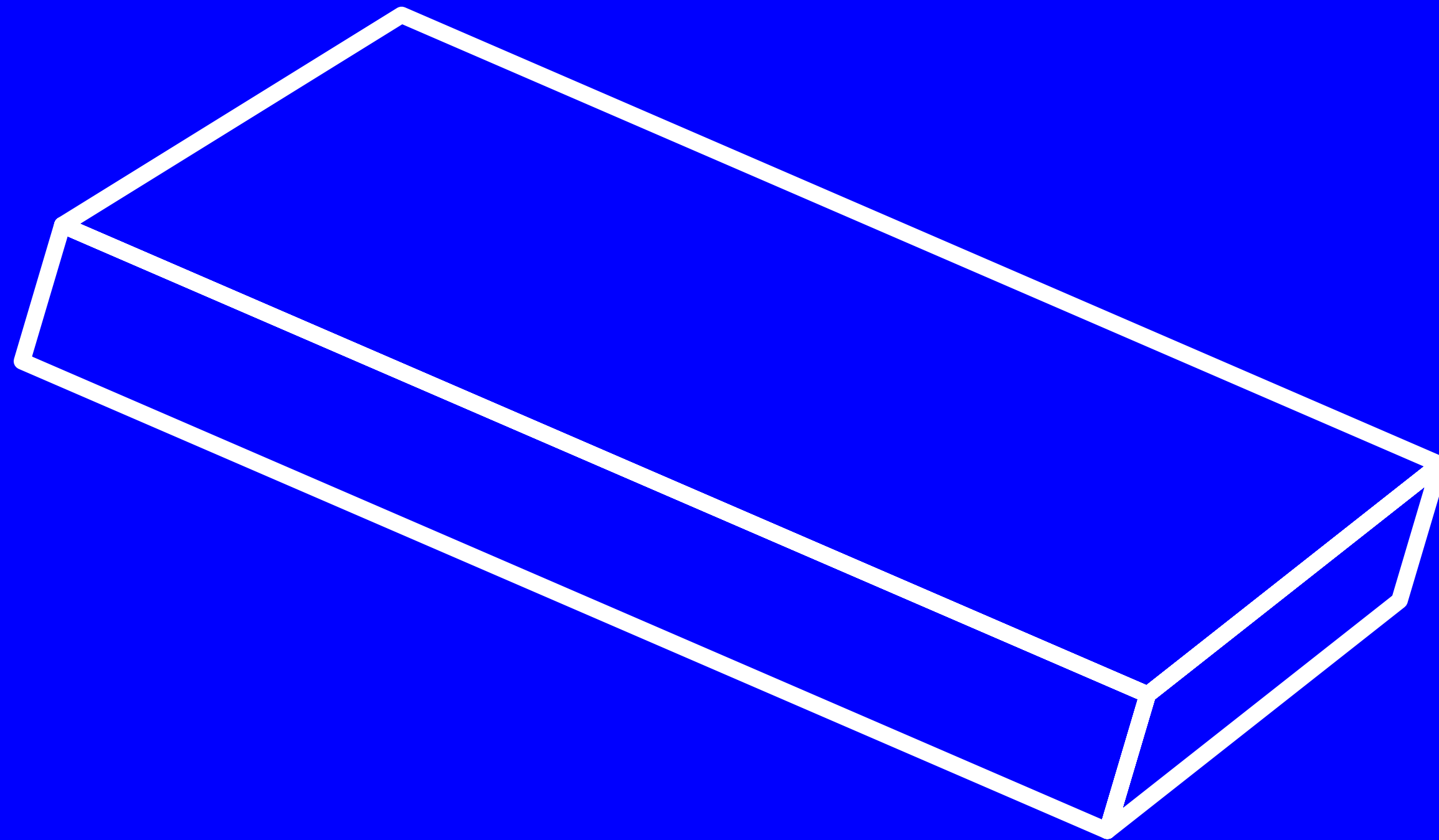
Sequence

Books



Maxium Control

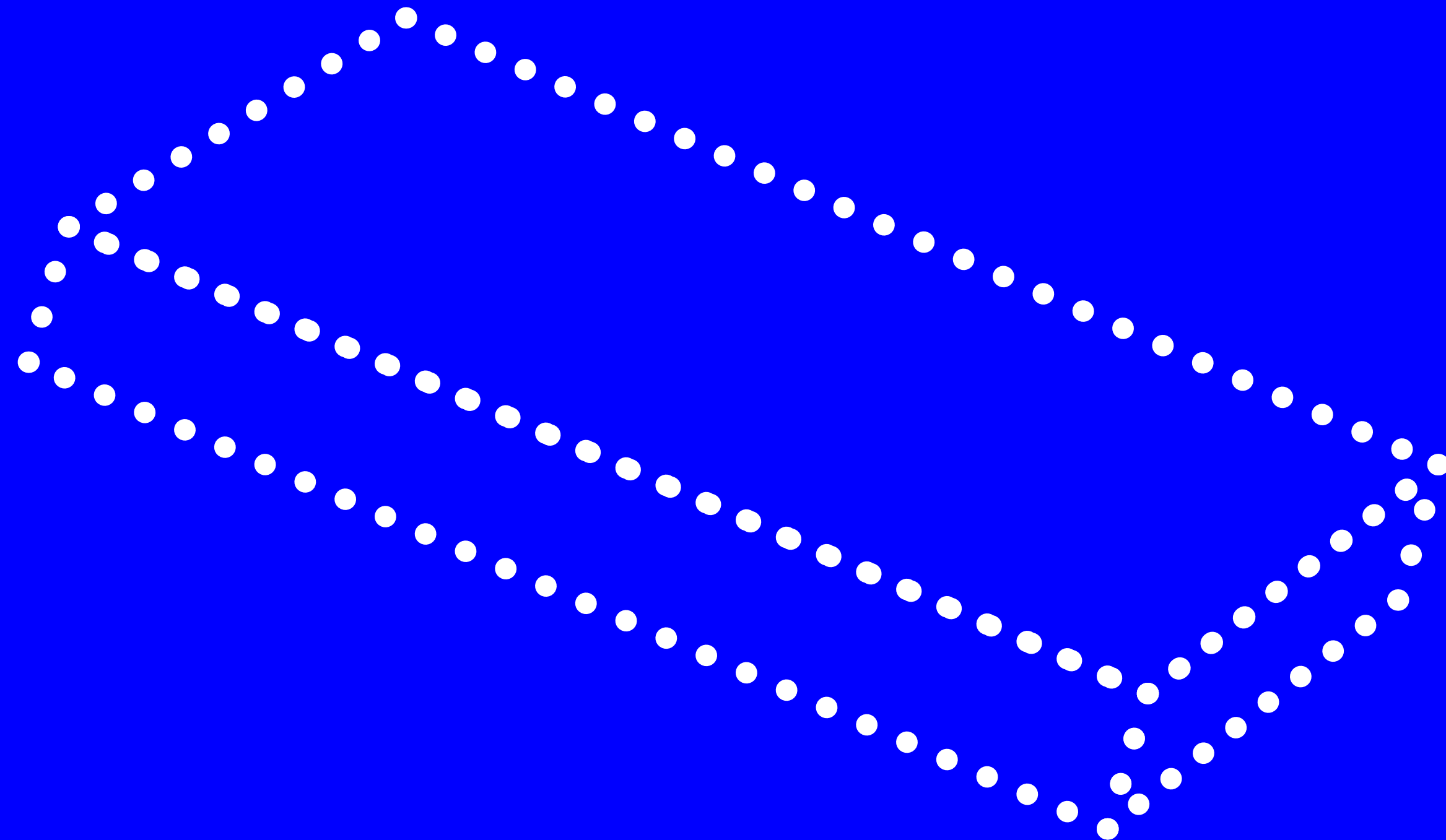
Books



Codex

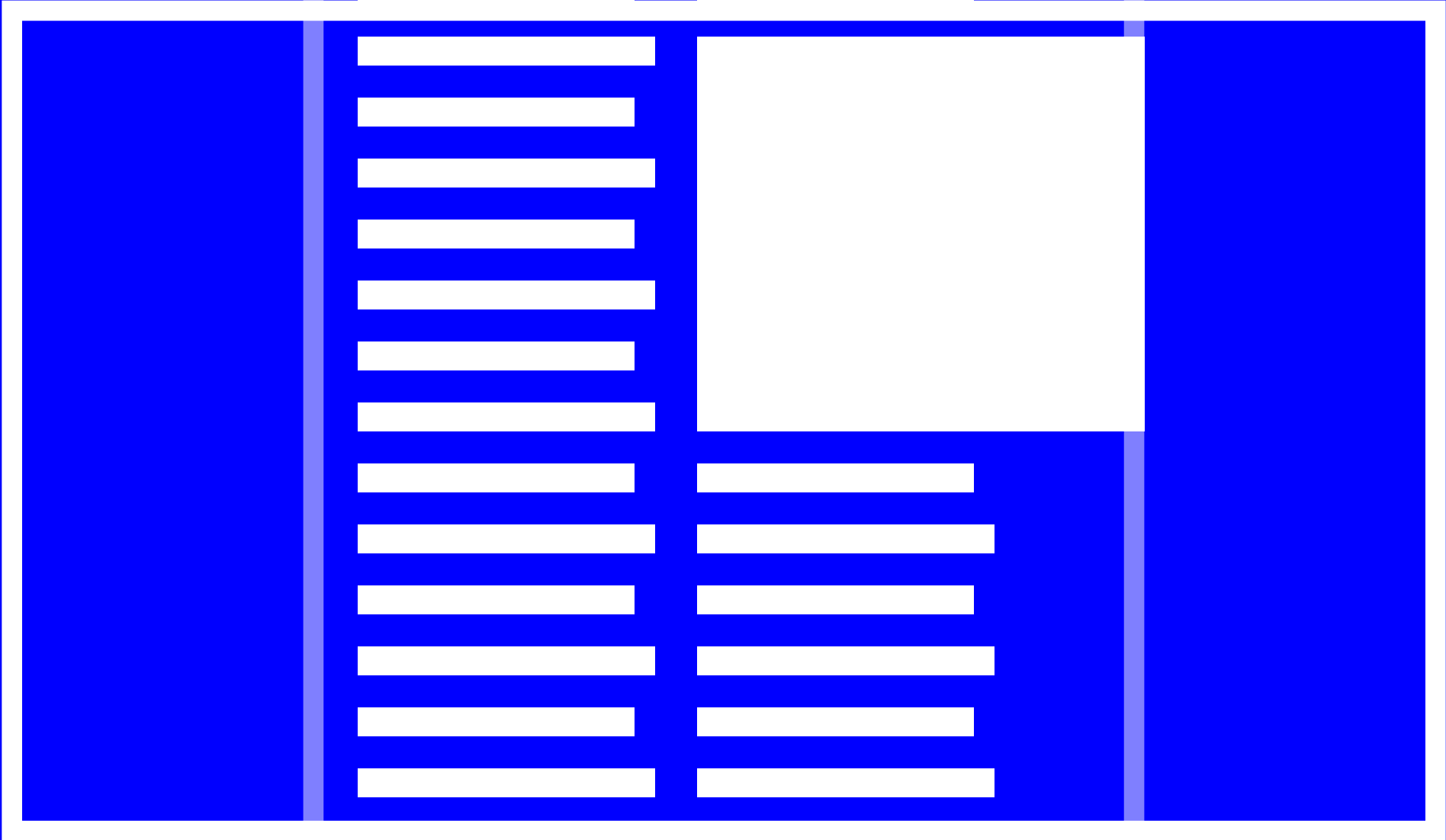
Screens

Screens



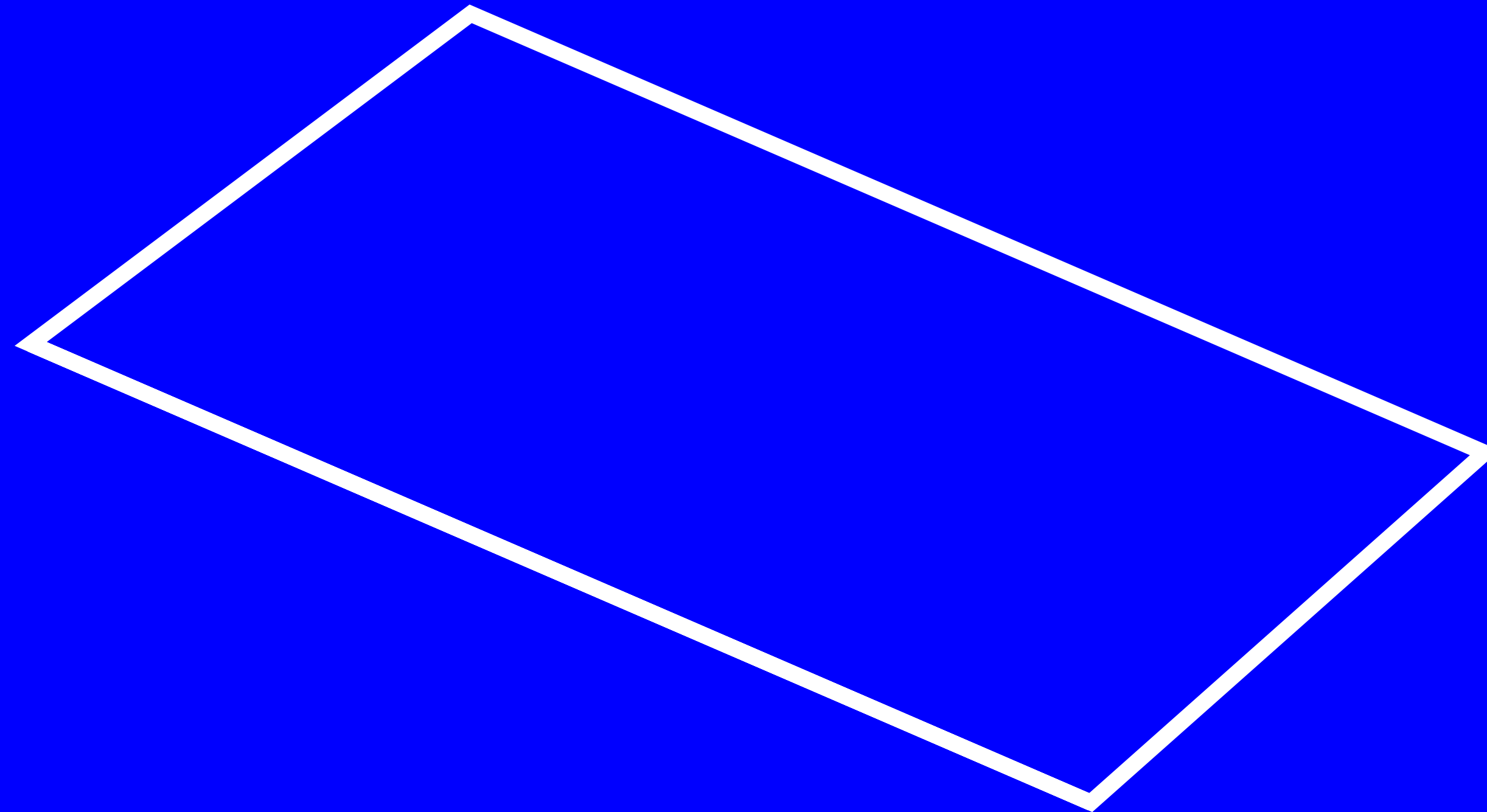
No Codex

Screens



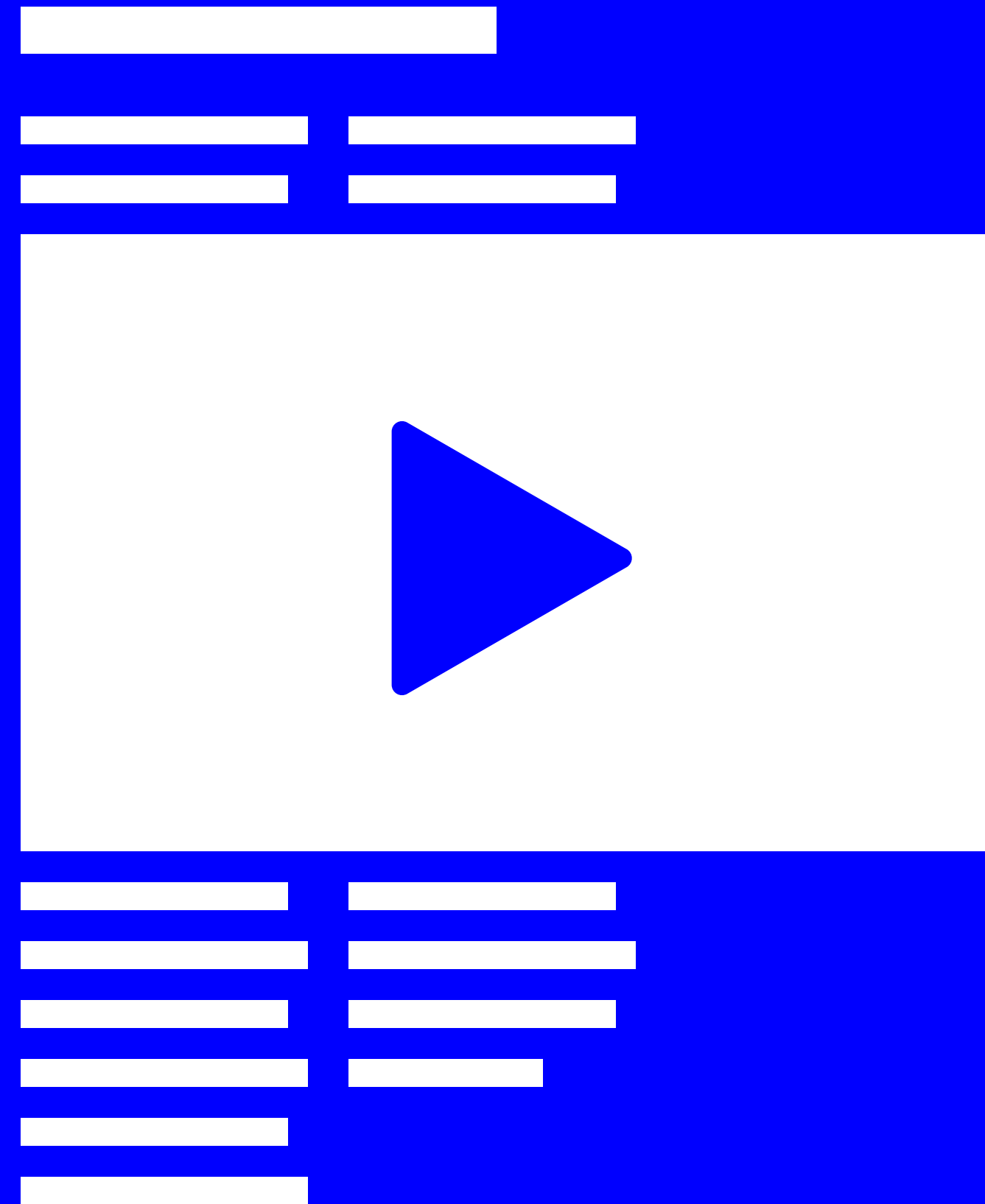
Infinite Content

Screens



Two Dimensions

Screens



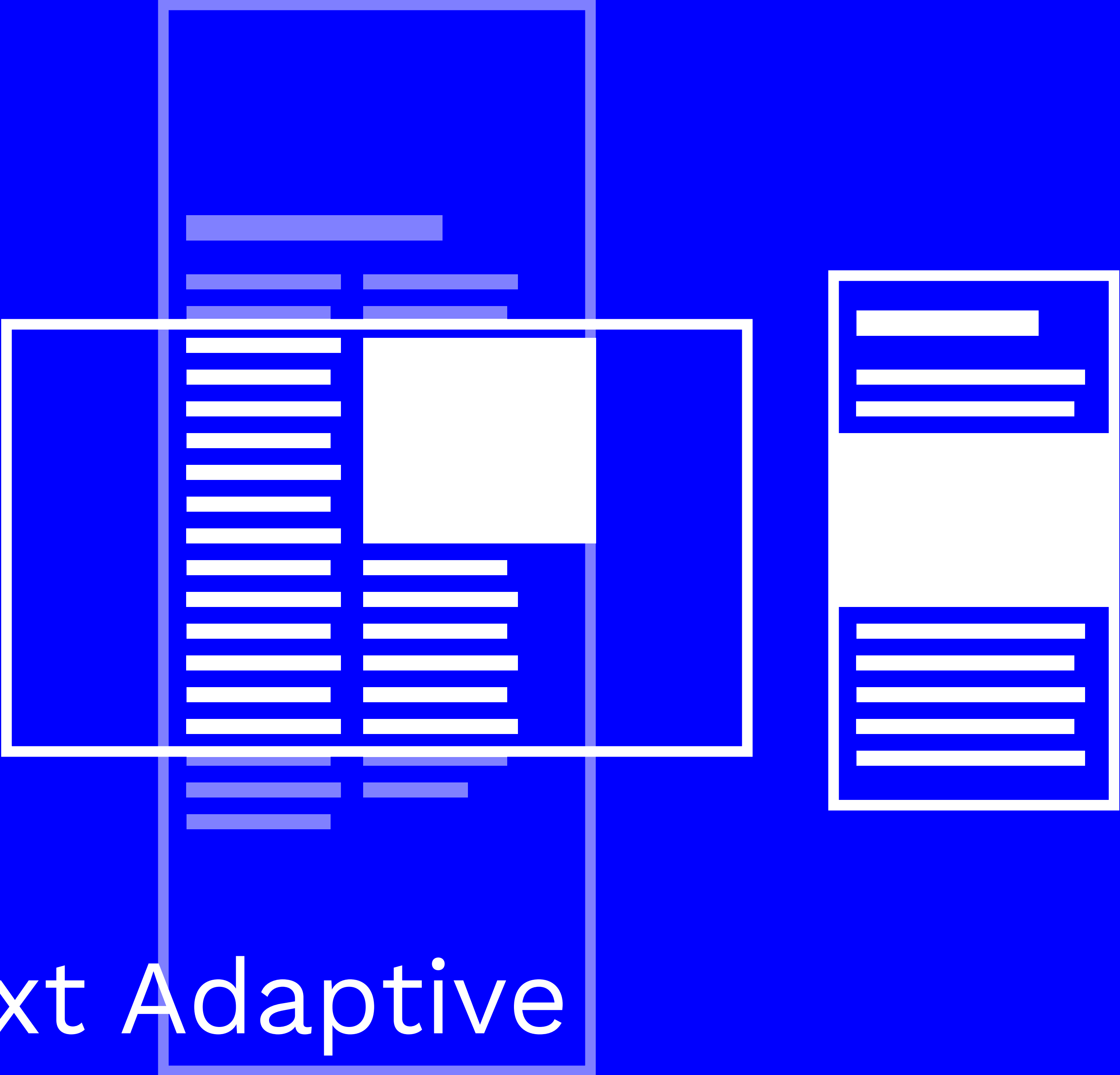
Dynamic Content

Screens

Chapter 1	Chapter 2	Chapter 3	Chapter 4

Structual Possibilities

Screens



Context Adaptive

Context

A screen can be highly context dependant (flux).

Context

Vox - Understand the News •

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TOP STORIES



State Department spokesperson Heather Nauert may be the next UN ambassador

Trump told reporters Thursday that she's "under serious consideration."

