

Golang

Web Services



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IAM and Collaboration Space

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Presentation

- Go Packages
 - `net/http`
 - `net/url`
 - `encoding/json`
 - `templating`
- External Packages (middleware)
 - `github.com/gorilla`
 - `github.com/urfave/negroni`

Presentation

- Demo Recipes
 - Simple static resource server
 - Simple Reverse Proxy
 - Simple Mock Service
- Live Code Quote API

Package - net/http

<https://golang.org/pkg/net/http/>

- [Server](#)
- [ServeMux](#)
- [ResponseWriter](#) (I)
- [Request](#)
- [Handler](#) (I)
- [HandlerFunc](#)

Package - net/url

<https://golang.org/pkg/net/url/>

- [URL](#)
- [Values](#)

Package - encoding/json

<https://golang.org/pkg/encoding/json/>

- [Encoder](#)
- [Decoder](#)
- [Marshal](#)
- [Unmarshal](#)

Package -template

<https://golang.org/pkg/text/template/>

<https://golang.org/pkg/html/template/>

Demo: Simple File(Directory) Server

As a client side developer you may want to locally serve your working copy as you develop against an api

Demo: Simple Reverse Proxy

Perhaps someone forgot to include CORS headers, maybe you want to do some logging/troubleshooting, or maybe you want to offer an auth layer

See <https://golang.org/pkg/net/http/httputil>

Demo: Simple Mock Service

You may want to provide a mock service to stand in for the real thing while prototyping, dev'ing, or testing.

Live Coding: Quote API

A simple web frontend that allows users to submit quotes, that other users can vote on. The api should support:

- Submitting a quote (email and quote)
- Getting a list of all quotes (email, quote, and vote count)
- Voting for a particular quote