

Workshop



https://github.com/up1/ course-go-2021



Workshop 01



Requirements



Requirements

Command line tool Manage user in JSON file



1. Add data

\$task add name=somkiat age=40



2. List all users (read from file)

\$task list

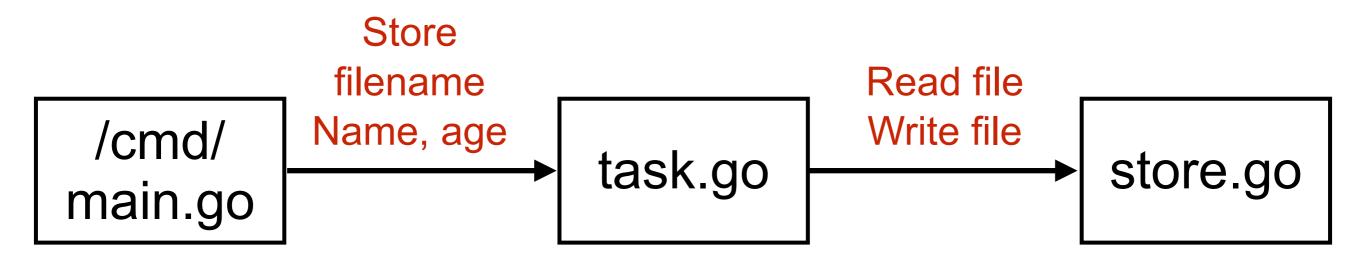


Design

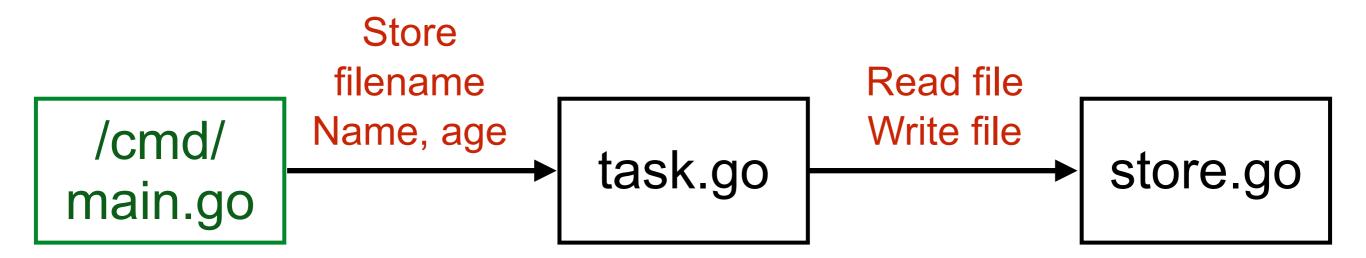


```
cmd
main.go
go.mod
store.go
task.go
```









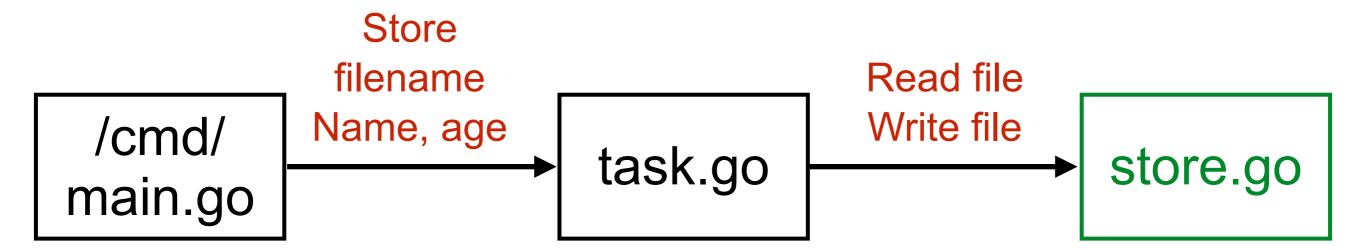
Parser input from command line





Manage flow of process





Manage data with file system



Develop



Hello Go

\$go version



Testing



Testable?