By Jen Kirby




WORLD

John Bolton just gave an “Axis of Evil” speech about Latin America

The US will now go after a so-called "Troika of Tyranny": Cuba, Venezuela, and Nicaragua.


By Alex Ward



CNN aired Trump rambling about immigrants for 27 minutes

In an echo of 2016, the president got to repeat falsehoods uninterrupted.

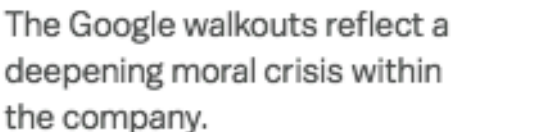
By Laura McGann



Steve King can't handle a question about his white supremacist rhetoric

Someone asked Steve King about his ideology at a forum. King called security.


By Zack Beauchamp



Why thousands of Google employees are protesting across the world

The Google walkouts reflect a deepening moral crisis within the company.

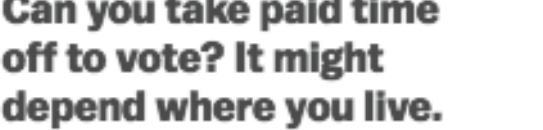
By Alexia Fernández Campbell



The caravan story shows how America's epistemic crisis is becoming a crisis of democracy

The far right's xenophobic fantasies now involve the actual US military.

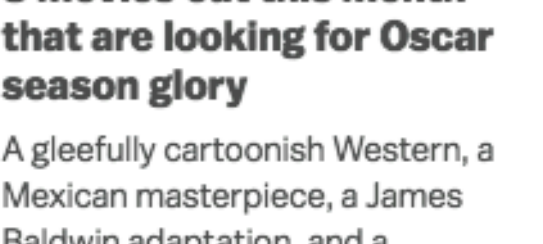
By David Roberts



Can you take paid time off to vote? It might depend where you live.

In more than 20 states, employers must allow time off to vote.

By Tim Ryan Williams



8 movies out this month that are looking for Oscar season glory

A gleefully cartoonish Western, a Mexican masterpiece, a James Baldwin adaptation, and a deliciously wicked palace intrigue are all on the docket for November.

By Alissa Wilkinson

9:46

🔒 vox.com

Vox


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TOP STORIES




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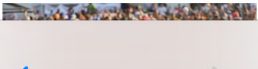
Steve King can't handle a question about his white supremacist rhetoric

