Keyboard accessibility

BASIC STEPS TOWARDS A MORE USABLE AND ACCESSIBLE SITE





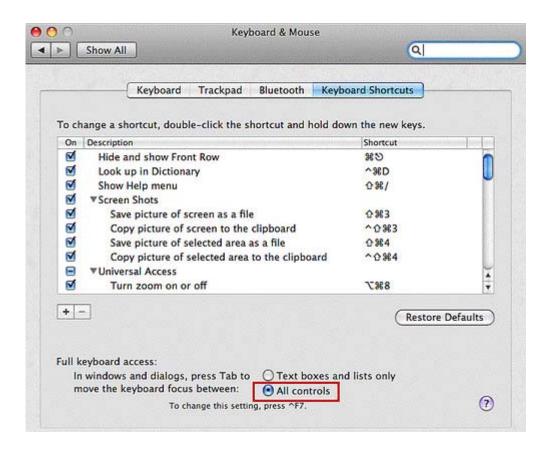
accessibility = blind users + screenreaders?

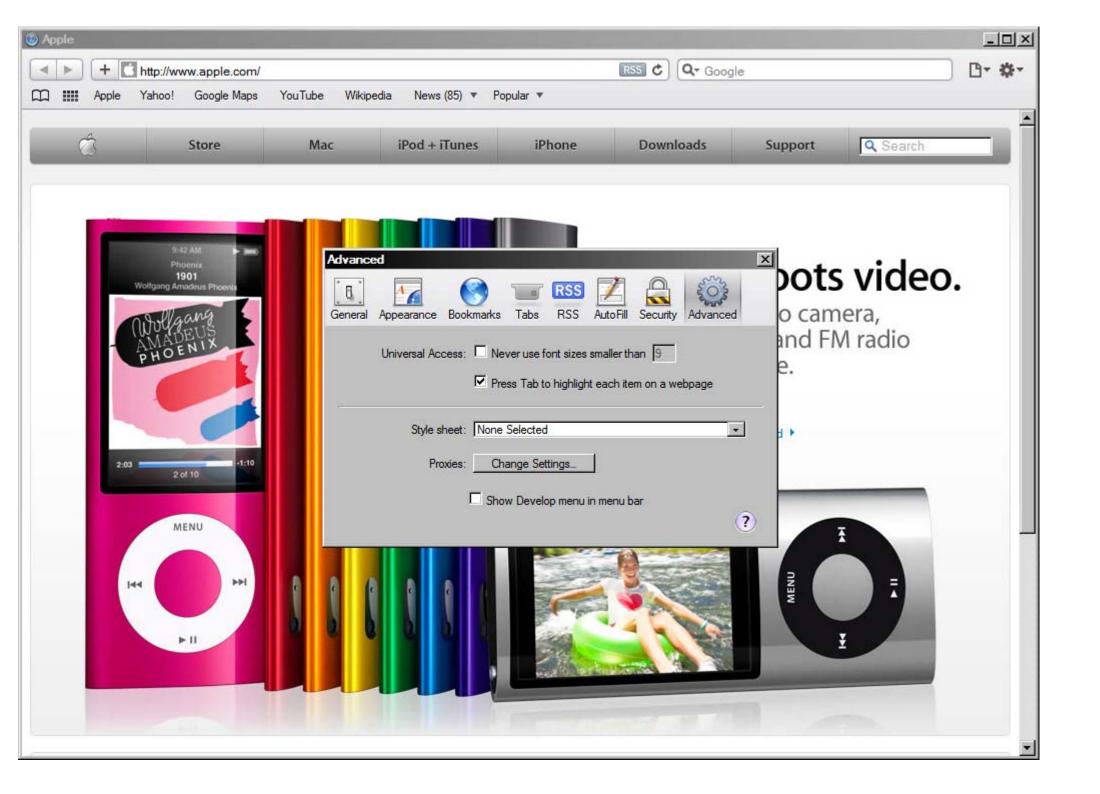
difficult to test – need to install and learn screenreader