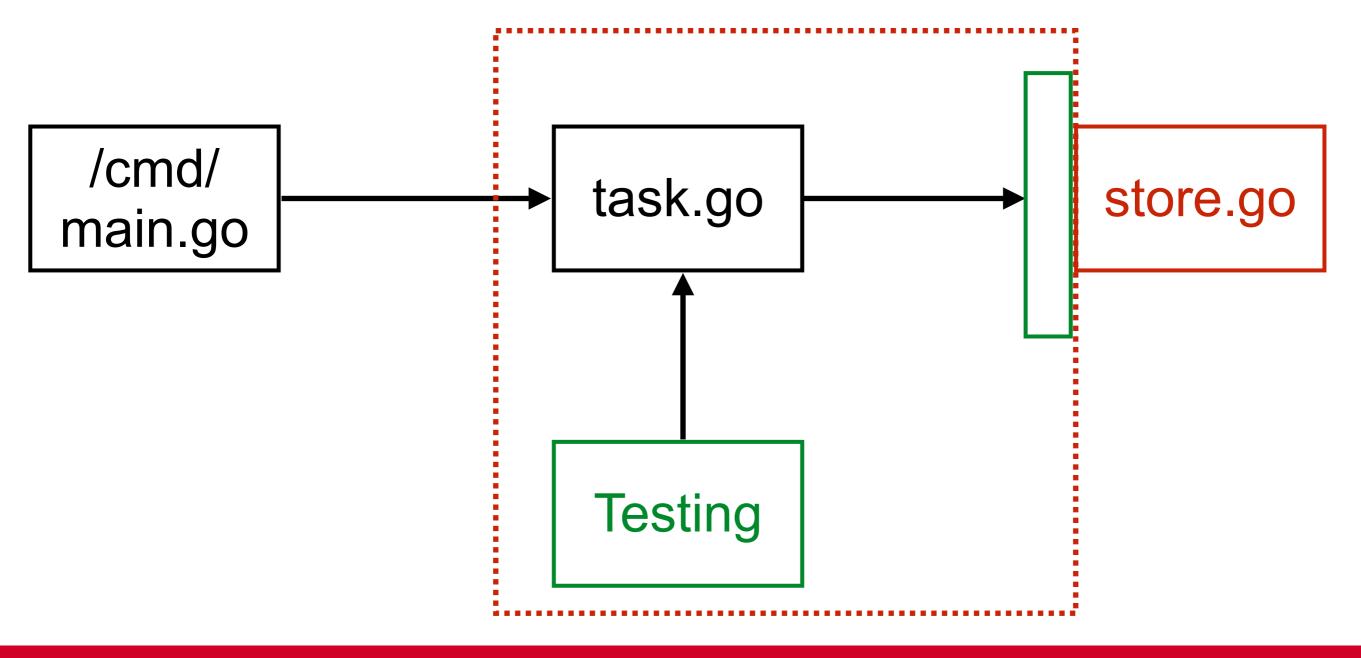


Problem working with file system



Testable?