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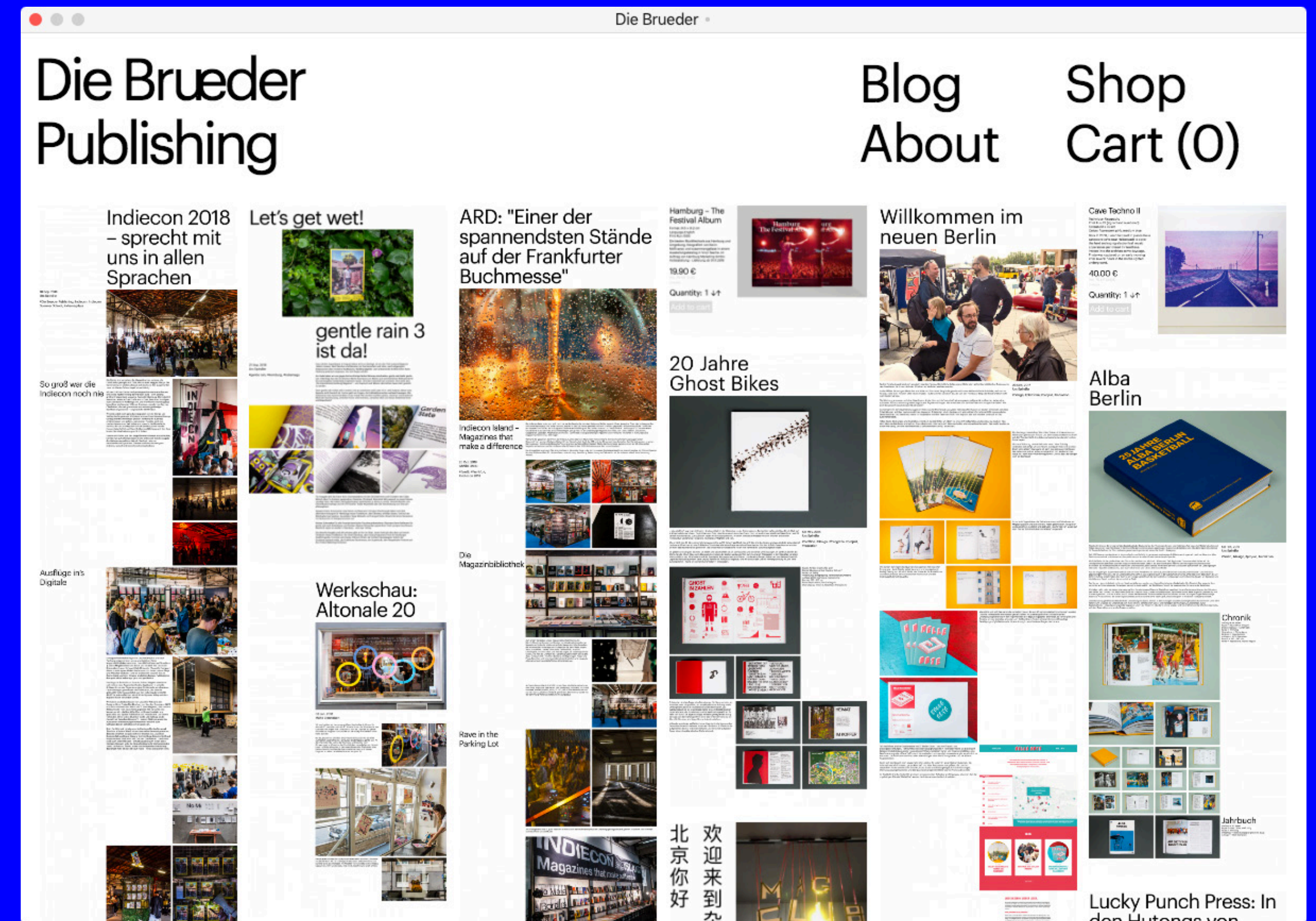
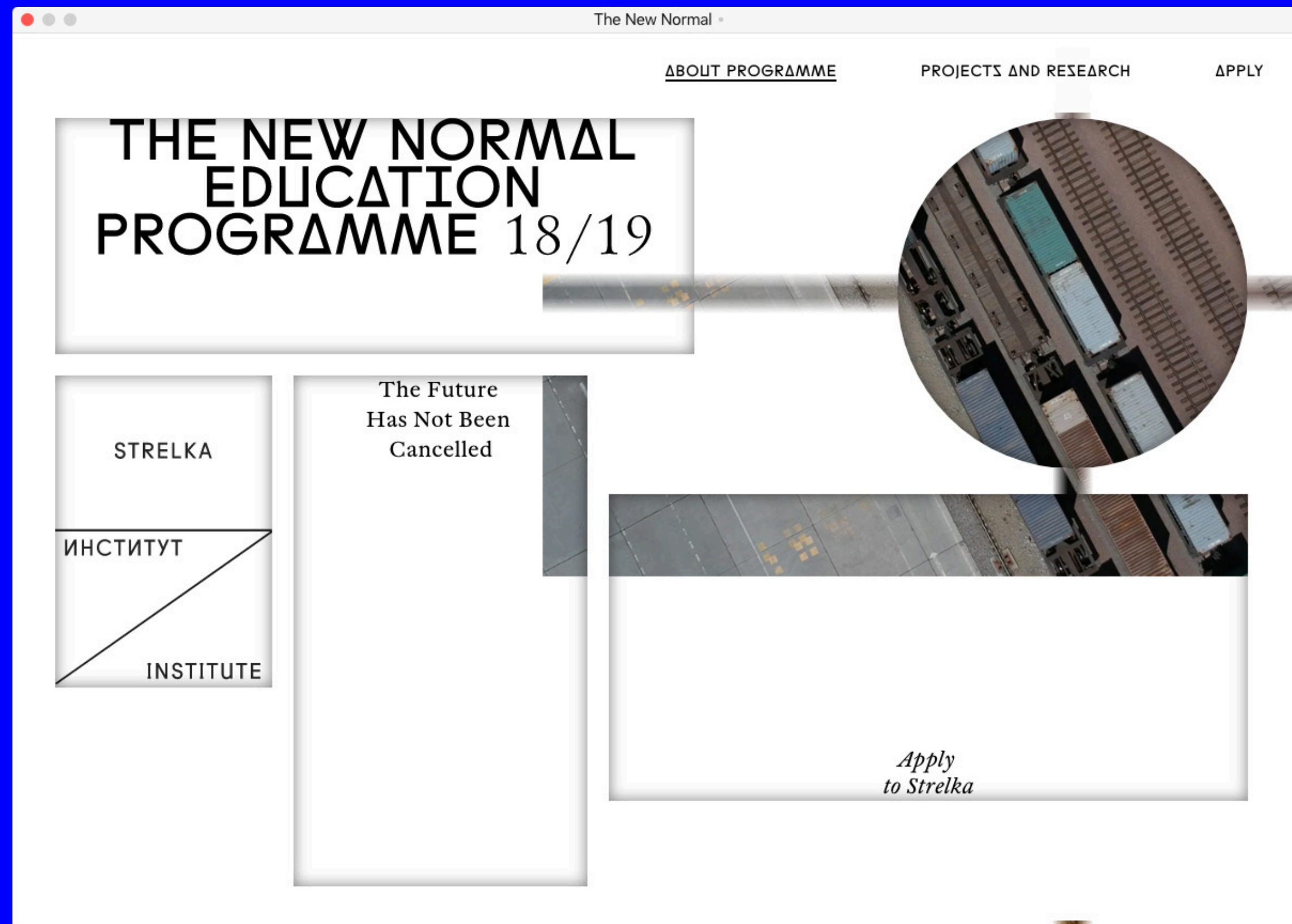


