

# Index

.NET 180, 352–355

## A

**absolute** 97, 104

**Active Server Pages (ASP)** 341–349, 353, 356

**adaptable systems** 363, 367

**animation** 147–151, 155, 163, 165, 166

**anti-virus** 297, 299, 305–307, 312

**Apache** 216–218, 222, 223, 226, 228, 311, 315, 322

**Apache HTTPd** 216, 218, 228

**ARPANET** 2, 359–361

**array** 115–117, 123, 252–259

**ASP**, *see* Active Server Pages (ASP)

**assignment** 113–114, 123

**associative array** 256–259, 270

**Atom** 201, 208, 211

**attribute** 31, 33, 39–41, 43, 45, 49, 56, 58, 59, 170, 178

**autonomic** 363, 366, 367

## B

**blog** 209–211, 304, 361, 365

**Bluetooth** 363, 367

**border** 91–93, 104

**broadband** 358, 361–363, 367

## browser

architecture, 51, 72

types, 3, 147, 161, 270

wars, 52, 54, 73, 360, 362

**BSD** 222, 224–227

**button** 149, 153, 156–163, 257, 267

## C

**C#** 353–354, 356

**C++** 114, 122, 231, 233, 322, 353

**C Sharp** 353, 356

**cache** 18, 19, 51, 59–60, 63, 73, 151, 155, 260, 351

**Cascading Style Sheets (CSS)** 53, 54, 70, 73, 75–104, 108, 109, 148, 153, 155, 184, 186

**CGI**, *see* Common Gateway Interface (CGI)

**character entity** 61–63

**class** 78–79, 104, 289, 294, 295

**client-server** 11, 214, 228

**client side** 23–48, 107–122

**Common Gateway Interface (CGI)**

302–303, 340, 349, 356

**concatenation** 115, 234, 248, 252

**constructor** 115, 128–130, 144, 295

**convergence** 364–367

**cookie** 18, 19, 277–281, 283, 284, 294, 295

**cross site script** 297, 301, 313

**CSS**, *see* Cascading Style Sheets (CSS)

**cybernetic** 364, 366, 367

**cyber-terrorism** 300

## D

**DARPA**, *see* Defense Advanced Research

Projects Agency (DARPA)

**data islands** 179, 181

**data type** 111, 118, 122, 177, 178, 328, 338

**database** 168, 171, 179, 196, 216, 217, 222,  
224, 225, 228, 304, 315–338

**Database Management System**

(DBMS) 316, 321, 322, 330, 337, 338

**DBMS**, *see* Database Management System

(DBMS)

**decrement** 117, 121, 123

**Defense Advanced Research Projects**

Agency (DARPA) 2

**denial of service** 300–301, 308

**deprecated** 54, 70, 74

**destructor** 293–295

**DHTML**, *see* Dynamic HTML

**dial-up access** 360, 367

**distro** 225, 228

**div** 100, 102, 104, 148, 153, 161

**DNS**, *see* Domain Name System (DNS)

**Document Object Model (DOM)** 125,  
133–139, 144

**Document Type Definition (DTD)** 56,  
58, 74, 172–175, 177, 180, 181, 200

**DOM**, *see* Document Object Model (DOM)

**Domain Name System (DNS)** 3, 6, 9,  
13, 226–228

**driver** 71, 74

**DTD**, *see* Document Type Definition (DTD)

**dynamic DNS service** 226, 228

**dynamic HTML** 147–166

**dynamic IP** 226–228

**dynamic script** 107, 108, 122, 125, 150

**dynamic Web page** 107, 123

## E

**ECMAScript** 108

**electromagnetic pulse** 365, 367

**electronic warfare** 300, 367

**element** 21, 45, 49, 58, 60, 64, 73, 75, 77, 78,  
80, 96, 98–100, 104, 137, 150, 169–170,  
173, 177, 189, 199, 251

**email** 6, 9, 139, 141, 142, 202, 266, 301–302,  
305, 306, 359

**embedded system** 367

**emphasis** 28, 29, 49

**encapsulation** 288, 295

**encryption** 10, 14, 20, 266, 270, 273, 287,  
299, 310, 316

**entity** 175, 320, 338

**entity-relationship diagram** 319, 322,  
337, 338

**enumerated** 50, 138, 181

**error** 13, 48, 174, 236–237, 323, 334, 342

**escape sequence** 114, 115, 123

**event** 108, 110, 123, 147, 156–163, 165, 166

**event driven** 147, 156, 165, 166

**Extensible HyperText Markup****Language (XHTML)** 51–72**Extensible Markup Language (XML)**

53–54, 167–180, 183–195, 199

**expert system** 367**F****File Transfer Protocol (FTP)** 7–9,

14–17, 20, 222, 310

**File Transfer Protocol over SSL****(FTPS)** 14, 15, 17, 20**firewall** 8, 9, 20, 198, 211, 222, 309–310, 313,

366

**font** 27–31, 49, 90–91**form** 43–50, 137, 140, 144, 153, 163, 237,

239, 251, 256–259, 302

**frame** 64–71, 74

inline, 69, 74

nesting, 67

**FreeBSD** 222, 224, 225, 227**FTP**, *see* File Transfer Protocol (FTP)**FTPS**, *see* File Transfer Protocol over SSL**function** 117–118, 259–260**future** 300, 357–368**G****General Packet Radio Service (GPRS)**

