

Styling `<details>`

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The pieces of the puzzle

<https://github.com/w3c/csswg-drafts/issues/9879>

Pieces of the puzzle

1. Allow general use of `display` on both `<details>` and `<summary>`
2. Specifying the styles that create the disclosure triangle
3. The `::details-content` pseudo element
4. The `transition-behavior` property
5. The `@starting-style` rule
6. The ability to transition to/from `auto` heights.

<https://github.com/w3c/csswg-drafts/issues/9879>

Pieces of the puzzle

1. Allow general use of `display` on both `<details>` and `<summary>`
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5. The `@starting-style` rule
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<https://github.com/w3c/csswg-drafts/issues/9879>



Exploring The Basics

<https://goo.gle/styling-details-exploration>



Changing the layout



With Flexbox

```
details {  
  display: flex;  
  flex-direction: column;  
  
  &::details-content {  
    display: block;  
  }  
  
  &[open] summary {  
    border-bottom: 2px solid black;  
  }  
}
```

<https://goo.gle/styling-details-exploration>


```
details {
  display: flex;
  flex-direction: column-reverse;

  &::details-content {
    display: block;
  }

  &[open] summary {
    border-top: 2px solid black;
  }
}
```

<https://goo.gle/styling-details-exploration>

```
details {
  display: flex;
  flex-direction: row;

  &::details-content {
    display: block;
  }

  summary {
    flex-shrink: 0;
    border-right: 2px solid black;
  }
}
```

<https://goo.gle/styling-details-exploration>

```
details {  
  display: flex;  
  flex-direction: row-reverse;  
  
  &::details-content {  
    display: block;  
  }  
  
  summary {  
    flex-shrink: 0;  
    border-left: 2px solid black;  
  }  
}
```

<https://goo.gle/styling-details-exploration>

▶ I am the summary

<https://goo.gle/styling-details-exploration>



With Grid

```
details {
  display: grid;
  grid-template:
    "summary" auto
    "contents" 1fr;

  &::details-content {
    grid-area: content;
  }

  summary {
    grid-area: summary;
  }

  &[open] summary {
    border-bottom: 2px solid black;
  }
}
```

<https://goo.gle/styling-details-exploration>

```
details {
  display: grid;
  grid-template:
    "contents" 1fr
    "summary" auto;

  &::details-content {
    grid-area: content;
  }

  summary {
    grid-area: summary;
  }

  &[open] summary {
    border-top: 2px solid black;
  }
}
```

<https://goo.gle/styling-details-exploration>

```
details {
  display: grid;
  grid-template:
    "summary contents" / max-content 1fr;

  &::details-content {
    grid-area: content;
  }

  summary {
    grid-area: summary;
    border-right: 2px solid black;
  }
}
```

<https://goo.gle/styling-details-exploration>


```
details {
  display: grid;
  grid-template:
    "contents summary" / 1fr max-content;

  &::details-content {
    grid-area: content;
  }

  summary {
    grid-area: summary;
    border-left: 2px solid black;
  }
}
```

<https://goo.gle/styling-details-exploration>



Adding Animation



Style and animate the pseudo

▶ I am the summary



<https://goo.gle/styling-details-exploration>

```
details {
  summary {
    border-bottom: 0px solid;
    transition: border 1s step-end;
  }

  &[open] summary {
    border-bottom: 2px solid;
    transition: border 1s step-start;
  }
}
```

<https://goo.gle/styling-details-exploration>

```
details {
  &::details-content {
    transition: all 1s ease,
              content-visibility 1s step-end allow-discrete;
    padding: 0 1rem;
    height: 0;
  }

  &[open]::details-content {
    transition: all 1s ease,
              content-visibility 1s step-start allow-discrete;
    padding: 1rem;
    height: 160px; /* TBD: auto */
  }
}
```

<https://goo.gle/styling-details-exploration>



Style and animate a wrapper div

▶ I am the summary



<https://goo.gle/styling-details-exploration>


```
details {
  summary {
    border-bottom: 0px solid;
    transition: border 1s step-end;
  }

  &[open] summary {
    border-bottom: 2px solid;
    transition: border 1s step-start;
  }
}
```

<https://goo.gle/styling-details-exploration>

```
details {
  &::details-content {
    content-visibility: visible;
  }

  summary + div {
    transition: all 1s ease, padding 1s step-end;
    padding: 0;
    height: 0;
  }

  &[open] summary + div {
    transition: all 1s ease, padding 1s step-start;
    padding: 1rem;
    height: 160px; /* TBD: auto */
  }
}
```