The caravan story shows how

Context

Desktop website: The delight of information

Context

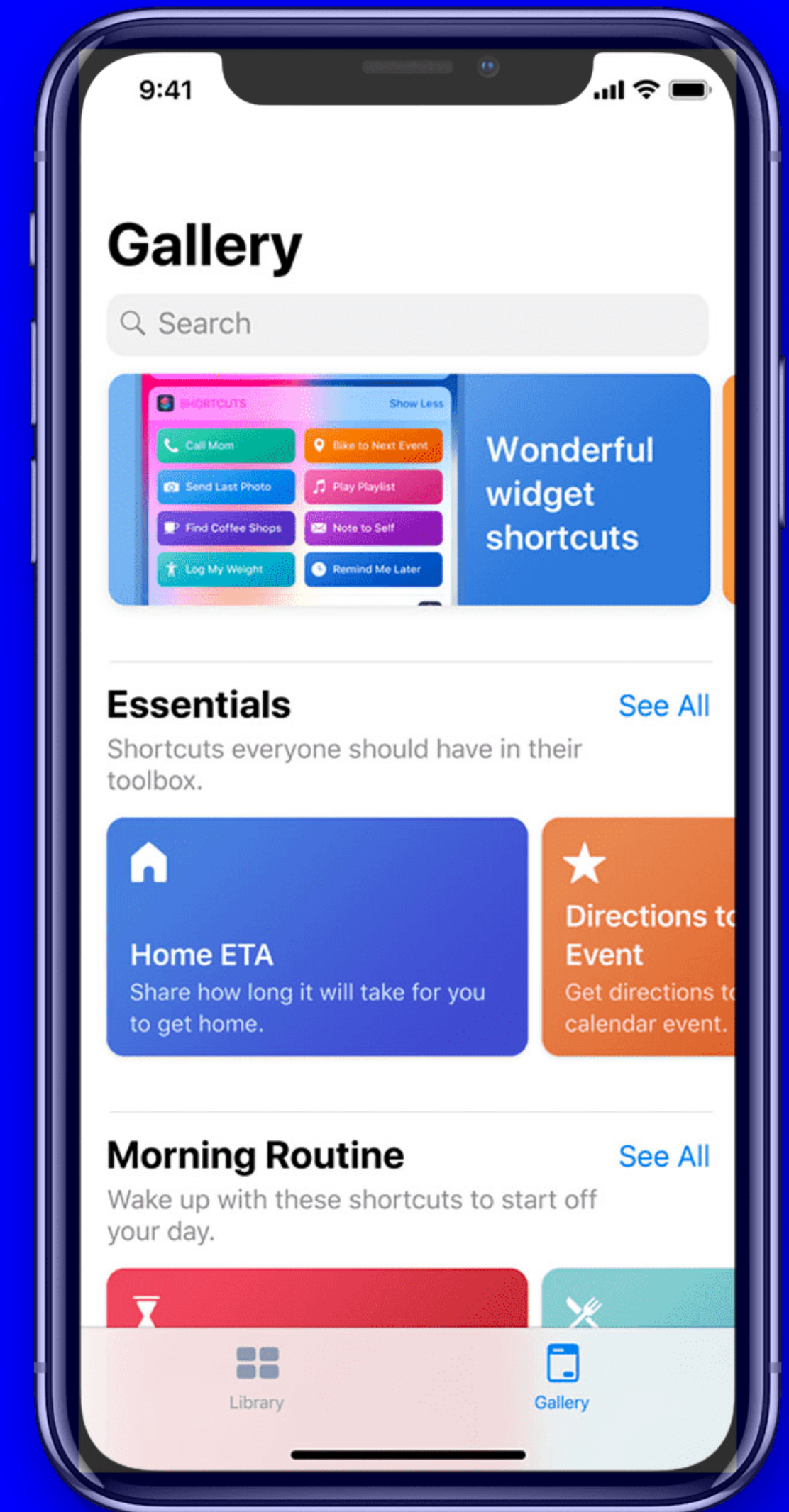