many different forms of disability

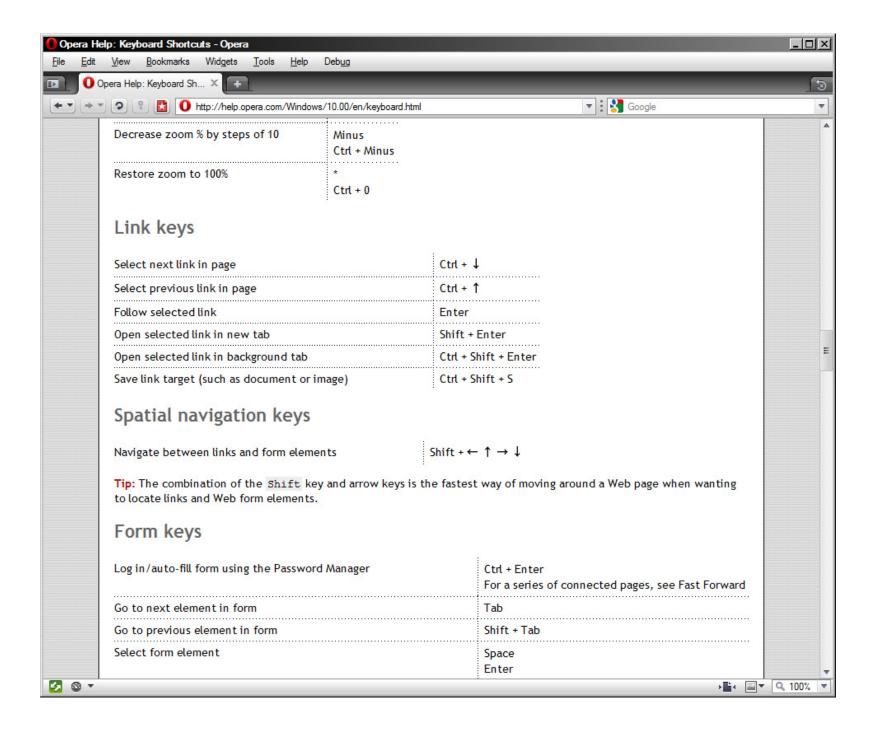
keyboard or keyboard-like interfaces

easiest to test...no special software required



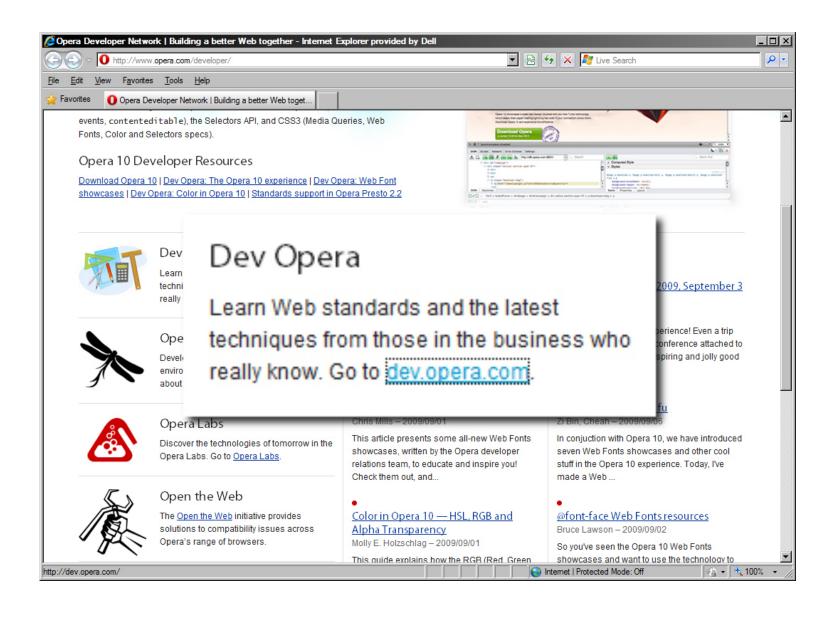


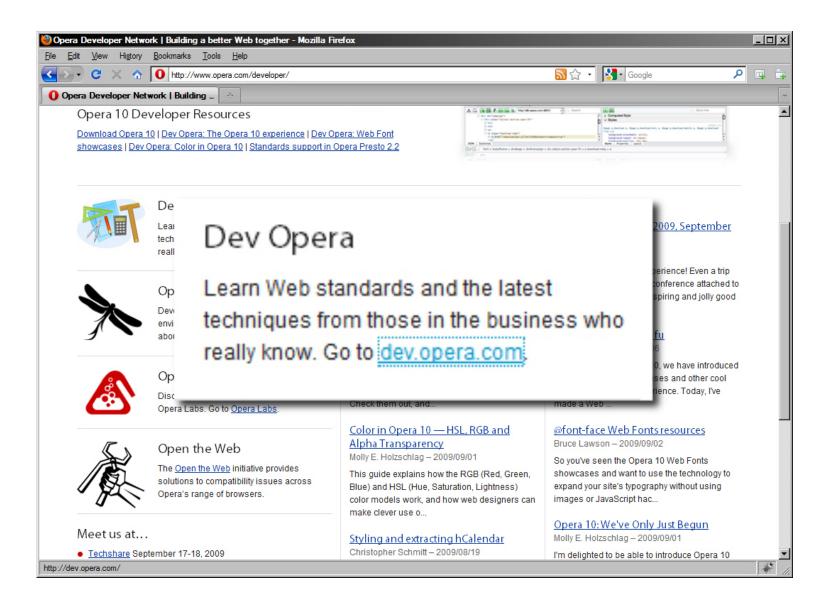
by default users TAB

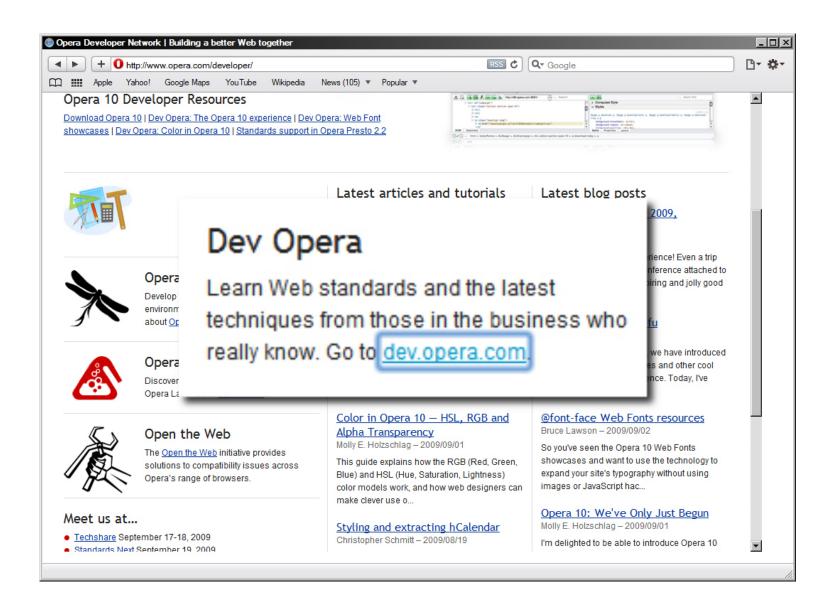


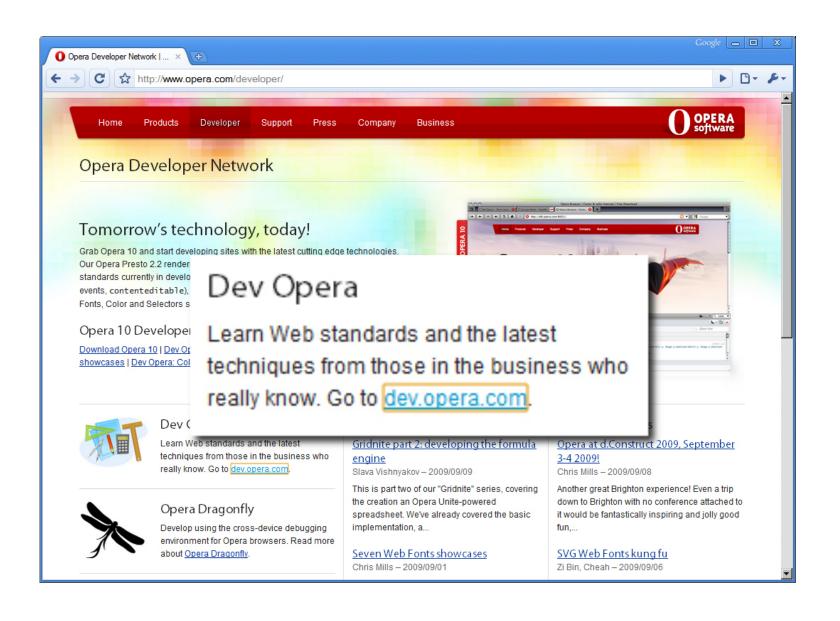
using keyboard, move from one focusable element to the next

