Index

A

Android, SVG, 138
Animated SVG Girl, 139
Animated SVG icons, 145
APIs
cross-document messaging, 162
Drag and Drop (DnD), 163
geolocation, 161
history, 159
HTML5 Web App, 159
Web Sockets, 162
Web Workers, 162
ARIA benefits, 28
Attributes, HTML5 forms
autocomplete, 71
autofocus, 71
pattern, 74
placeholder, 71
readonly, 71
required, 74
spellcheck, 71
The <audio> element
attributes, 118
browsers, 118
Chrome, Safari and Firefox, 118
description, 117
Flash fallback, 118
games, 132
WebAudio API, 119
Audio and video media players
Flowplayer, 128
jPlayer, 129
JW Player, 129
MediaPlayer.js, 126
OSM, 129
Popcorn.js, 129
SublimeVideo, 129
VideoJS, 127

B

B2G. See Boot to Gecko (B2G) project
Banner landmark, 32
Baranovskiy, D., 137
Boot to Gecko (B2G) project, 155
Browser vendors, 6, 12

C

Chrome and IE11, 131
Chrome’s range slider on Mac, 76
CMSs. See Content management systems (CMSs)
Codecs, native HTML5 support, 124
Complementary landmark, 38
“contentinfo” landmark, 39
Content management systems (CMSs), 156

D

d3.js online, “streamgraph”, 142
Database storage, 160
Dev.Opera guide, 121
DnD. See Drag and Drop (DnD)
Drag and Drop (DnD), 163
DrawAStickman.com, 148
DRM, HTML5 video ointment, 130

E

Electronic Freedom Foundation, 163
EME. See Encrypted Media Extensions (EME)
Encrypted Media Extensions (EME), 131, 163
Epic Citadel
Angry Birds, 111
demos, 115
Epic’s Unreal Engine 3 running, 110
glfx.js image manipulation, 112
HTML5 game–making tool, 115
INDEX

Epic Citadel (cont.)
  interactive music video, 111
  mobile browsers, 115
  motor academy, 114
  Quake II, 113

F
Firefox OS, 155
Flowplayer, 128

G
Google Analytics, 155
  Google Analytics account, 166
Google Docs drawing program, 140
Google’s Hummingbird search algorithm, 60

H
HTML5
  <address>, 65
  audio and video media players (see Audio and video media players)
  The <audio> Element (see The <audio> Element)
  <b> and <i> tags, 61
  browser vendors, 6
  <cite>, 65
  codecs, 124
  <details> and <summary>, 64
  elements, 62
  “emphasized” text, 61
  <figure> and <figcaption>, 63
  H.264 support and Firefox, 124
  Hixie or Bust, 7
  “HTML5.1,” 9
  HTML5doctor.com, 62
  “HTML.next”, 9
  “In Praise of Evolvable Systems”, 66
  JavaScript, 125
  <mark>, 62
  mandatory, media delivery, 117
  Microsoft, browser makers, 7
  new features, 10
  presentational and semantic markup, 61
  proprietary tools, 117
  Schema.org, 65
  simple word processor-style formatting vs. marking up, 65
  <small>, 64
  specification, 7
  standards-compliant browser, 7
  <time>, 63
  The <video> Element (see The <video> Element)
video ointment

DRM, 130
  fullscreen API, 132
  streaming, 131
video types, 125
W3C
  and WHATWG diversions, 11
  architecture astronauts and, 1
  browser vendors, 12
  destroy, 9
  embrace, 10
  reform, 9
  web applications, 5
web 2.0 movement, 4
web standards, 6
WHATWG, 5–6
  wrap anchors, block-level elements, 62
XHTML 2.0, 4, 8
XML uses (see XML)

HTML 5.1, 163
HTML5 forms
  accessibility, 79
  attributes (see Attributes, HTML5 forms)
  definition, XForms, 67
  designers, 68
  “good news, bad news” style, 68
  input type, color (color picker), 77
  input types (see Input types, HTML5 forms)
iOS5, 67
iOS7, 67
  JavaScript libraries, 67
JavaScript requirement, 78
<meter>, 73
  modern browsers, IE10+, 67
  placeholder, 71
<progress>, 72
resources, 68
Web Forms 2.0, 67

