Patryk Nawolski

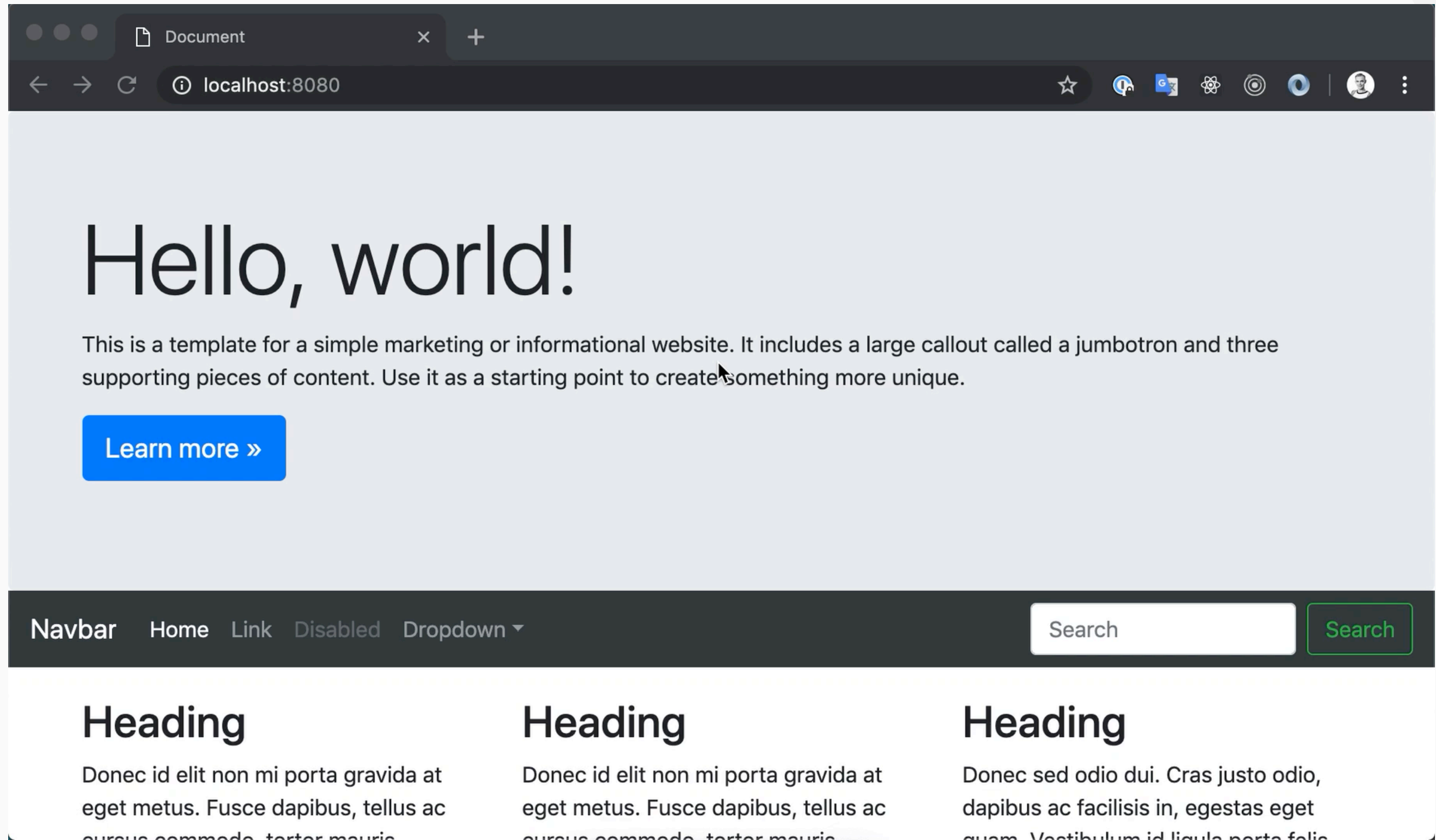## Team Leader & Frontend Developer

patryk.nawolski@netguru.com
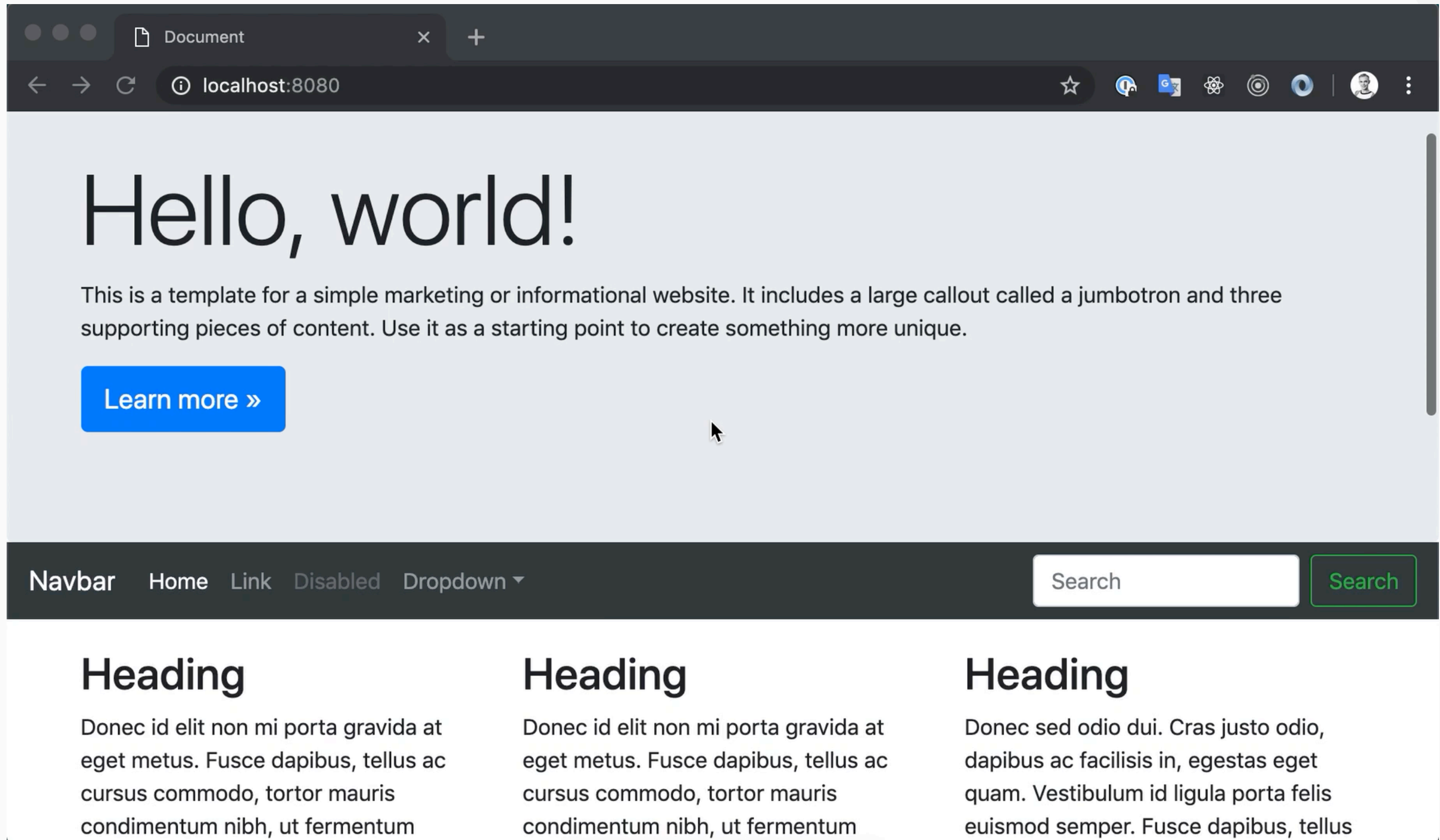
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Rzeczy, które robisz w JS, które możesz zrobić w CSS

position: sticky

Hello, world!

This is a template for a simple marketing or informational website. It includes a large callout called a jumbotron and three supporting pieces of content. Use it as a starting point to create something more unique.

Learn more »

| Navbar | Home | Link | Disabled | Dropdown ▾ | | Search | **Search** |

Heading

Donec id elit non mi porta gravida at eget metus. Fusce dapibus, tellus ac cursus commodo, tortor mauris

Heading

Donec id elit non mi porta gravida at eget metus. Fusce dapibus, tellus ac cursus commodo, tortor mauris

Heading

Donec sed odio dui. Cras justo odio, dapibus ac facilisis in, egestas eget quam. Vestibulum id ligula porta felis

position: sticky

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position: sticky

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Kod sprawiający, że nawigacja jest "*sticky*"

```javascript
var navbar = document.getElementById("navbar");

var sticky = navbar.offsetTop;

window.onscroll = function() {
  if (window.pageYOffset >= sticky) {
    navbar.classList.add("sticky")
  } else {
    navbar.classList.remove("sticky");
  }
};
```