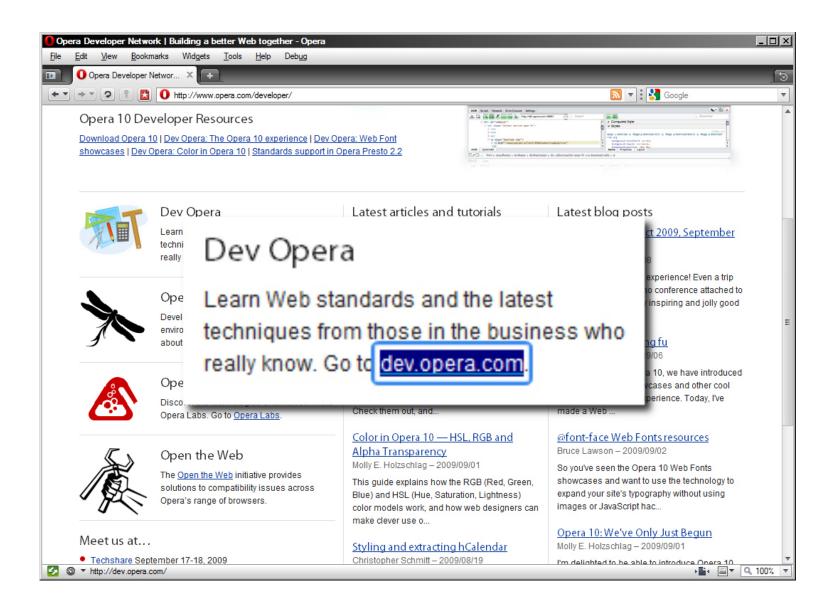
standard focusable elements: links, form elements, image map areas











don't forget the fancy styling



```
a.action:hover {
   background-color: #a82310;
   color: #fff !important;
   text-decoration:none;
#promo-dvd .content a:hover img {
   background-color:#d5c7ae;
```

```
a:focus, a:hover, a:active { ... }
```

don't suppress outline!