<https://thenewnormal.strelka.com>
<http://diebrueder.com>

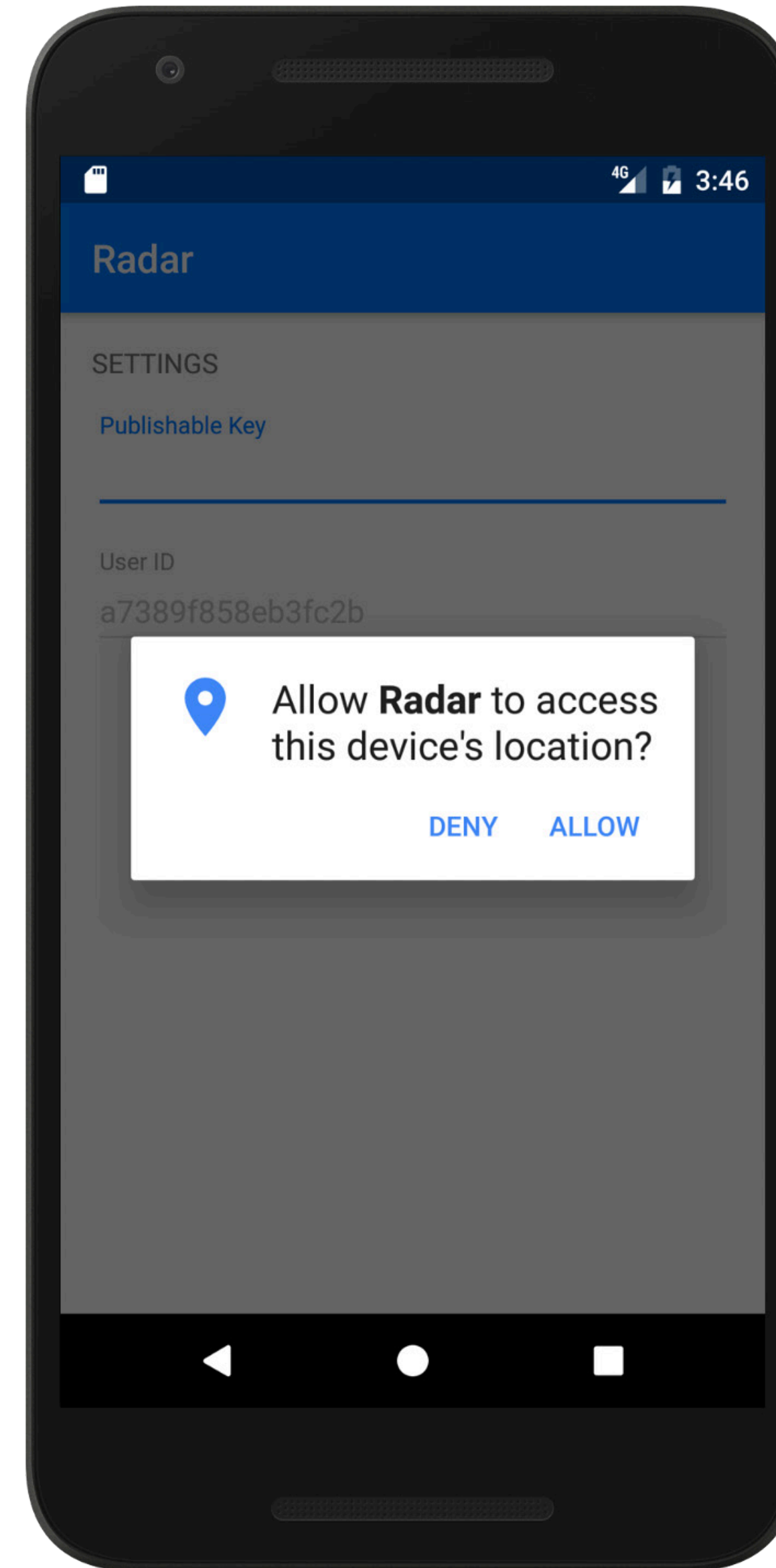
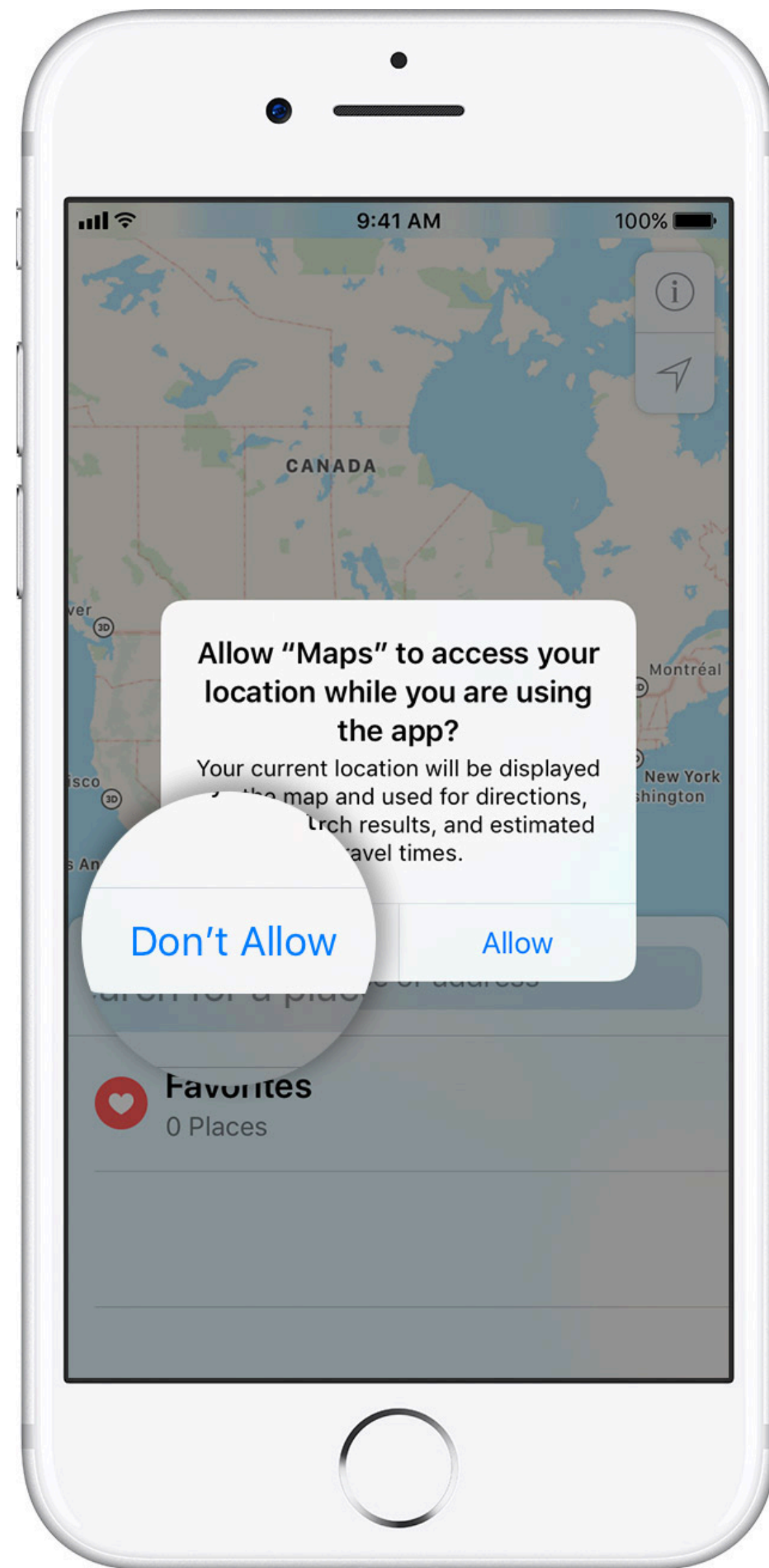
Context