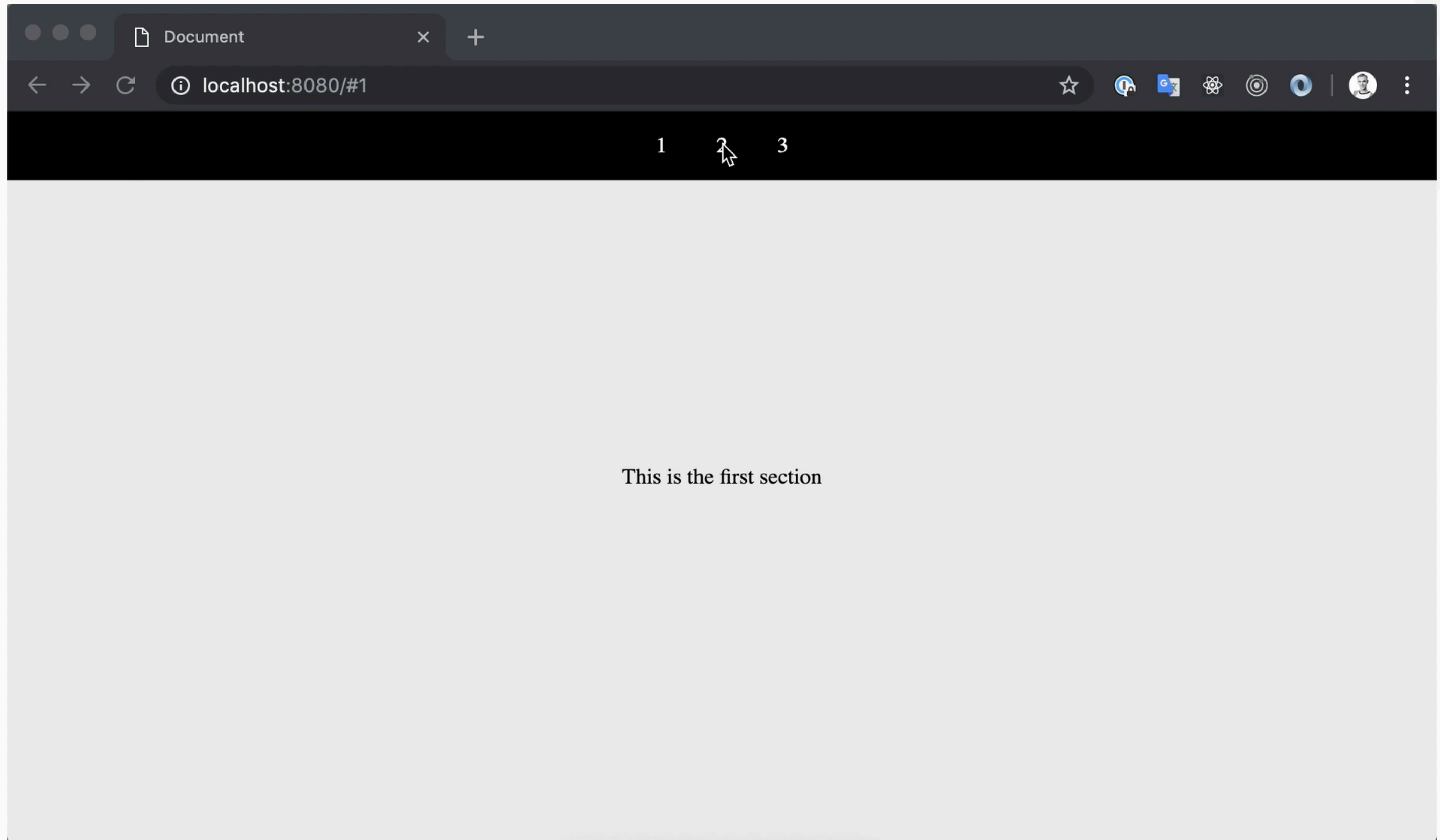vs

```css
#navbar {
  position: sticky;
  top: 0;
}
```