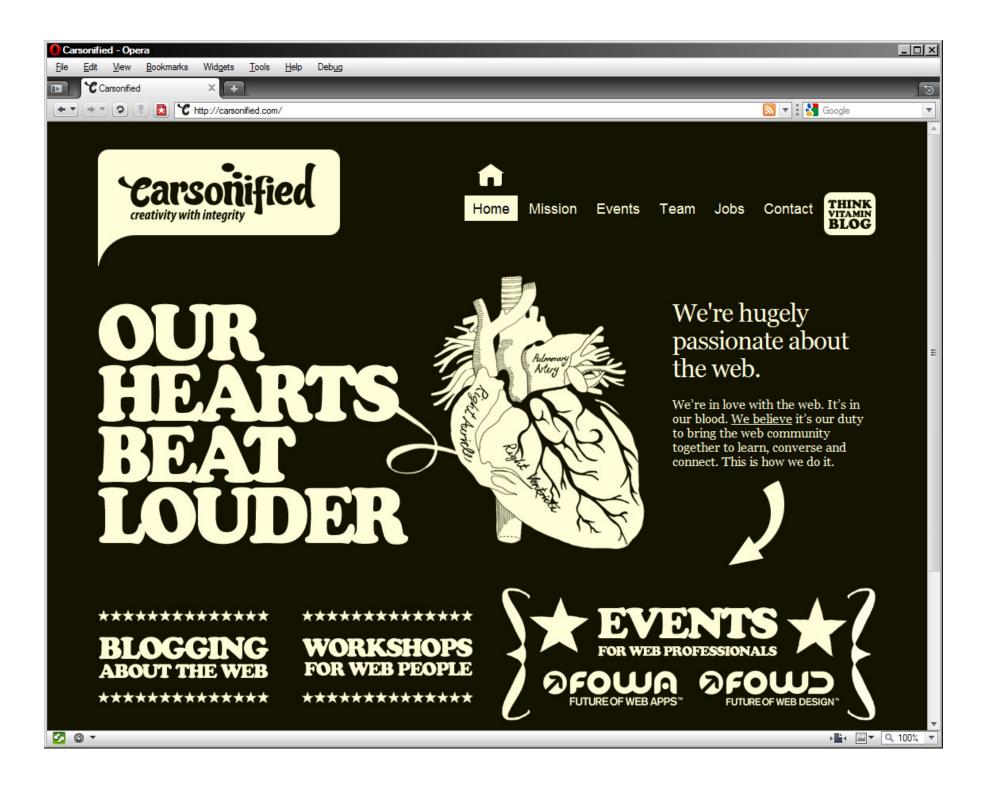


keyboard accessible, but where am 1?

```
/* =Reset Styles - Thank you Eric Meyer
  (http://meyerweb.com/eric/thoughts/2007/05/01/reset-reloaded/)
  * /
html, body, div, span, applet, object, iframe, h1, h2, h3, h4, h5,
  h6, p, blockquote, pre, a, abbr, acronym, address, big, cite,
  code, del, dfn, em, font, img, ins, kbd, q, s, samp, small,
  strike, strong, tt, var, dl, dt, dd, ol, ul, li, fieldset,
  form, label, legend, table, caption, tbody, tfoot, thead, tr,
  th, td {
  margin: 0;
  padding: 0;
  border: 0;
  outline: 0;
  font-weight: inherit;
  font-style: inherit;
  font-size: 100%;
  font-family: inherit;
  vertical-align: baseline;
:focus {
  outline: 0;
```

/* remember to define focus styles! */

why do designers suppress outline?



"get your outline out of my design!" ...is there a compromise?



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WORKSHOPS FOR WEB PEOPLE





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In partnership with (mt)