<https://goo.gle/styling-details-exploration>



**Style the div,
animate the pseudo**

▶ I am the summary 

<https://goo.gle/styling-details-exploration>

```
details {
  summary + div {
    margin-trim: block;
    padding: 1rem;
    border-top: 2px solid black;
  }

  &::details-content {
    display: block;
    transition: all 1s ease,
               content-visibility 1s step-end allow-discrete;
    height: 0;
  }

  &[open]::details-content {
    transition: all 1s ease,
               content-visibility 1s step-start allow-discrete;
    height: 160px; /* TBD: auto */
  }
}
```

<https://goo.gle/styling-details-exploration>

Practical Demos

<https://goo.gle/styling-details-demos>

Demo 1

UIKit Accordion

<https://goo.gle/styling-details-demo1>

Item 1

-

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Item 2

+

Item 3

+

<https://goo.gle/styling-details-demo1>


```
.details-content-wrapper {  
  padding: 1rem 0.5rem;  
  margin-trim: block;  
}
```

<https://goo.gle/styling-details-demo1>

```
::details-content {
  display: block;

  transition: all 0.5s ease,
             content-visibility 0.5s step-end allow-discrete;
  height: 0;
  overflow: clip;
}

[open]::details-content {
  transition: all 0.5s ease,
             content-visibility 0.5s step-start allow-discrete;
  height: 150px; /* TBD: auto */
}
```

<https://goo.gle/styling-details-demo1>

Demo 2

Material UI Accordion

<https://goo.gle/styling-details-demo2>

Item 1



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Item 2



Item 3



<https://goo.gle/styling-details-demo2>

```
summary {  
  transition: all 0.5s ease;  
  padding: 0.5em 1em;  
}  
  
[open] summary {  
  padding: 1em 1em;  
}
```

<https://goo.gle/styling-details-demo2>

```
details {
  transition: all 0.5s ease;
  background: white;
}

/* Add gap around open details */
details[open]:not(:first-child) {
  margin-top: 0.5rem;
}
details[open]:not(:last-child) {
  margin-bottom: 0.5rem;
}

/* Add border to all details; prevent double border when two successive
details are collapsed */
details {
  border: 1px solid #ccc;
}
details:not([open]):has(+ details:not(details[open])) {
  border-bottom-color: #fff;
}

https://goo.gle/styling-details-demo2
```

```
::details-content {
  display: block;

  transition: all 0.5s ease,
             content-visibility 0.5s step-end allow-discrete;
  height: 0;
  overflow: clip;
}

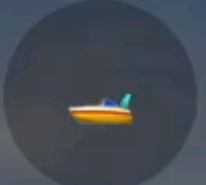
[open]::details-content {
  transition: all 0.5s ease,
             content-visibility 0.5s step-start allow-discrete;
  height: 150px; /* TBD: auto */
}
```