position: sticky

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scroll-behavior

1   2   3

This is the first section

scroll-behavior

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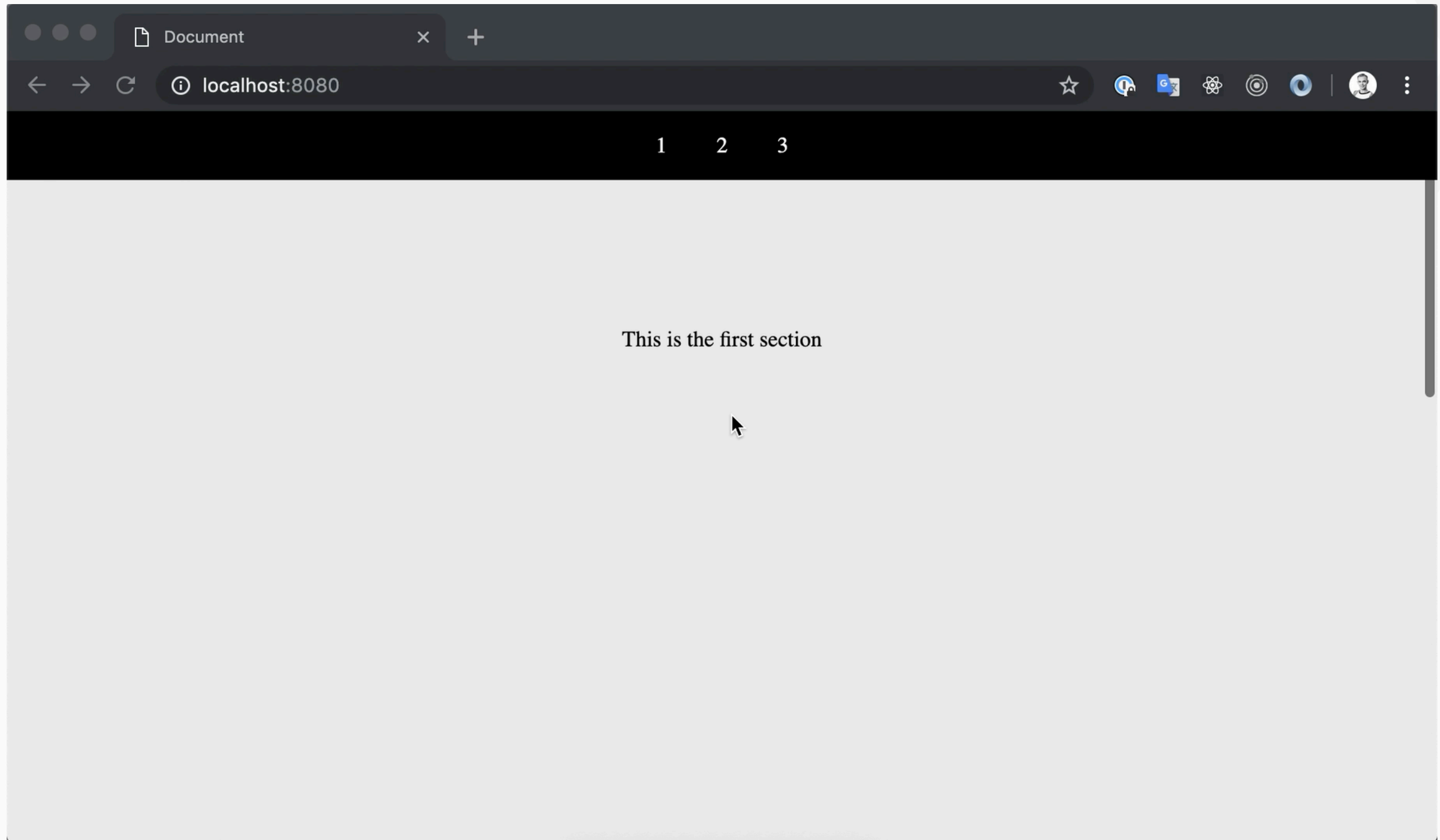
- scroll-behavior: auto;
- scroll-behavior: smooth;

scroll-behavior

Kod powodujący "*smooth-scrolling*" po kliknięciu w tag <a> z atrybutem href="#foo"

```javascript
$('a').on('click', function(event) {
  if (this.hash === '') return;

  event.preventDefault();

  const hash = this.hash;

  $('html, body').animate({
    scrollTop: $(hash).offset().top
  }, 800, function () {
    window.location.hash = hash;
  });
});
```

vs

```css
body {
  scroll-behavior: smooth;
}
```

+ jQuery

scroll-behaviour

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overscroll-behavior

overscroll-behaviour

- overscroll-behavior: auto;

- overscroll-behavior: contain;

