EVALUATING TECHNOLOGY
specialisation
ubiquity
coopertation
“We shape our tools and thereafter our tools shape us.”

—John Culkin
specialisation
ubiquity
cooperation
Chindōgu
Chindōgu
Chindōgu
Chindōgu
Chindōgu
Chindōgu
Chindōgu

Self-Portrait Camera Stick

Do it yourself without the palaver

If you’re travelling alone or as a couple, it’s hard to get pictures with you in them. It can be embarrassing to have to ask someone to take the photo for you, confusing if they don’t speak your language, even costly if the third party regards your camera as a gift!

With a fifty-seven-centimetre telescoping pole your dilemma is over. Expanding to three times its length for a full shot of you, your companion and your environs, your only problem will be that all your shots will capture you in the act of holding the pole. This could become a tiresome feature of your photo album — unless you really like poles.
hardware
software
human
hardware
software
human
WWW
internet
computers
electricity
industrialisation
WWW

HTTP  URLs  HTML
“Humans are allergic to change.”

—Grace Hopper
SGML
<canvas>
<video>
<audio>
<picture>
<data-list>
HTML
“HTML 5 document conformance requirements should be designed so that web content can degrade gracefully in older or less capable user agents, even when making use of new elements, attributes, APIs and content models.”

—HTML Design Principles
principles.adactio.com
patterns
principles
goals
<canvas>
<video>
<audio>
<picture>
<datalist>
HTML
How well does it work?
How well does it fail?
CSS Shapes Level 1

Allows geometric shapes to be set in CSS to define an area for text to flow around.

<table>
<thead>
<tr>
<th>Version</th>
<th>Edge</th>
<th>Firefox</th>
<th>Chrome</th>
<th>Safari</th>
<th>Opera</th>
<th>iOS Safari</th>
<th>Opera Mini</th>
<th>Android Browser</th>
<th>Chrome for Android</th>
</tr>
</thead>
<tbody>
<tr>
<td>E</td>
<td>8</td>
<td>14</td>
<td>52</td>
<td>10</td>
<td>43</td>
<td>7.1</td>
<td>all</td>
<td>4.3</td>
<td>53</td>
</tr>
<tr>
<td></td>
<td>9</td>
<td>48</td>
<td>54</td>
<td></td>
<td>45</td>
<td>8.4</td>
<td></td>
<td>4.4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>10</td>
<td>50</td>
<td>55</td>
<td></td>
<td>49</td>
<td>9.3</td>
<td></td>
<td>4.4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>11</td>
<td>1</td>
<td>56</td>
<td>9.1</td>
<td>51</td>
<td></td>
<td>10.2</td>
<td>4.4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>15</td>
<td></td>
<td>58</td>
<td></td>
<td>57</td>
<td></td>
<td></td>
<td>4.4</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>59</td>
<td>TP</td>
<td>54</td>
<td></td>
<td></td>
<td>4.4</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>60</td>
<td></td>
<td>55</td>
<td></td>
<td></td>
<td>4.4</td>
<td></td>
</tr>
</tbody>
</table>
Jeremy Keith
Making websites. Writing books.
Speaking at conferences. Living in Brighton.
Working at Clearleft. Playing music.
Taking photos. Answering email.

<table>
<thead>
<tr>
<th>Journal</th>
<th>Articles</th>
<th>Links</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>2325</td>
<td>64</td>
<td>6060</td>
<td>2522</td>
</tr>
</tbody>
</table>
Jeremy Keith

Making websites. Writing books.

Speaking at conferences.

Living in Brighton. Working at Clearleft.

Playing music. Taking photos.

Answering email.
service workers
How well does it work?
**Can I use service workers?**

Method that enables applications to take advantage of persistent background processing, including hooks to enable bootstrapping of web applications while offline.

<table>
<thead>
<tr>
<th>Browser</th>
<th>IE</th>
<th>Edge</th>
<th>Firefox</th>
<th>Chrome</th>
<th>Safari</th>
<th>Opera</th>
<th>iOS Safari</th>
<th>Opera Mini</th>
<th>Android Browser</th>
<th>Chrome for Android</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>*</td>
<td></td>
<td>43</td>
<td>45</td>
<td>49</td>
<td>51</td>
<td></td>
<td>7.1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>8</td>
<td></td>
<td></td>
<td>47</td>
<td>53</td>
<td></td>
<td></td>
<td></td>
<td>4.3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>9</td>
<td></td>
<td></td>
<td>48</td>
<td>54</td>
<td></td>
<td></td>
<td></td>
<td>4.4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>10</td>
<td></td>
<td></td>
<td>50</td>
<td>55</td>
<td></td>
<td></td>
<td></td>
<td>4.4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>11</td>
<td>14</td>
<td></td>
<td>51</td>
<td>56</td>
<td></td>
<td></td>
<td></td>
<td>53</td>
<td></td>
</tr>
<tr>
<td></td>
<td>11</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>9.1</td>
<td></td>
<td></td>
<td>53</td>
<td>56</td>
</tr>
<tr>
<td></td>
<td>15</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
How well does it fail?
custom elements
web components
shadow DOM
<mega-menu>
<slippy-map>
<image-gallery>
<modal-lightbox>
<off-canvas>
<mega-menu>

<link rel="import" href="mega-menu.html"/>

HTML
CSS
JS
How well does it work?
Can I use custom elements v1?

1 result found

Custom Elements v1

Method of defining new HTML tags.

IE  Edge  Firefox  Chrome  Safari  Opera  iOS Safari  Opera Mini  Android Browser  Chrome for Android

8  48  51  43  53  45  49  51  43  43
9  47  50  45  53  45  49  51  44  44
10  48  51  45  53  45  49  51  44  44
11  52  56  47  53  45  49  51  45  45
12  53  55  48  54  45  49  51  45  45
13  54  59  49  57  45  49  51  45  45
14  55  60  50  57  45  49  51  45  45

Notes  Known issues (0)  Resources (10)  Feedback

Chrome 36+/Opera 20+ implemented a previous version of Custom Elements (v0) that used .registerElement(). Other browsers are implementing v1.
How well does it fail?
<image-gallery>
  <img src="" alt=""/>
  <img src="" alt=""/>
  <img src="" alt=""/>
  <img src="" alt=""/>
</image-gallery>
service workers
web components
the extensible web
ajax
responsive web design
progressive web app
HTTPS

+ service worker

+ manifest file

= progressive web app
Welcome to the Washington Post’s Progressive Web App!

This app brings near-instant load times and offline reading capability to mobile browsers. Please open on a phone to check it out!
Who benefits?
developers

users
sass
less
git
gulp
npm

jQuery
bootstrap
angular
react
ember
What are the assumptions?
“Software, like all technologies, is inherently political. Code inevitably reflects the choices, biases and desires of its creators.”

—Jamais Cascio

Powerful component libraries & styleguides that fit the way you work.

Get started →
“The street finds its own uses for things.”

—William Gibson

*Burning Chrome*
“Technology is neither good nor bad; nor is it neutral.”

—Melvin Kranzberg
IT'S THE FUTURE.
TAKE IT.

IT'S THE FUTURE.
TAKE IT.
The Inevitable

What Technology Wants
“The Amish have the undeserved reputation of being luddites, of people who refuse to employ new technology. The Amish are steadily adopting technology — at their pace. They are slow geeks.”

—Kevin Kelly
How well does it work?
How well does it fail?
Who benefits?
What are the assumptions?
Thank you