HTML5
  accessibility, 104
  advertising, 82
  background animations, 100
  Biolab Disaster, 94
  browser makers, 83
  bury flash-isms, 84
canvas, 81
canvas element, 84
canvas rider, 95
casual gaming, 105
charts, 86
cross-device platform, 106
Cut the Rope, 96
developer interest, 106
“Edge”, 83
Endless Mural, 98
Epic Citadel (see Epic Citadel)
INDEX

P, Q

PBS Kids, 143
Performance-based design
    37signals A/B testing, 165
coloration rate experts, 165
design performance, 167
digital telepathy, 165
Google Analytics account, 166
HTML5 media player, 166
performance vs. production, 166
site redesigns, 166
technological and social phenomena, 165
Polyfills, 159
Popcorn.js player, 129
pushState, 159

R

Raphael.js-powered demos
    description, 146
    DrawAStickman.com, 148
    Markup.io, 147
    thirteen23, 146
    Raphaël library, 137

S

Safari Developer Library guide, 121
Scalable Vector Graphics (SVG)
    and responsive Web Design, 149
    Android, browser support, 138
    Baranovskiy, D., 137
    browser support, 136
    Canvas's Photoshop, 135
    charts with highcharts, 142
    CSS3 implementations, 137
    D3.js, 141
demo, 136
description, 135
faces, 137
Flash, 151
frameworks, 150
games, 141
Google Docs, 140
HTML document and browsers, 136
New Flash, Adobe, 138
Raphael.js-powered demos
    (see Raphael.js-powered demos)
Snap.svg-powered demos
    (see Snap.svg-powered demos)
SVG Edit, 139
SVG Girl, 139
SVG Gotchas, 150
working, 149

Schema.org
    and microdata, 54
    consultation, 54
description, 51
Google iPhone review, 52
human face, 54
infrastructure, vocabularies and drivers, 52
microformats, 53
newbie friendly, 55
not-comically-bad web site, 55
outreach, 54
product managers at Google, 55
RDFa, 53
semantics and HTML, 56
Semantic Web, 52

Search engine optimization (SEO)
    and fancy markup, 60
    and HTML, 59
    in dark ages, 59
description, 59
Google's Hummingbird search algorithm, 60
"off-page" and "on-page" metadata factors, 59
print designers, 60

Semantics
    concept, 51
desktop browsers, 49
human and basic machine
    readability problems, 49
infrastructure, 50
microdata and metadata, 49
microformats community, 51
"more semantic", web design discussions, 48
policy documents, 50
screen readers, 48, 50
search engines, 48, 50
"structured data", 49
vocabularies, 51

SEO. See Search engine optimization (SEO)
Snap.svg library, 137
Snap.svg-powered demos
    with codrops animated icons, 144
    page, 145
    PBS Kids, 143

Streaming, HTML5 video ointment, 131

Structuring, HTML5 Page
    ARIA attributes, 17
    ARIA benefits, 28
    blind users, 23
    "common understanding", 24
definition, 17
document outlines, 20
experts, 18
familiar <h1>–<h6> tags, 20
"improved" outlining, 23
layout recommendations, 29
limitations. <h1>-<h6>, 22
<h1> and <footer> elements, 24
<main> (Sort Of), 25
markup for accessibility, 27
not a replacement, 20
not equal, 20
outline, definition, 20
“paving the cowpaths”, 24
rules, 25
scientific, research-based approach, 18
“sectioning”, 22
sectioning elements, 17
simplified examples, 21
styling headings, 26
This is wrong. Don’t do this., 19
too few elements, 20
vendors, screen readers, 27
web designers and authors, 19
web developers and HTML authors, 18
web standards, 27
SublimeVideo, 129
SVG. See Scalable Vector Graphics (SVG)
SVG Edit, 139
SVG-oids, 141

T, U
thirteen23, 146

V
Vector graphics, 149
Video accessibility, 121
The <video> Element
API and resources, 122
attributes, 120
codecs, 122
description, 120
Google and Chrome WebM, 123
H.264 software, 123
height and width, 121
patent problem, 122
video accessibility, 121
VideoJS player, 127

W
The WebAPI project, 155
Web designers, 2
WebGL
3D development, 108
HelloRun, 109
working group, 108
Web Sockets, 162
Web Workers, 162
"Windows Phone 7", Microsoft’s, 154

X
XHTML 2.0, 4, 8
XML
browser, 3
error handling, 2
extensible, 2
XHTML
meaning, 2
purpose, 3
web standards, 3

Y
Yahoo’s JavaScript Research, 42

Z
The Zen Audio Player, 120