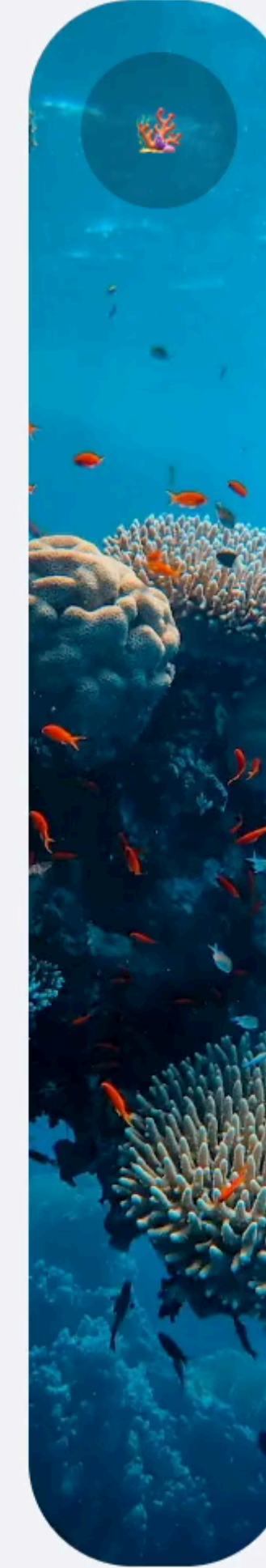
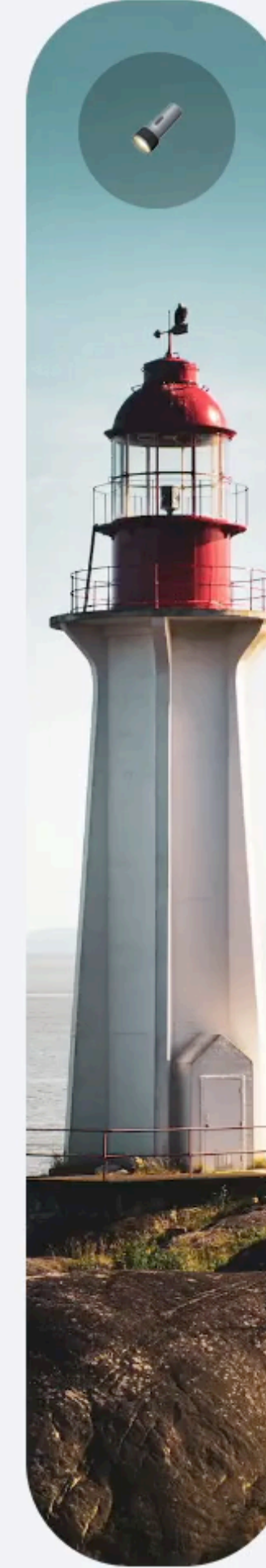
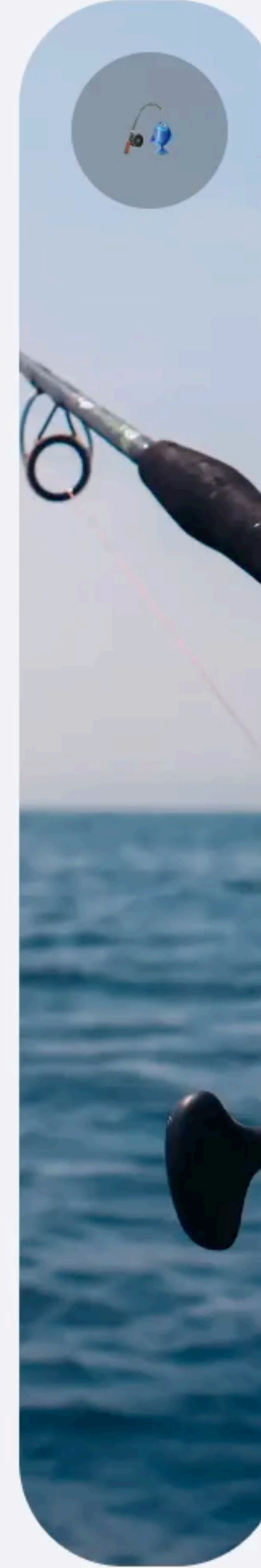
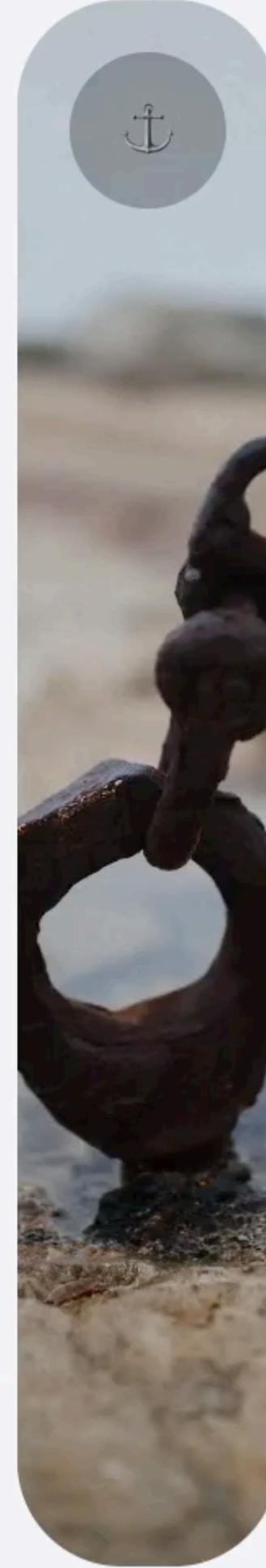
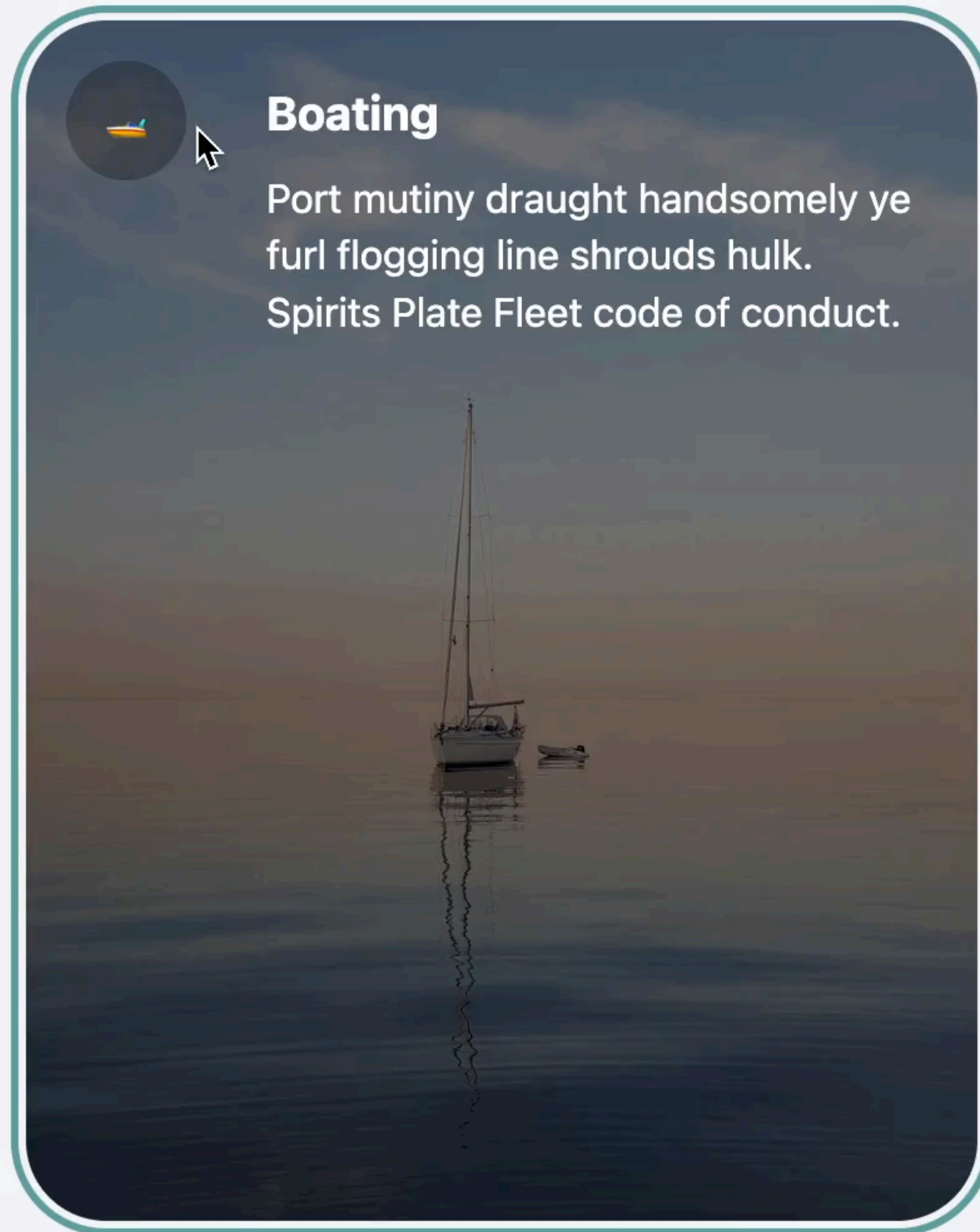
<https://goo.gle/styling-details-demo2>