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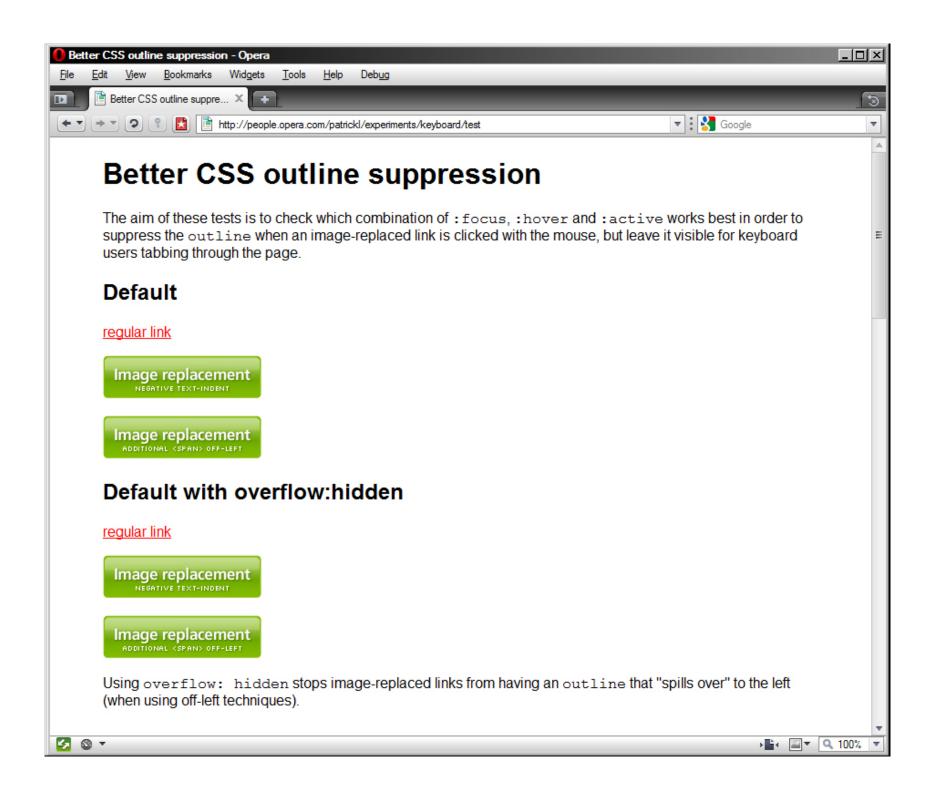
T: +44 1225 324 980