- overscroll-behavior: none;

overscroll-behaviour

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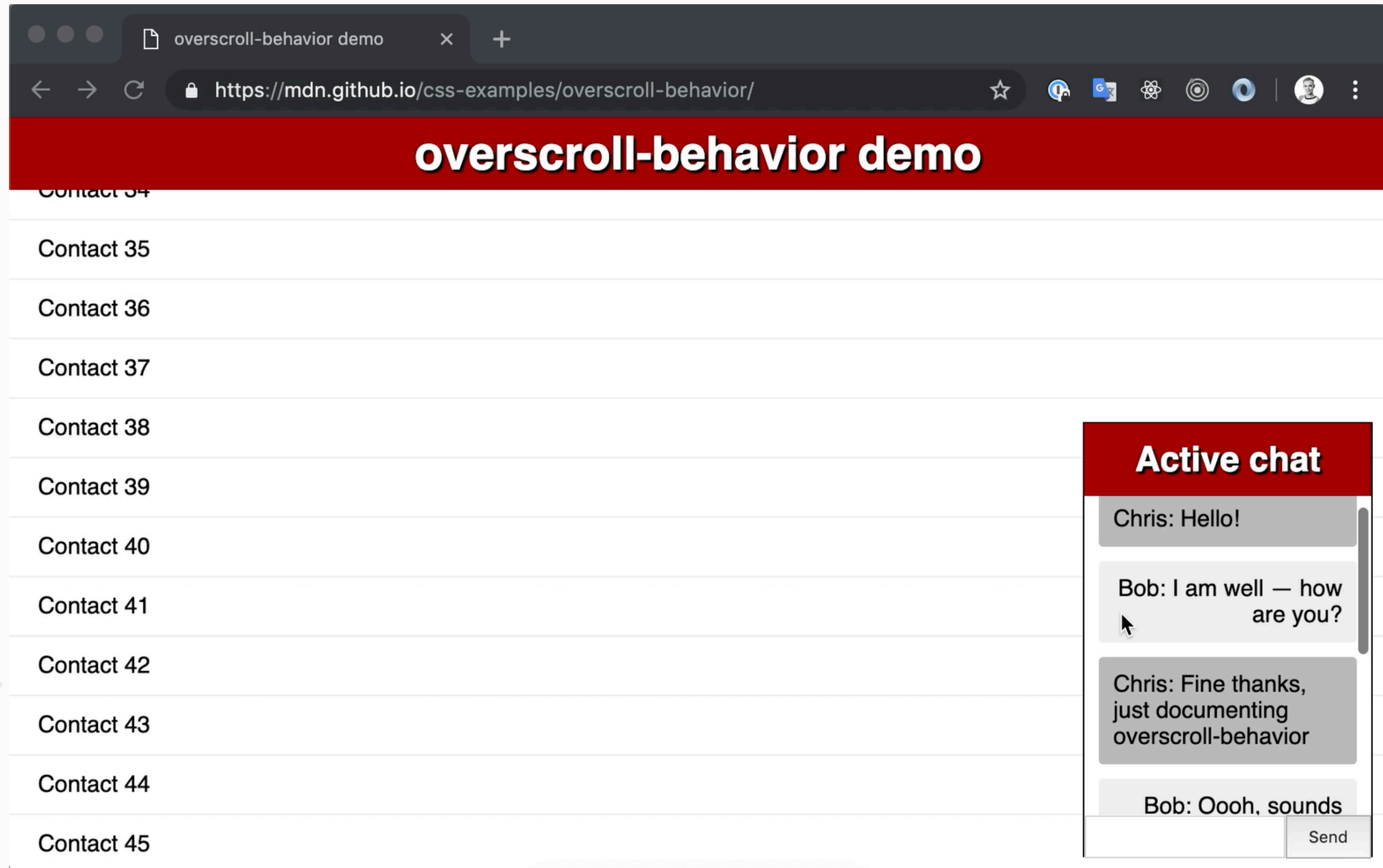
Kod zapobiegający tzw "*scroll-chaining*"

```javascript
document.querySelector('.chatbox').onmousewheel = function (e) {
