**Programming Web Applications with Go**

A Playground, a place to play with Go Programming for the Web

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# Overview

Purpose and Motivation: First, to explore Go Web Programming in its most native and raw sense and, then to explore the Frameworks and foundational elements that have been created to serve this end goal, the end goal of doing full-stack web programming in the Go Language.

# Go Web Related APIs

## net/http

### Constants

const (

MethodGet = "GET"

MethodHead = "HEAD"

MethodPost = "POST"

MethodPut = "PUT"

MethodPatch = "PATCH" // RFC 5789

MethodDelete = "DELETE"

MethodConnect = "CONNECT"

MethodOptions = "OPTIONS"

MethodTrace = "TRACE"

)

const (

StatusContinue = 100 // RFC 7231, 6.2.1

StatusSwitchingProtocols = 101 // RFC 7231, 6.2.2

StatusProcessing = 102 // RFC 2518, 10.1

StatusOK = 200 // RFC 7231, 6.3.1

StatusCreated = 201 // RFC 7231, 6.3.2

StatusAccepted = 202 // RFC 7231, 6.3.3

StatusNonAuthoritativeInfo = 203 // RFC 7231, 6.3.4

StatusNoContent = 204 // RFC 7231, 6.3.5

StatusResetContent = 205 // RFC 7231, 6.3.6

StatusPartialContent = 206 // RFC 7233, 4.1

StatusMultiStatus = 207 // RFC 4918, 11.1

StatusAlreadyReported = 208 // RFC 5842, 7.1

StatusIMUsed = 226 // RFC 3229, 10.4.1

StatusMultipleChoices = 300 // RFC 7231, 6.4.1

StatusMovedPermanently = 301 // RFC 7231, 6.4.2

StatusFound = 302 // RFC 7231, 6.4.3

StatusSeeOther = 303 // RFC 7231, 6.4.4

StatusNotModified = 304 // RFC 7232, 4.1

StatusUseProxy = 305 // RFC 7231, 6.4.5

StatusTemporaryRedirect = 307 // RFC 7231, 6.4.7

StatusPermanentRedirect = 308 // RFC 7538, 3

StatusBadRequest = 400 // RFC 7231, 6.5.1

StatusUnauthorized = 401 // RFC 7235, 3.1

StatusPaymentRequired = 402 // RFC 7231, 6.5.2

StatusForbidden = 403 // RFC 7231, 6.5.3

StatusNotFound = 404 // RFC 7231, 6.5.4

StatusMethodNotAllowed = 405 // RFC 7231, 6.5.5

StatusNotAcceptable = 406 // RFC 7231, 6.5.6

StatusProxyAuthRequired = 407 // RFC 7235, 3.2

StatusRequestTimeout = 408 // RFC 7231, 6.5.7

StatusConflict = 409 // RFC 7231, 6.5.8

StatusGone = 410 // RFC 7231, 6.5.9

StatusLengthRequired = 411 // RFC 7231, 6.5.10

StatusPreconditionFailed = 412 // RFC 7232, 4.2

StatusRequestEntityTooLarge = 413 // RFC 7231, 6.5.11

StatusRequestURITooLong = 414 // RFC 7231, 6.5.12

StatusUnsupportedMediaType = 415 // RFC 7231, 6.5.13

StatusRequestedRangeNotSatisfiable = 416 // RFC 7233, 4.4

StatusExpectationFailed = 417 // RFC 7231, 6.5.14

StatusTeapot = 418 // RFC 7168, 2.3.3

StatusUnprocessableEntity = 422 // RFC 4918, 11.2

StatusLocked = 423 // RFC 4918, 11.3

StatusFailedDependency = 424 // RFC 4918, 11.4

StatusUpgradeRequired = 426 // RFC 7231, 6.5.15

StatusPreconditionRequired = 428 // RFC 6585, 3

StatusTooManyRequests = 429 // RFC 6585, 4

StatusRequestHeaderFieldsTooLarge = 431 // RFC 6585, 5

StatusUnavailableForLegalReasons = 451 // RFC 7725, 3

StatusInternalServerError = 500 // RFC 7231, 6.6.1

StatusNotImplemented = 501 // RFC 7231, 6.6.2

StatusBadGateway = 502 // RFC 7231, 6.6.3

StatusServiceUnavailable = 503 // RFC 7231, 6.6.4

StatusGatewayTimeout = 504 // RFC 7231, 6.6.5

StatusHTTPVersionNotSupported = 505 // RFC 7231, 6.6.6

StatusVariantAlsoNegotiates = 506 // RFC 2295, 8.1

StatusInsufficientStorage = 507 // RFC 4918, 11.5

StatusLoopDetected = 508 // RFC 5842, 7.2

StatusNotExtended = 510 // RFC 2774, 7

StatusNetworkAuthenticationRequired = 511 // RFC 6585, 6

)

const DefaultMaxHeaderBytes = 1 << 20 // 1 MB

const DefaultMaxIdleConnsPerHost = 2

const TimeFormat = "Mon, 02 Jan 2006 15:04:05 GMT"

# Go Programming Techniques, Tricks, and Recipes for the Web

Cookies

Session Cookies

Persistent Cookies

Super Cookies

Third-Party Cookies

Zombie Cookies

# Frameworks created in Go for Web Programming

A list of Web Programming Frameworks in Go:

* Full Stack Web Frameworks
  + Alien
  + Beego
  + Bone
  + Buffalo
  + Bxog
  + Chi
  + Echo
  + FastHttpRouter
  + Fireball
  + Florest
  + Gem
  + Gin
  + Gizmo
  + Glue
  + Go-JSON-REST
  + Go-Kit
  + Go-Relax
  + Go-Rest
  + Go-Socket.io
  + Goa
  + Goat
  + Gocraft/web
  + Goji
  + Golf
  + Golongpoll
  + Gondola
  + Gongular
  + Goose
  + Gorilla
  + HttpRouter
  + HttpTreeMux
  + Lars
  + Macaron
  + Mango
  + Medeina
  + MicroService
  + Mux
  + Neo
  + Ozzo-Routing
  + Pat
  + Resoursea
  + REST Layer
  + Revel
  + Rex
  + Sawsij
  + Session
  + Siesta
  + Tango
  + TigerTonic
  + Traffic
  + Utron
  + VarHandler
  + Vestigo
  + Volatile
  + Xmux
  + YARF
  + Zerver
  + Zeus
* Middelware Frameworks
  + Middleware Frameworks
    - CORS
    - formJSON
    - limiter
    - tollbooth
    - XFF
  + Libraries for Creating Middlewares
    - Alice
    - Catena
    - Chain
    - Go-wrap
    - Gores
    - Interpose
    - Muxchain
    - Negroni
    - Render
    - Rye
    - Stats