Mobile interface: Expedient language

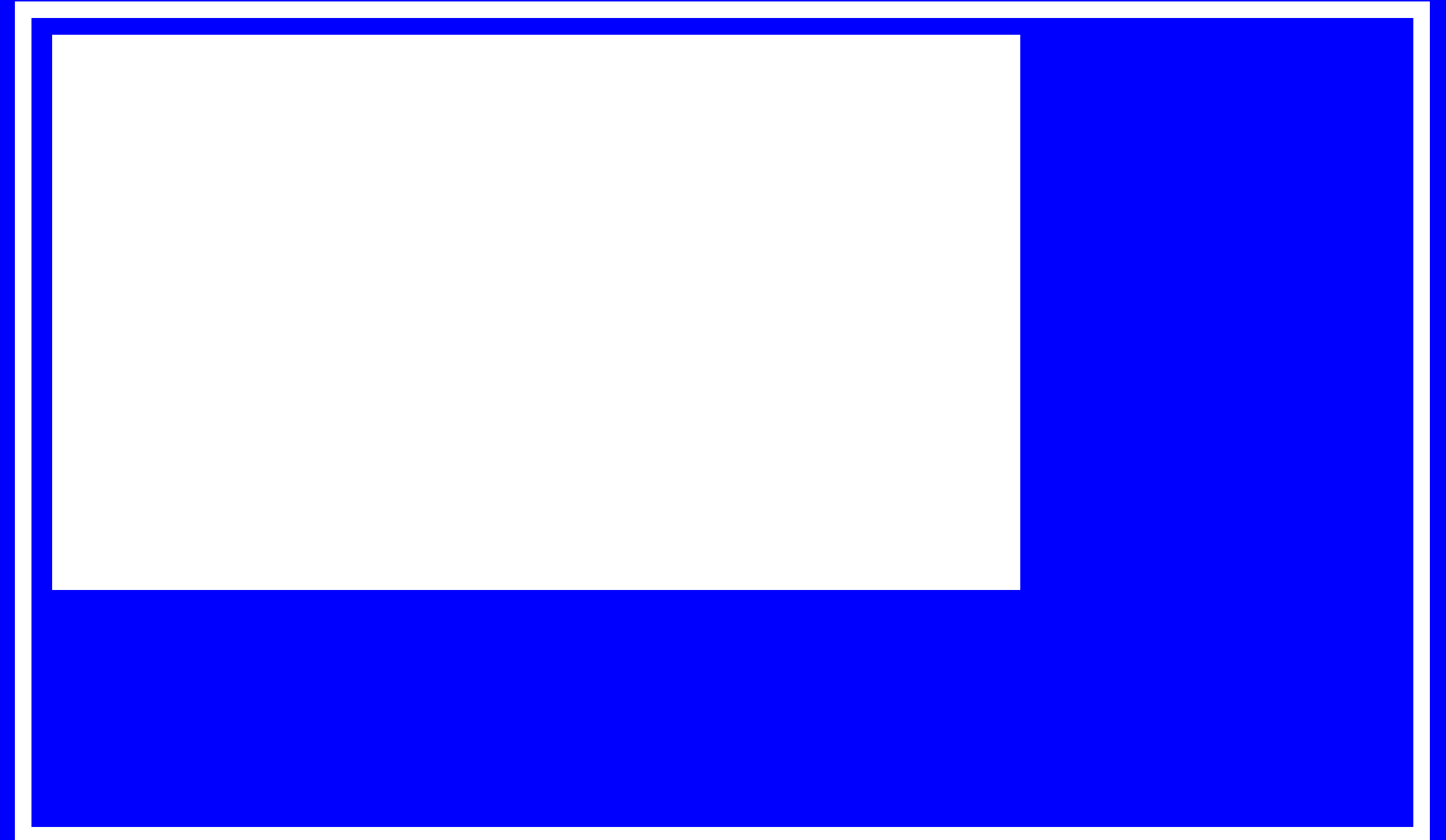
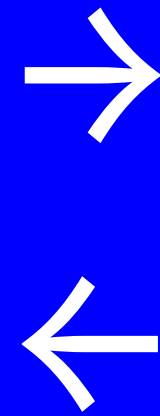
Context