E: hello@carsonified.com



In partnership with (mt)

```
a { ... overflow: hidden; }
```

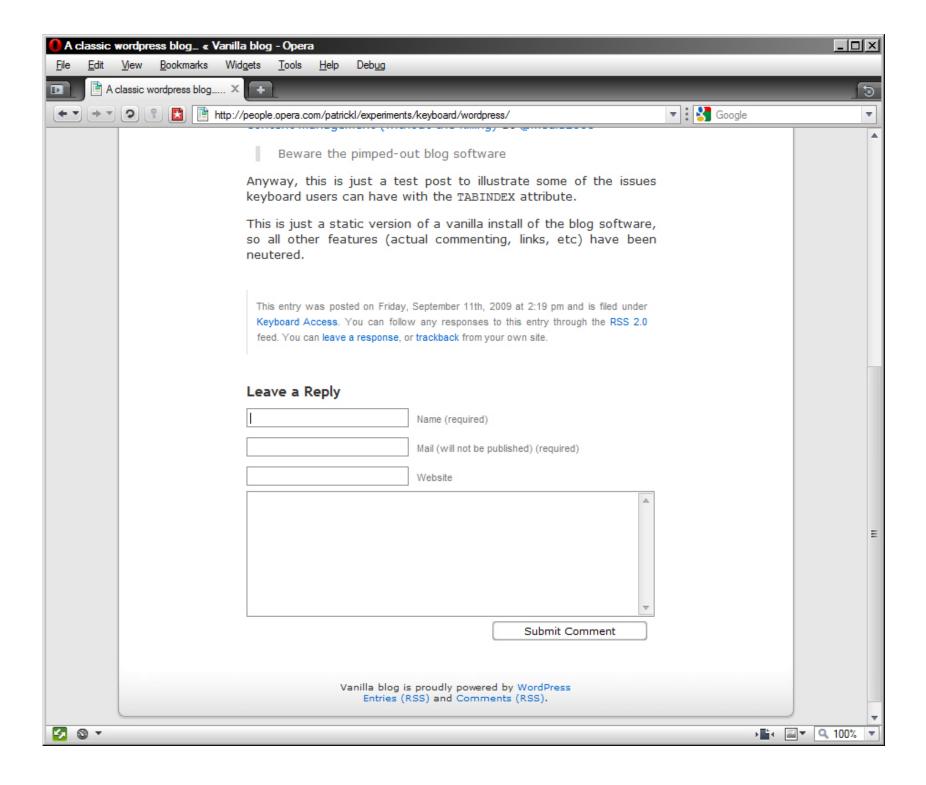


...only suppress it on :active

TAB cycle – normally just **source** order

tabindex forces a certain TAB cycle

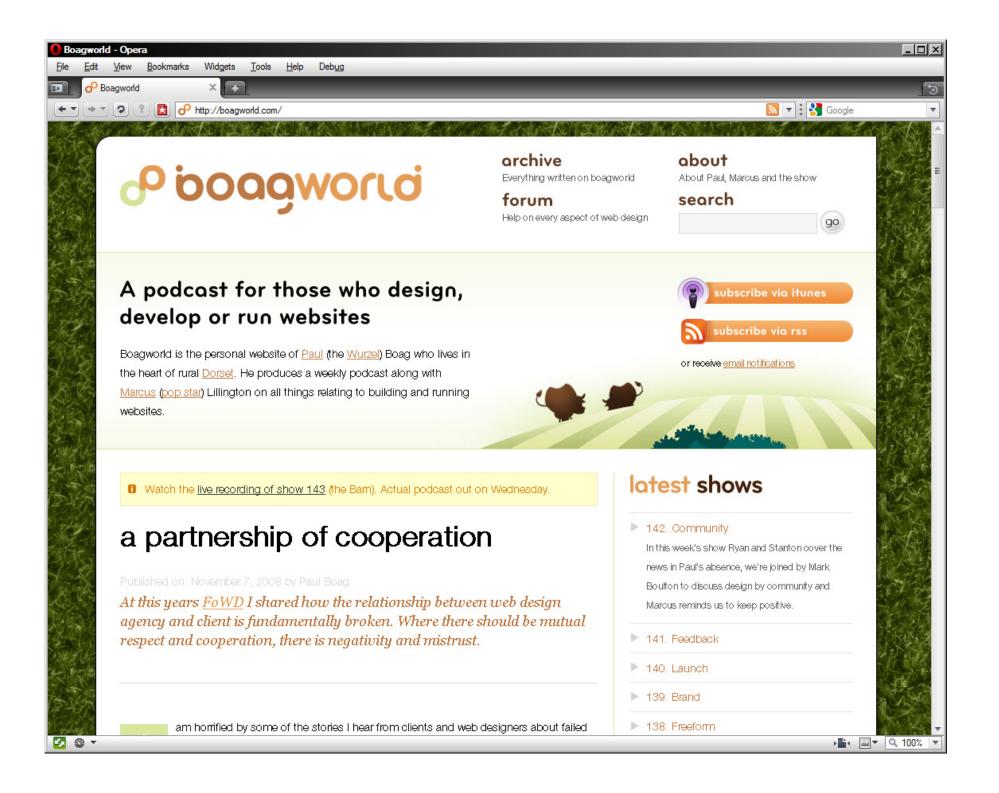
anything with tabindex takes precedence



```
<input type="text" name="author"...tabindex="1" />
<input type="text" name="email"...tabindex="2" />
<input type="text" name="url"...tabindex="3" />
<textarea name="comment"...tabindex="4"></textarea>
```

easy enough...let's drop in some JavaScript





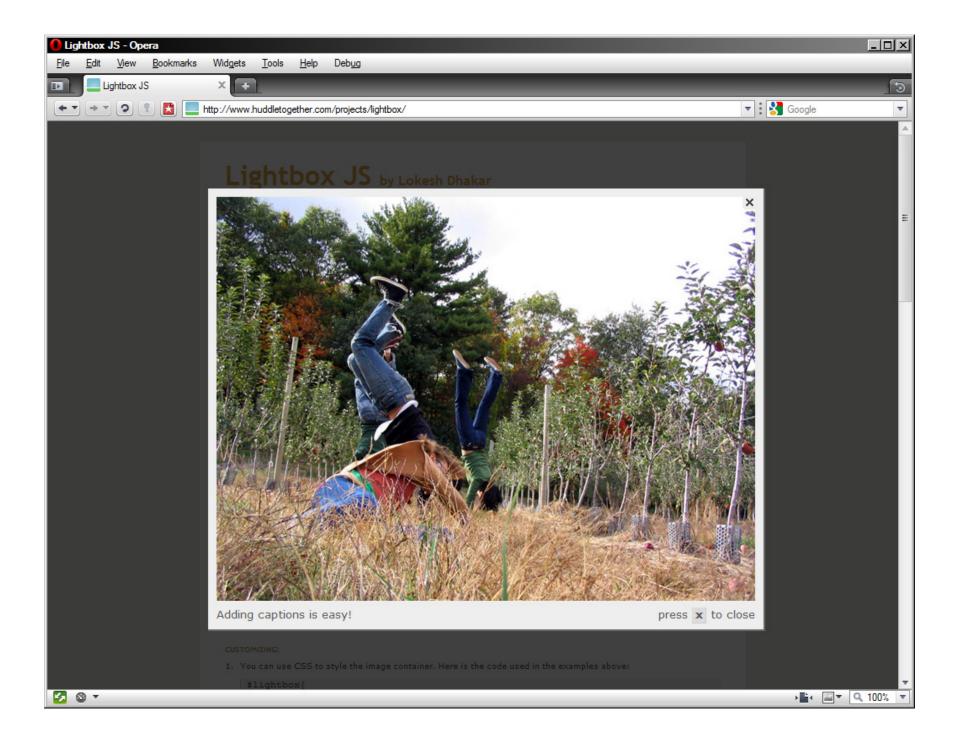
keyboard accessible, but where's the extra information?

```
$('#whatever').hover(
  function() {...},
  function() {...}
);
```

```
$('#whatever').hover(
   function() {...},
   function() {...}
);
$('#whatever').focus(function() {...});
$('#whatever').blur(function() {...});
```

aside: mobile browsers don't do hover (well)

lightboxes...we love 'em



close it again on TAB don't invent new keyboard shortcuts

more complex solution: manage focus

and now, the dangerous part...

