

Building APIs using Go

Elton Minetto

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This is my approach

based on other projects...

No frameworks!

Stdlib + small pieces

- github.com/asaskevich/govalidator
- github.com/codegangsta/negroni
- github.com/go-sql-driver/mysql
- github.com/gorilla/mux
- github.com/joho/godotenv
- gopkg.in/gorp.v1
- github.com/rubenv/sql-migrate

- └─ api
 - └─ handler
 - go company.go
 - go user.go
 - go main.go
 - bin
 - * api
 - * cli
 - cli
 - go.test.sh
 - cmd
 - go main.go
 - config
 - dbconfig.yml
 - * dev.env
 - * production.env
 - * testing.env
 - doc
 - migrations
 - pkg
 - company
 - middleware
 - mysql
 - user
 - vendor
 - .gitignore
 - coverage.txt
 - docker-compose.yml
 - * Gopkg.lock
 - * Gopkg.toml
 - Makefile
 - README.md

Project structure

```
└─ pkg
  └─ company
  └─ middleware
      go Cors.go
      go isAuthenticated.go
  └─ mysql
  └─ user
      go mysql.go
      go user_test.go
      go user.go
```

pkg

user/

user.go (structs and service interface)

user_test.go (tests)

mysql.go (implementation of the service interface)

middleware/

Cors.go -> add cors headers

isAuthenticated.go -> request authentication

api

handler/

user.go (define routes, handler implementation)

main.go (act as a dependency injection container)

```
└─ api
  └─ handler
    go company.go
    go user.go
  go main.go
```


cmd
go main.go


cmd

bin
* api
* cli


bin

```
└─ config
  └─ dbconfig.yml
  * dev.env
  * production.env
  * testing.env
```

config

▲  doc

* api.apib

 index.html

 README.md

doc

▲ migrations

↵ 20171103095219-user.sql

↵ 20171103095223-company.sql

migrations

```
▶ vendor
.gitignore
coverage.txt
docker-compose.yml
* Gopkg.lock
* Gopkg.toml
{} Makefile
README.md
```

vendor (e other files)

Links

<https://github.com/eminetto/go-web-skel>

Desenvolvendo APIs em Go usando Middlewares

Definindo APIs com o API Blueprint

Gerenciando dependências em Golang

Contato

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