  document.querySelector('.chatbox').scrollTop -= e.wheelDeltaY;

  e = e || window.event;
  if (e.preventDefault) e.preventDefault();
  e.returnValue = false;
}
```
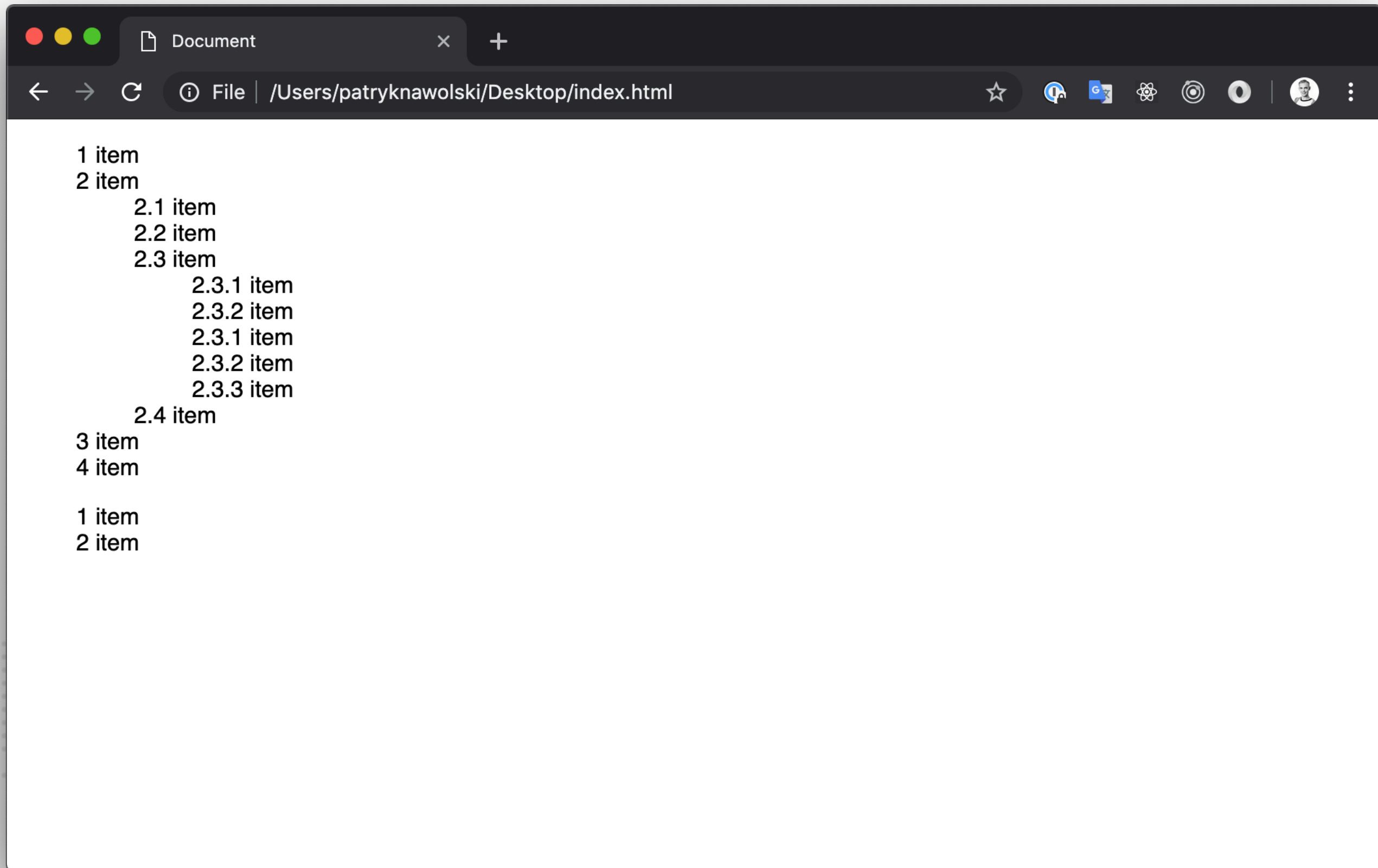
VS

```css
.chatbox {
  overscroll-behavior: contain;
}
```