363, 367

**GET** 343, 344**GPRS**, *see* General Packet Radio Service

(GPRS)

**grid computing** 361, 362, 364, 366, 368**H****hacker** 297, 298, 300, 302, 305, 313**hacking** 298–300, 312, 362**heading** 30, 50, 77, 99**history** 2–3, 307, 308**horizontal rule** 28, 30, 50**HTML**, *see* HyperText Markup Language

(HTML)

**HTTP**, *see* HyperText Transfer Protocol

(HTTP)

**hyperlink** 33–34, 50**hypertext** 1, 2, 17, 20**HyperText Markup Language****(HTML)** 20

entity, 61

form, 52, 54, 256, 268, 280

frame, 65

image, 49, 96, 149

tag, 23, 26, 28, 41, 49

**HyperText Transfer Protocol (HTTP)**

2, 11, 12, 14, 20

**I****ID** 79, 104**IKVM** 355–356**image** 41–43, 83–87, 96, 103, 104, 150–155**image caching** 150, 155, 166**increment** 114, 117, 121, 123, 149, 244, 248**inheritance** 288–295**inline frame** 69–71, 74**Internet** 3–6, 8, 9, 19, 20, 216, 359–361, 365,

366

**Internet Protocol (IP)** 3, 20, 226

**Internet Service Provider (ISP)** 3, 215

**interpreter** 71, 73, 74

**invoke** 117, 122, 123

**IP**, *see* Internet Protocol (IP)

**IP address** 3, 6, 13, 219, 221, 223, 302, 311,  
313

**ISP**, *see* Internet Service Provider (ISP)

**Iterate** 25, 123, 248

**Iteration** 193, 248, 258, 270

## J

**J#** 353, 355, 356

**J Sharp** 353, 356

**Java** 125, 195, 196, 349, 350

**JavaScript** 16, 18, 107–145, 125–144,  
147, 148–155, 156, 161, 178, 179,  
194–195

**JavaServer Pages (JSP)** 352, 355, 356

**JSP**, *see* JavaServer Pages (JSP)

## K

**keys and values** 255–256, 270

## L

**Last In First Out (LIFO)** 254, 258, 270,  
271

**LIFO**, *see* Last In First Out (LIFO)

**line break** 28, 50, 58, 239

**Linux** 216, 218, 219, 222–224

**list** 34–36, 50, 95–96

**loop** 121–123, 253–255

**looping** 243–247

**loosely typed** 235, 248, 249

## M

**margin** 93–94, 104

**meta tag** 58–61, 74

**method** 43, 45, 46, 75, 80, 83, 115, 118, 123,  
126, 130–132, 136, 143–145, 164, 257,  
280, 288, 343

**microbrowser** 285

**military** 300, 357, 363, 365–366

**mono** 354–356

**MySQL** 217–218, 322–325, 337, 338

## N

**normalization** 320–322, 337, 338

## O

**object**

constructor, 125, 128–130, 132, 144, 289,  
293, 294

destructors, 294, 295

javascript, 107, 108, 111, 123, 125–132, 139,  
144, 145

PHP, 273, 288, 293, 343, 345

**object based**, *see* object oriented

**object oriented** 107, 145, 288, 289, 295

**Object-Oriented Programing**

(OO/OOP) 273, 288–295

**OO/OOP**, *see* Object-Oriented Programing

(OO/OOP)

