Special Topics: Interactive Elements

Reveal Content

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Animating A Line

Create a line with no initial width:

```
.line {
    width: Opx;
    height: 1px;
    background: white; }
```

Line expands to 200px linearly in 0.25s when hovering over element .button

```
.button:hover .line {
    width: 200px;
    transition: all 0.25s; }
```

Underline animations are line animations underneath text/buttons that activate when hovering over text/buttons:

```
<div class=button>
   Hello World 
     <div class=line></div>
</div>
```

.button is the entire active area of the text and line. Hovering over this area will reveal the line.

If we redefine the hover as:

```
.button:hover > .line {
    width: 200px;
    transition: all 0.25s; }
```

Then we can have multiple .button elements, where each reveals their respective line on hover:

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Overflow

Overflow is a CSS property that defines how overflowed content (content outside div bounds) should be handled.

Overflowed content is visible outside container (default).

```
overflow: visible;
```

Overflowed content does not display.

```
overflow: hidden;
```

Overflowed content does not display, but a scroll wheel appears to the side to allow scrolling.

```
overflow: scroll;
```

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We can hide content outside div and expand the div to show hidden content on event.

```
.hidden {
    overflow: hidden;
    width: 100%;
    height: 100px; } /* show a little content */

.hidden:hover {
    height: unset; }
```

Unset returns height to its default value, which is 'auto'.

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Will this work?

```
.hidden {
    overflow: hidden;
    width: 100%;
    height: 100px; } /* show a little content */

.hidden:hover {
    height: unset;
    transition: all 0.5s; }
```

No. Compiler doesn't know numerical value of 'auto'.

Min & Max Height

Sets height to 'auto' or 100px, whichever is greater:

```
min-height: 100px;
```

Sets height to 'auto' or 100px, whichever is less:

```
max-height: 100px;
```

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We can instead specify a min & max height and animate over that:

```
.hidden {
    overflow: hidden;
    width: 100%;
    max-height: 100px; }

.hidden:hover {
    max-height: 500px;
    transition: all 0.5s; }
```

Animation speed: (500px - 100px) / 0.5s = 800px/s, despite container being less than 500px high.

Issue: we need to pick an appropriate max-height:

- Pick to small, and not all our content is shown.
- Pick to large, and animation speed is high that we don't even notice it.

Live Demo

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