overscroll-behaviour

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counters

1 item
2 item
    2.1 item
    2.2 item
    2.3 item
        2.3.1 item
        2.3.2 item
        2.3.1 item
        2.3.2 item
        2.3.3 item
    2.4 item
3 item
4 item

1 item
2 item

Kod numerujący zagnieżdżone listy

```javascript
function numberLists () {
  function foo ($ol, counters) {
    counters = counters || [];
      $ol.each(function (i) {
        var $this = $(this);

        $this.children('li').each(function (i) {
          var $this = $(this);

          $this.prepend(counters.concat([i+1]).join('.') + ' ');
          $this.children('ol').each(function (j) {
            foo($(this), counters.concat([i+1]));
          });
        });
      });
  }

  foo($('ol:not(li > ol)'));
}

numberLists();
```
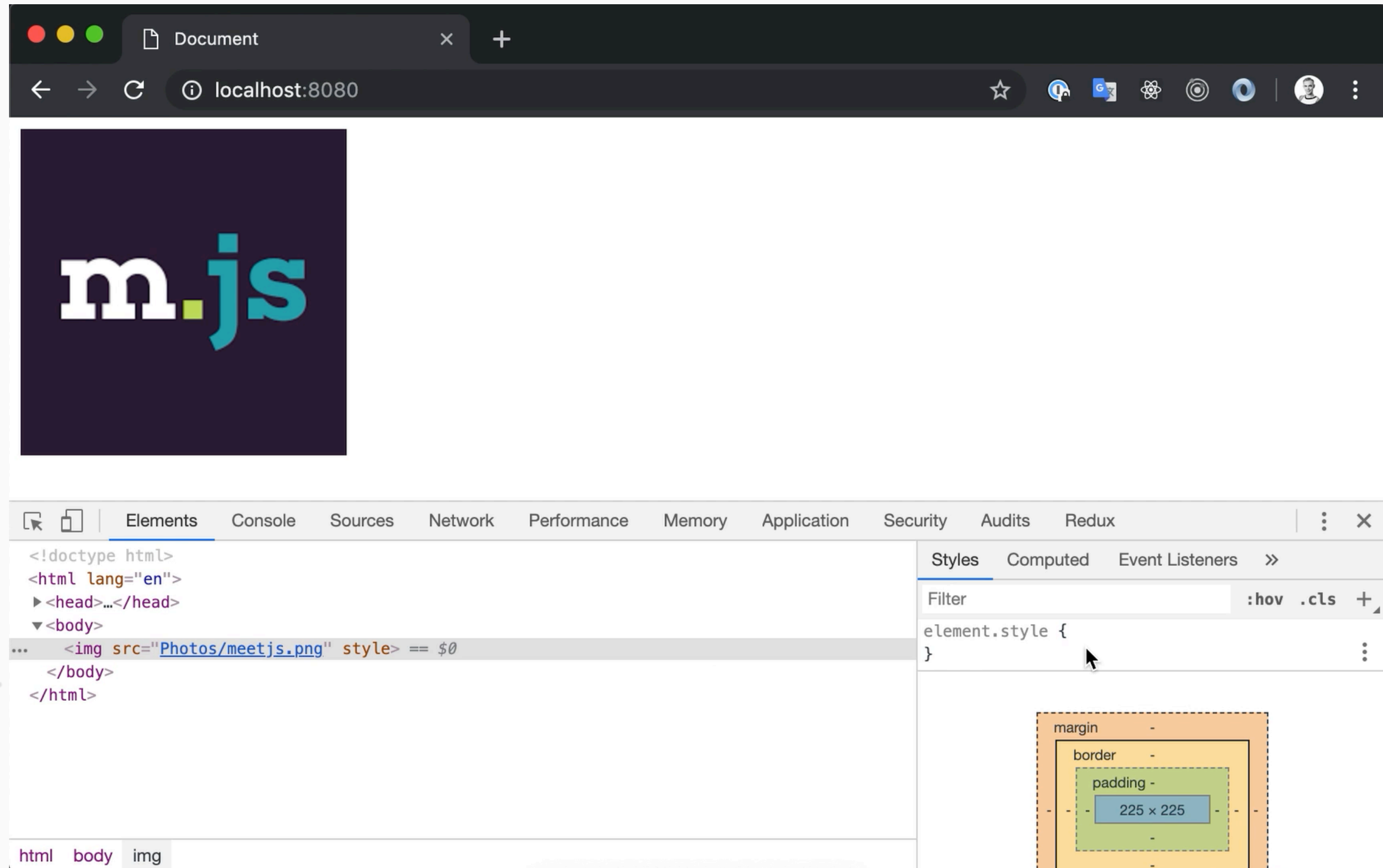
+ jQuery

