

Именованение и организация пакетов в GO

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57



- Package Naming
- Package Organization

Antipatterns



1398



1399


1400




 `func SuperGodFunc() {`

..		
config_generator	Golint fix config (#13544)	2 months ago
README.md	MM-13893: Introduce file store (#10243)	13 months ago
client.go	Golint fix config (#13544)	2 months ago
client_test.go	Golint fix config (#13544)	2 months ago
common.go	MM-21285: Remove environment overrides before config broadcast (#13527)	2 months ago
common_test.go	MM-21285: Remove environment overrides before config broadcast (#13527)	2 months ago
database.go	Switch to Postgres when running tests and turn off the fsync setting (#...	21 days ago
database_test.go	Switch to Postgres when running tests and turn off the fsync setting (#...	21 days ago
default.go	Consistent license message for all the go files (#13235)	3 months ago
default_test.go	Consistent license message for all the go files (#13235)	3 months ago
emitter.go	Consistent license message for all the go files (#13235)	3 months ago
emitter_test.go	Consistent license message for all the go files (#13235)	3 months ago
environment.go	Consistent license message for all the go files (#13235)	3 months ago
export_test.go	Consistent license message for all the go files (#13235)	3 months ago
file.go	Golint fix config (#13544)	2 months ago
file_test.go	[MM-21119] Update config files permissions (#13386)	3 months ago
main_test.go	Switch to Postgres when running tests and turn off the fsync setting (#...	21 days ago
memory.go	Golint fix config (#13544)	2 months ago
memory_test.go	Consistent license message for all the go files (#13235)	3 months ago
migrate.go	Golint fix config (#13544)	2 months ago
migrate_test.go	Passing t to all tests setup functions (#13841)	17 days ago
store.go	MM-21285: Remove environment overrides before config broadcast (#13527)	2 months ago
store_test.go	Passing t to all tests setup functions (#13841)	17 days ago
unmarshal.go	Consistent license message for all the go files (#13235)	3 months ago
unmarshal_test.go	Consistent license message for all the go files (#13235)	3 months ago
utils.go	Consistent license message for all the go files (#13235)	3 months ago
utils_test.go	Golint fix config (#13544)	2 months ago
watcher.go	Consistent license message for all the go files (#13235)	3 months ago
watcher_test.go	Remove remaining t.Fatal from the codebase (#13876)	14 days ago

▼  package1
  package1.go

▼  package2
  package2.go

▶  unicode

- ▼  unicode
 - ▶  utf8
 - ▶  utf16





Good Package Names vs Bad Package Names


General Names

▶  common


▶  defaults











 item_aggregator

▶  primarydatabase

 responsepatcher


▶  utils


 main.go


- ▼  converter
 - ▶  messages
 - ▶  time
- ▶  inventory
- ▼  mongo
 -  chats.go
 -  messages.go
 -  users.go
- ▶  throttler
-  main.go


Long Names

▶  common


▶  defaults











 item_aggregator

▶  primarydatabase

 responsepatcher

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- ▼  mongo
 -  chats.go
 -  messages.go
 -  users.go
- ▶  throttler
 -  main.go

Stutter Names

```
package chat
```

```
type ChatService struct {}
```





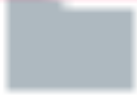


```
type Service struct {}
```











- Domain Types

- Services

- ChatService
- MessageService
- BlacklistService
- UserStorage

- ▼ folder converter
- ▶ folder messages
- ▶ folder time
- ▶ folder inventory
- ▼ folder mongo
 - 🐙 chats.go
 - 🐙 messages.go
 - 🐙 users.go
- ▶ folder throttler
 - 🐙 main.go

- ▶  common
- ▶  defaults
-  item_aggregator
- ▶  primarydatabase
-  responsepatcher
- ▶  utils
-  main.go

- ▼  converter
- ▶  messages
- ▶  time
- ▶  inventory
- ▼  mongo
 -  chats.go
 -  messages.go
 -  users.go
- ▶  throttler
-  main.go

Layers vs Folders

- избегать `utils`, `commons`, `helper`
- использовать короткие имена пакетов
- `domain types` и их поведение должны быть на самом верхнем уровне в корне проекта
- имплементация в отдельном пакете

- **Ashley McNamara + Brian Ketelsen. Go best practices.**
<https://youtu.be/MzTcsl6tn-0>
- **Standard Package Layout.**
<https://medium.com/@benbjohnson/standard-package-layout-7cdbc8391fc1>
- **How Do You Structure Your Go Apps?**
<https://youtu.be/QtK9FFOoT5M>
- <https://github.com/golang-standards/project-layout>

Спасибо!

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