JavaScript attaches behaviour to anything

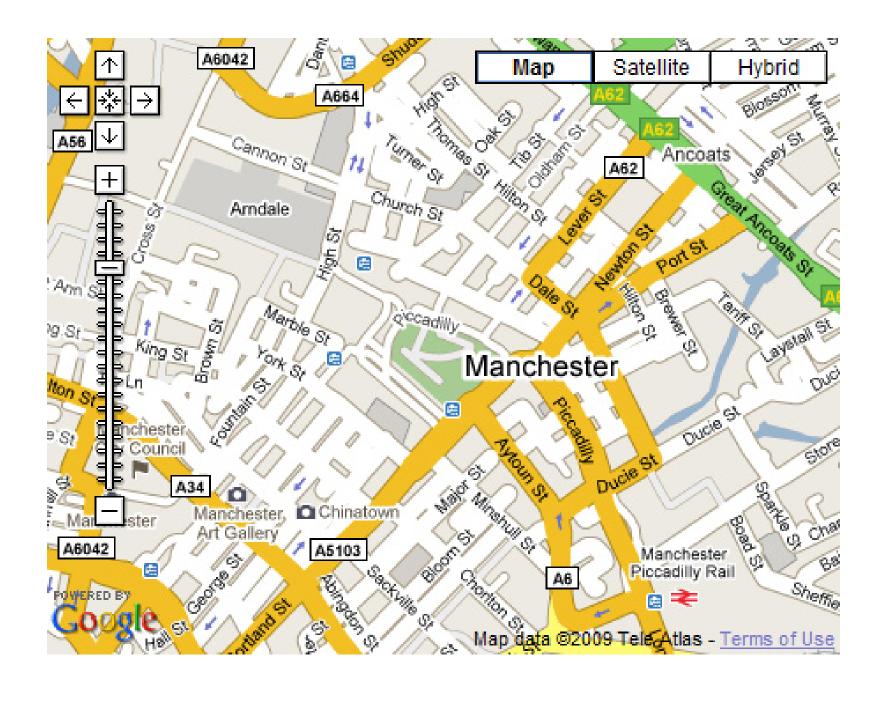
```
$('div').click(function() {...} );
```