vs

```css
ol {
  counter-reset: section;
  list-style-type: none;
}

li {
  counter-increment: section;
}

li::before {
  content: counters(section, ".") " ";
}
```
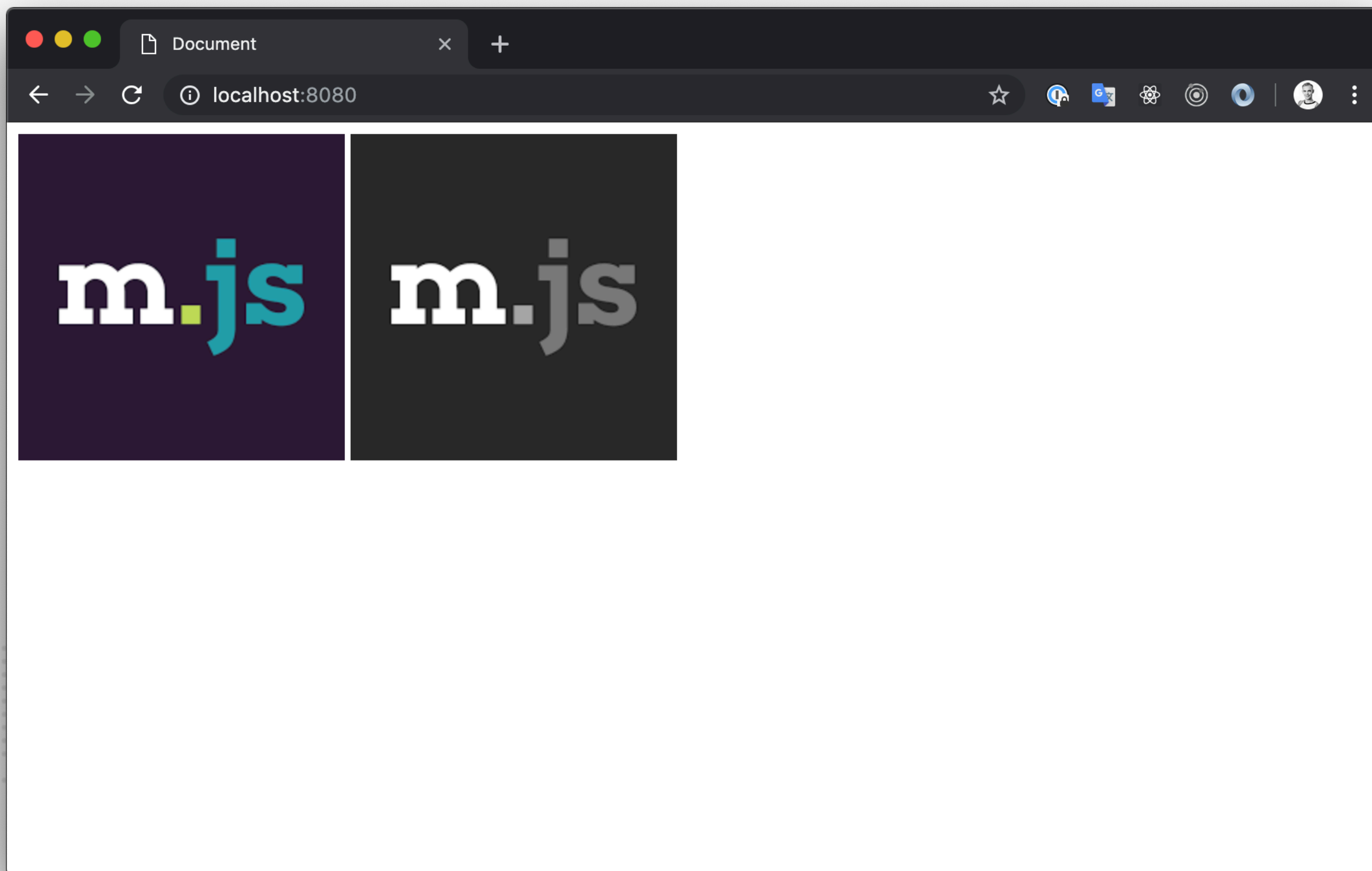
counters

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filters

filters

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filters

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Kod modyfikujący zdjęcie tak, aby było wyświetlone w skali szarości

```javascript
var imgObj = document.getElementById('js-image');

function gray(imgObj) {
  var canvas = document.createElement('canvas');
  var canvasContext = canvas.getContext('2d');

  var imgW = imgObj.width;
  var imgH = imgObj.height;
  canvas.width = imgW;
  canvas.height = imgH;

  canvasContext.drawImage(imgObj, 0, 0);
  var imgPixels = canvasContext.getImageData(0, 0, imgW, imgH);

  for (var y = 0; y < imgPixels.height; y++) {
    for (var x = 0; x < imgPixels.width; x++) {
      var i = (y * 4) * imgPixels.width + x * 4;
      var avg = (imgPixels.data[i] + imgPixels.data[i + 1] + imgPixels.data[i + 2]) / 3;
      imgPixels.data[i] = avg;
      imgPixels.data[i + 1] = avg;
      imgPixels.data[i + 2] = avg;
    }
  }
  canvasContext.putImageData(imgPixels, 0, 0, 0, 0, imgPixels.width, imgPixels.height);
  return canvas.toDataURL();
}]

imgObj.src = gray(imgObj);
```

vs

```css
#js-image {
  filter: grayscale(1);
}
```

filters

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- position: sticky
- scroll-behavior
- overscroll-behavior
- counters
- filters

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Q&A

Dziękuję!

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