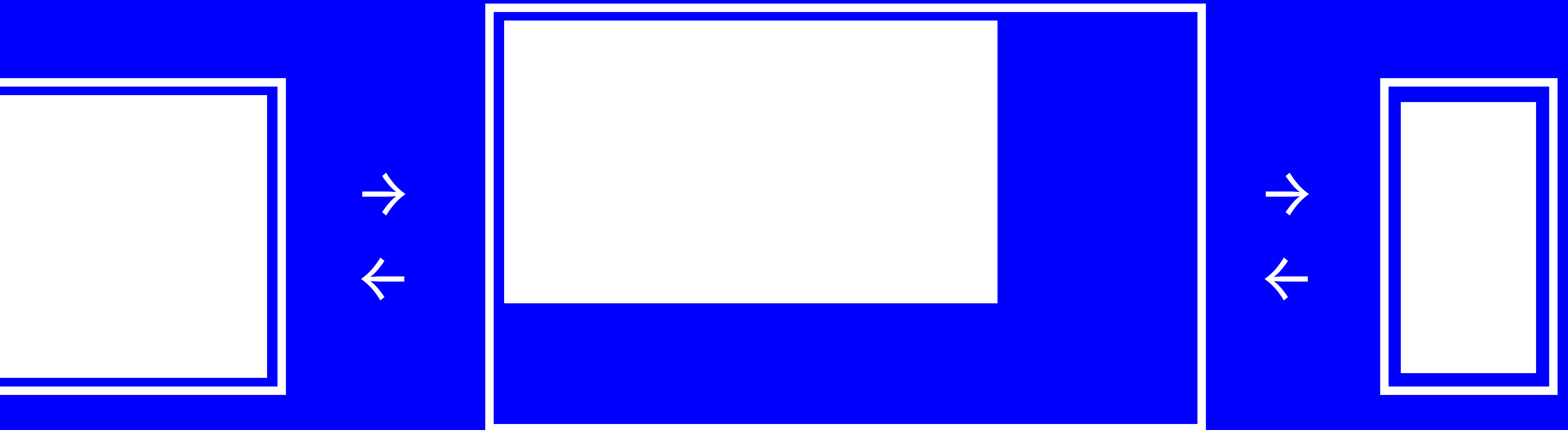
Context



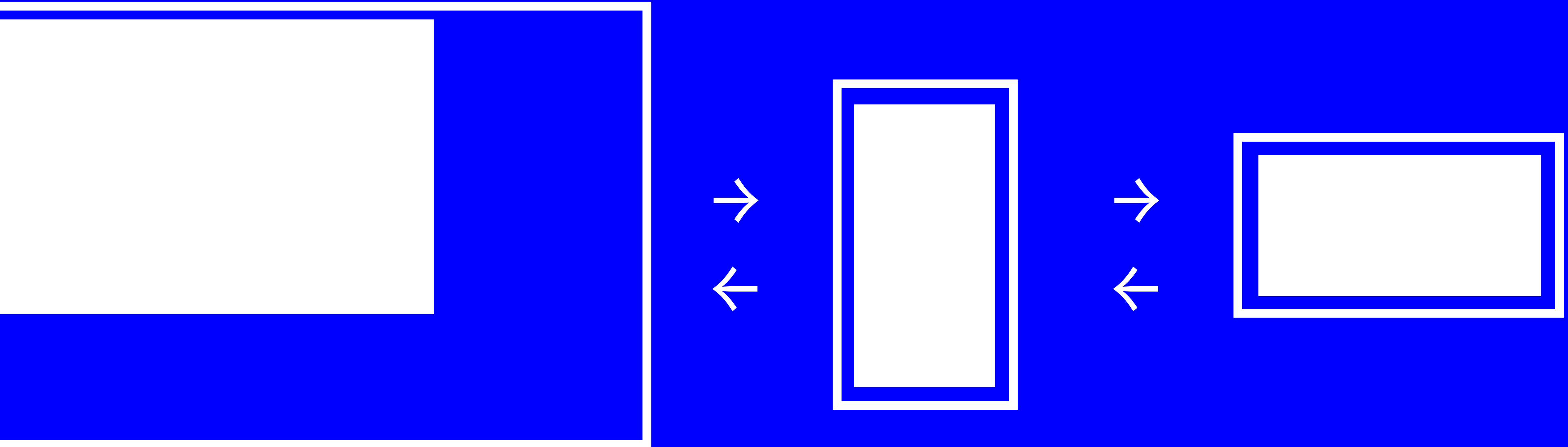
Coding for Context



Coding for Context



Coding for Context



Coding for Context

Absolute Units:

→ PX

Relative Units:

→ VW, VH

→ %

→ EM

→ REM

→ ...



Coding for Context

Some UX principles for smaller screens:

- Consider type size relative to screen size
- Cut out the clutter
- Design finger-friendly tap-targets
- Make interface elements clearly visible
- Minimize need for typing

Coding for Context

Media Queries

Allows content rendering to adapt to conditions such as screen resolution.

(e.g. Smartphone screen vs. Computer screen)

Coding for Context

```
@media (context) { rules }
```

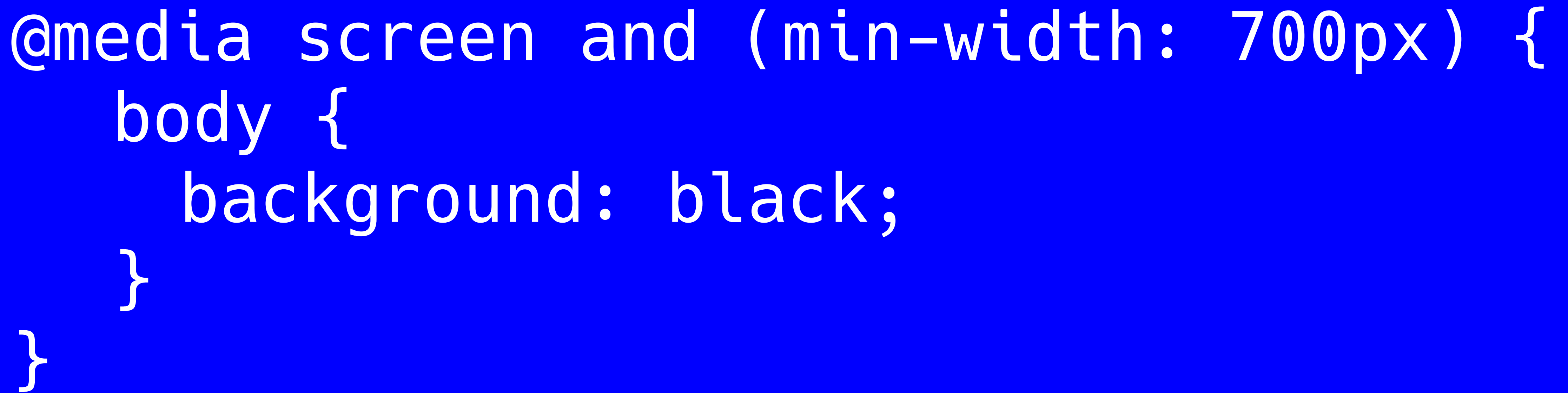
Coding for Context

```
body {  
    background: white;  
}
```

```
@media (min-width: 700px) {  
    body {  
        background: black;  
    }  
}
```

Coding for Context

```
@media screen and (min-width: 700px) {  
  body {  
    background: black;  
  }  
}
```



Nesting

Coding for Context

```
@media screen and (min-width: 700px) {  
  body {  
    background: black;  
  }  
  
  .sidebar {  
    width: 100%;  
    display: flex;  
  }  
}
```



Nesting

Coding for Context

min-width | max-width: pixel value

orientation: "portrait" | "landscape"

aspect-ratio, color, color-index, device-aspect-ratio, device-height, device-width, grid, height, max-aspect-ratio, max-color, max-color-index, max-device-aspect-ratio, max-device-height, max-device-width, max-height, max-monochrome, max-resolution, max-width, min-aspect-ratio, min-color, min-color-index, min-device-aspect-ratio, min-device-width, min-device-height, min-height, min-monochrome, min-resolution, min-width, monochrome, orientation, overflow-block, overflow-inline, resolution, scan, update-frequency, width

References

MDN Using Media Queries:

https://developer.mozilla.org/en-US/docs/Web/CSS/Media_Queries/Using_media_queries/

Media Queries for Standard Devices:

<https://css-tricks.com/snippets/css/media-queries-for-standard-devices/>

BrowserStack (For testing across multiple devices, virtually):

<https://www.browserstack.com/>

Device Mode in Chrome DevTools:

<https://developers.google.com/web/tools/chrome-devtools/device-mode/>

References

Responsive Design Mode in Safari:

Develop → Enter Responsive Design Mode

Apple's Human Interface Guidelines:

<https://developer.apple.com/design/human-interface-guidelines/ios/visual-design/adaptivity-and-layout/>

Responsive Typography:

<https://ia.net/topics/responsive-typography-the-basics>

Responsive Patterns:

<http://bradfrost.github.io/this-is-responsive/patterns.html>