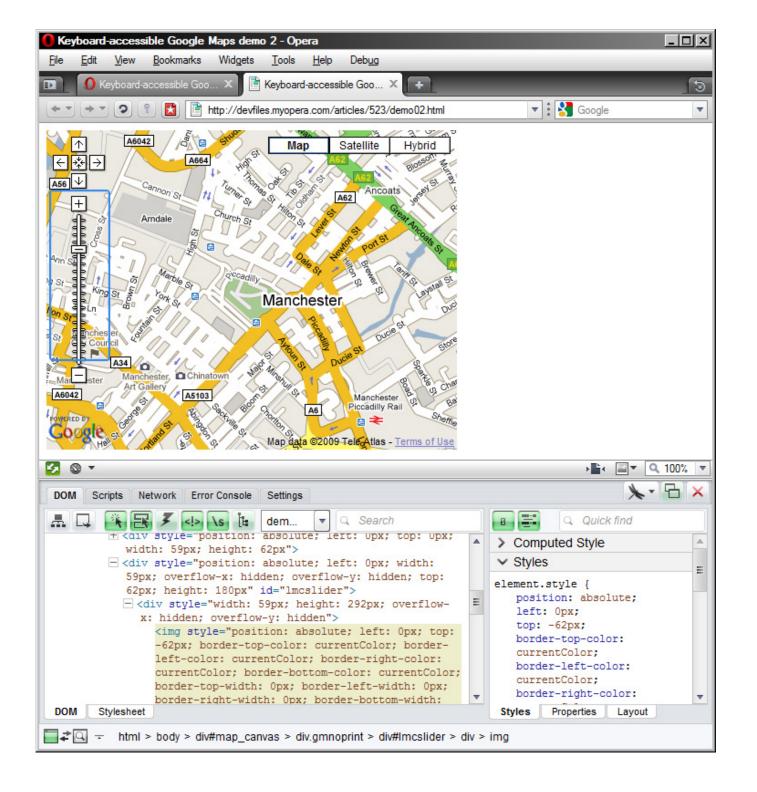
sexy tutorials out there doing it wrong

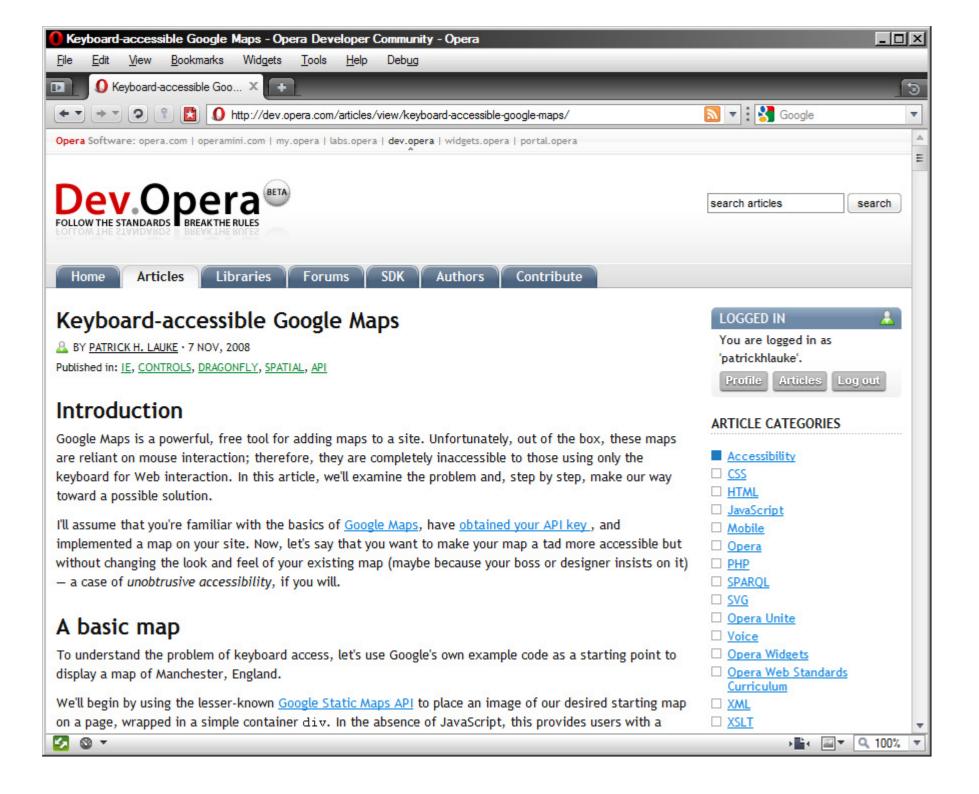


be lazy...use libraries that solved this YUI, jQueryUI, etc

beware 3rd party solutions even the big boys can get it wrong







hijack generated markup to accessify it

in conclusion...

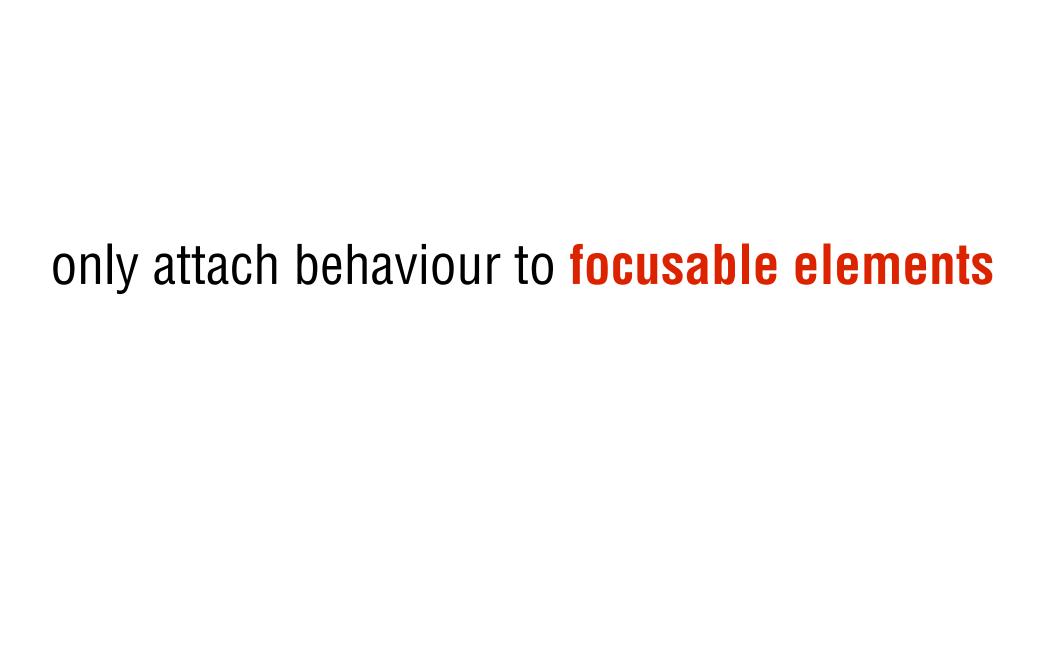
if you style :hover, also :focus and :active

don't suppress outline completely (reintroduce :focus and suppress :active)

leave tabindex alone — source order

JavaScript on hover (mouseover/mouseout)
also on focus/blur
(if focusable element)

lightboxes and their problems



</rant>



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