**OpenBSD** 223–228

**operating system** 8, 10, 14, 71, 74, 189,  
213, 218

**operator** 107, 113–115, 117–120, 129, 241,  
249, 252, 255, 265

## P

**padding** 94–95, 104

**peer-to-peer** 214, 217, 228

**Perl** 16, 216, 340, 349

**phishing** 297, 302, 313

## PHP

object, 273, 288, 289, 293, 343, 345

PHP 4, 288, 289

PHP 5, 288, 289, 291, 293

PHP 6, 288

**plug-ins** 16, 17, 72, 74

**point size** 50

**port** 9–11, 14, 198, 199, 214, 222, 310, 312,  
323

**POST** 46, 257, 258, 344

**primary key** 317, 319, 321, 327, 338

**property** 70, 78, 84, 91, 112, 115, 126, 130,  
145, 257, 289

**protocol** 1–3, 5–14, 19, 20

**Python** 216, 217, 301, 322

## Q

**query** 329, 338

## R

**radio button** 44, 47, 50, 345

## Radio Frequency Identification

**(RFID)** 363, 368

## Really Simple Syndication (RSS)

201–203, 205–209, 211

**reconfigurable** 368

**reconfigurable system** 366

**recursive** 231, 249

**red, green, blue (RGB)** 31, 32, 84, 87, 104

**redirection** 59, 60, 260, 271

**regular expression** 142–145

**relational database** 217, 317–322, 337

**relative** 98, 104

**reload** 18, 25, 59, 60, 260, 264, 270, 271

**Remote Procedure Call (RPC)** 198, 211

**RFID**, *see* Radio Frequency Identification  
(RFID)

**RGB**, *see* red, green, blue (RGB)

**router** 3, 221, 300

**RPC**, *see* Remote Procedure Call

**RSS**, *see* Really Simple Syndication

## S

**schema** 175–179, 181

**scope** 112–113, 123

**script** 24, 46, 71, 107–122, 125–144, 148,  
153, 178, 180, 215, 216, 231–234, 239,  
240, 242, 243, 244, 257, 268, 281,  
283–284, 289, 331, 337

**search engine** 16, 20, 49, 51, 59, 60, 62, 72,  
76, 301, 366

**Secure Shell (SSH)** 10, 14, 15, 20

**Secure Shell (SSH) File Transfer****Protocol (SFTP)** 14, 15, 17, 20**Secure Sockets Layer (SSL)** 10, 14, 20**security** 14, 15, 18, 20, 144, 251, 269,  
297–313, 323, 340**server** 1, 214–215, 217, 219, 221–222, 228,  
323, 325**server side** 50, 213–227, 231–247**session** 12, 280–284, 342

ID, 281, 283, 284, 301

**SFTP**, *see* Secure Shell (SSH) File Transfer  
Protocol (SFTP)**Simple Mail Transfer Protocol****(SMTP)** 9, 20**Simple Object Access Protocol****(SOAP)** 198–201**SMTP**, *see* Simple Mail Transfer Protocol  
(SMTP)**SOAP**, *see* Simple Object Access Protocol  
(SOAP)**social engineering** 305**spoofing** 302, 313**SQL**, *see* Structured Query Language**SSH**, *see* Secure shell (SSH)**SSL**, *see* Secure Sockets Layer (SSL)**stack** 3, 6, 98, 99, 103, 224, 251, 254, 258,  
259, 271**static script** 108, 122**static Web page** 23, 122, 124**string** 114–116, 124

concatenation, 115, 234, 258

manipulation, 117, 141, 251, 261

**Structured Query Language (SQL)**

322–325, 330, 338

**style sheet** 188

external, 81

embedded, 82

**T****tag** 23, 26, 27, 29, 30, 36, 43, 58–61, 74, 149,  
158, 169, 170**TCP**, *see* Transmission Control Protocol (TCP)**TCP/IP** 3, 5, 224, 361**Telnet** 10, 12**template** 142, 144, 172, 184, 188, 192, 193,  
196, 295**text area** 44–45, 50**Time to Live (TTL)** 60, 74**timeline** 312, 359**TLS**, *see* Transport Layer Security**Transmission Control Protocol (TCP)**

5, 10, 11, 20

**Transport Layer Security (TLS)** 14, 20**Trojan horse** 304–305, 313**TTL**, *see* Time to Live**U****UDP**, *see* User Datagram Protocol (UDP)**Uniform Resource Indicator (URI)** 2,  
21**Universal Access (UA)** 362–363, 368**untyped** 112, 123, 124**uploading** 7, 25, 50, 267–269**URI**, *see* Uniform Resource Indicator (URI)

**URL** 11, 12, 14, 17, 21, 25, 33, 136

**User Datagram Protocol (UDP)** 5, 20

## V

**validate** 109, 141, 145, 295

**VBScript** 108, 341, 346

**virus** 305–309, 313, 362

## W

**W3C** 3, 26, 52–54

**WAP**, *see* Wireless Application Protocol  
(WAP)

**Web feed** 201–209, 212

**Web log** 209, 210

**Web page** 11–14

dynamic, 123

static, 124

**Web service** 197–210, 212

**Wiki** 364, 367, 368

**wireless** 219, 298, 363, 366

**Wireless Application Protocol (WAP)**  
286–287, 295, 368

**Wireless Markup Language (WML)**

286–287, 295

**WML**, *see* Wireless Markup Language (WML)

**World Wide Web (WWW)** 1–19

**worm** 305–309, 313

**WWW**, *see* World Wide Web (WWW)

## X

**XAMPP** 218

**XHTML**, *see* Extensible HyperText Markup  
Language

**XML**, *see* Extensible Markup Language

**XPath** 184, 185, 189, 193

**XSL** 183–195

**XSL:FO** 184, 196

**XSL Transformations (XSLT)**

183–195

**XSLT**, *see* XSL Transformations (XSLT)

## Z

**Z-index** 98–99, 104

**zombie computer** 301, 307, 313