Demo 3

Horizontal Accordion

<https://goo.gle/styling-details-demo3>

 **Boating**
Port mutiny draught handsomely ye
furl flogging line shrouds hulk.
Spirits Plate Fleet code of conduct.



<https://goo.gle/styling-details-demo3>

```
.accordion-wrapper {  
  display: flex;  
  flex-direction: row;  
  gap: 1rem;  
}
```

<https://goo.gle/styling-details-demo3>

```
details {
  display: flex;
  flex-direction: row;
  height: 30rem;

  ::marker {
    content: '';
  }

  summary {
    padding: 1rem 1em;
    width: 5rem;
    flex-shrink: 0;
  }

  .details-content-wrapper {
    padding: 1.5rem 1em;
    width: 300px; /* Prevent content wrap/unwrap while animating */
  }
}
```

<https://goo.gle/styling-details-demo3>

```
/* Animate-in the text when open */
.details-content-wrapper p {
  transform: translateY(2rem);
  opacity: 0;
  transition: all 0.5s ease;
  transition-delay: 0.5s;

  [open] & {
    transform: none;
    opacity: 1;
    transition-delay: 0.5s;
  }
}
```

<https://goo.gle/styling-details-demo3>

```
::details-content {
  display: block;

  transition: all 0.5s ease,
             content-visibility 0.5s step-end allow-discrete;
  width: 0;
  overflow: clip;
}

[open]::details-content {
  transition: all 0.5s ease,
             content-visibility 0.5s step-start allow-discrete;
  width: 300px;
}
```

<https://goo.gle/styling-details-demo3>

Demo 4

Half opened disclosure widget

<https://goo.gle/styling-details-demo4>

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[Read More](#)

<https://goo.gle/styling-details-demo4>

```
summary .label[data-show-when="closed"] {  
  display: block;  
  [open] & {  
    display: none;  
  }  
}
```

```
summary .label[data-show-when="open"] {  
  display: none;  
  [open] & {  
    display: block;  
  }  
}
```



```
::details-content {  
  display: block;  
  content-visibility: visible; /* Always visible */  
  
  transition: all 0.5s ease;  
  height: 150px;  
  overflow: clip;  
}  
  
[open]::details-content {  
  height: 340px; /* TBD: auto */  
}
```

<https://goo.gle/styling-details-demo4>