Working with interface





Working with Testify

Easy assertions
Mocking
Test suite

https://github.com/stretchr/testify

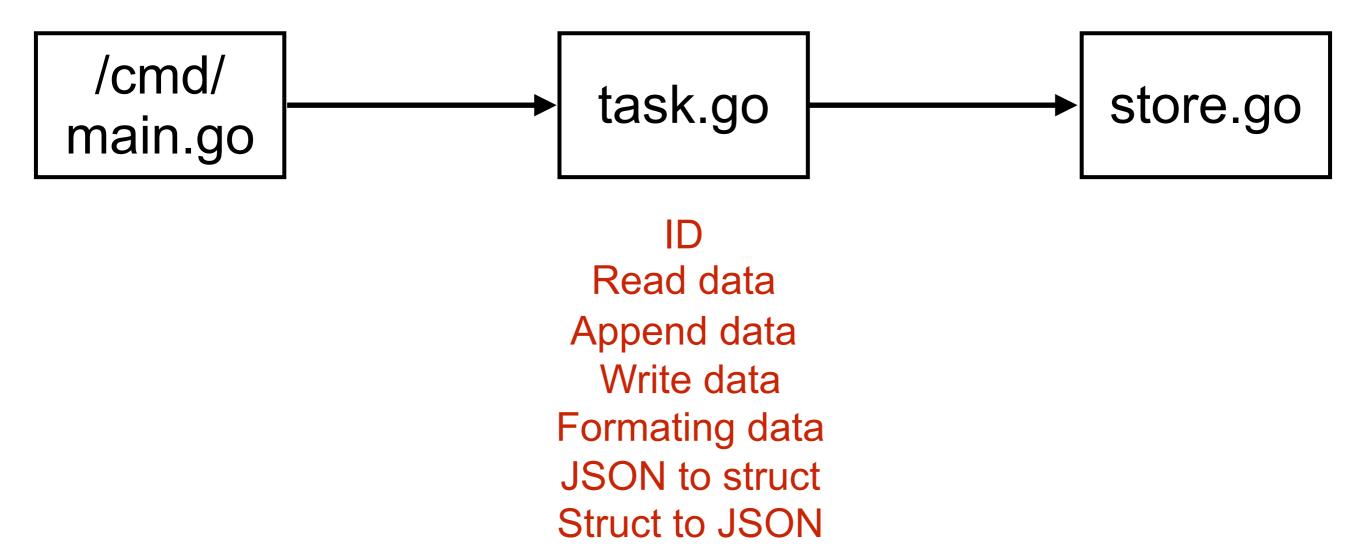


Refactoring



Refactoring

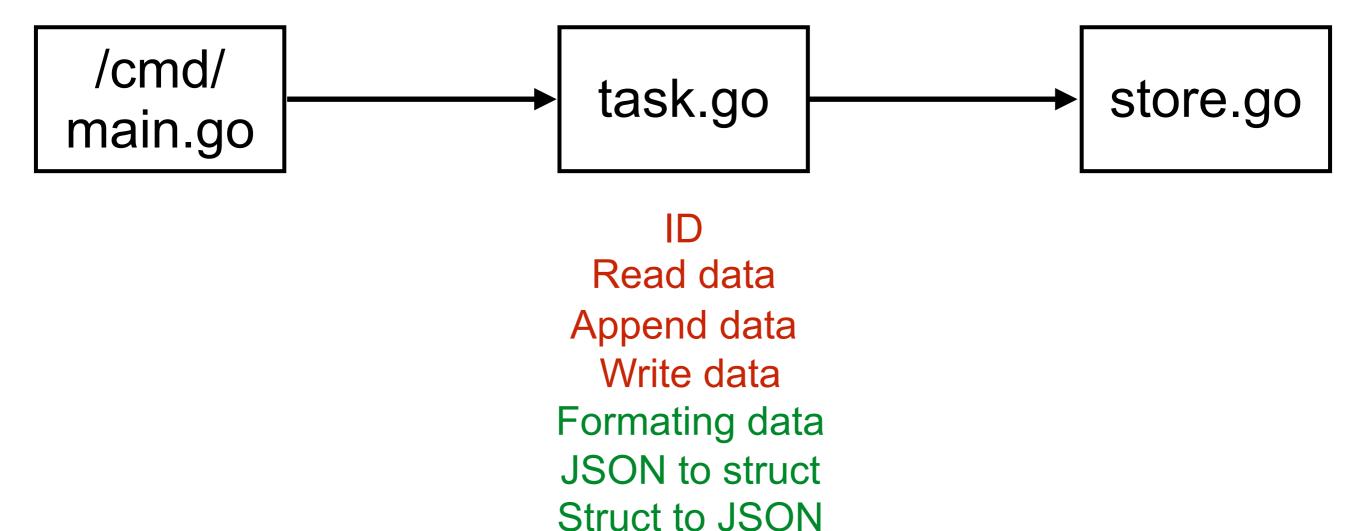
Focus on responsibilities





Refactoring

Focus on responsibilities





Workshop 02



Requirements



Requirements

Develop REST API with Gin Working with MongoDB Testable structure **Testing** Monitoring with prometheus Swagger Working with Docker



1. Add new user

POST /users

```
Body
{
    "name": "somkiat",
    "age": 40
}
```

Response code = 201



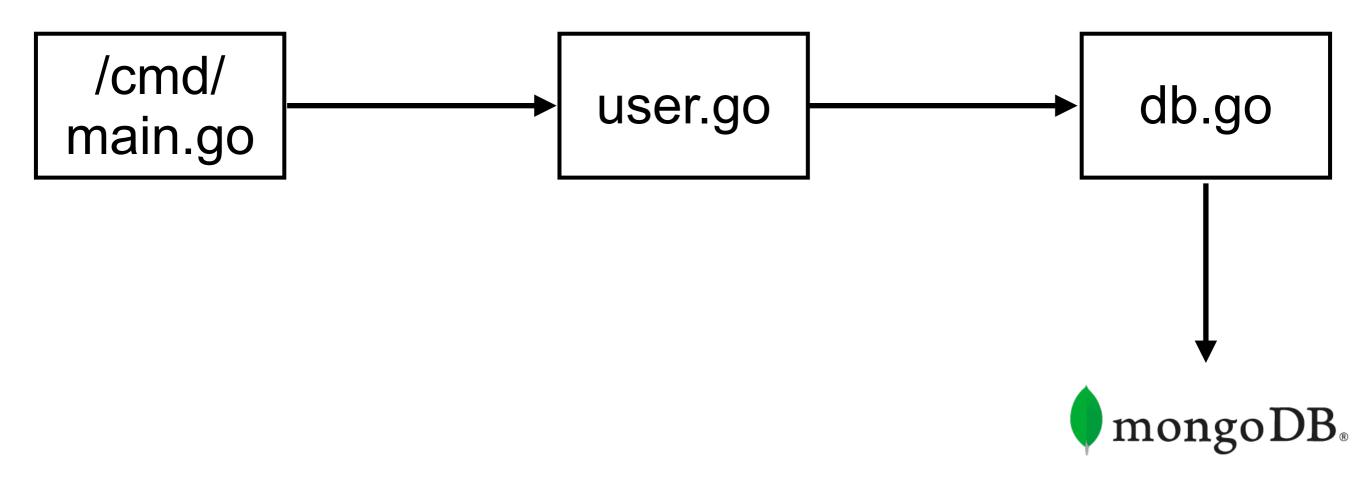
2. List all users (read from file)

GET /users

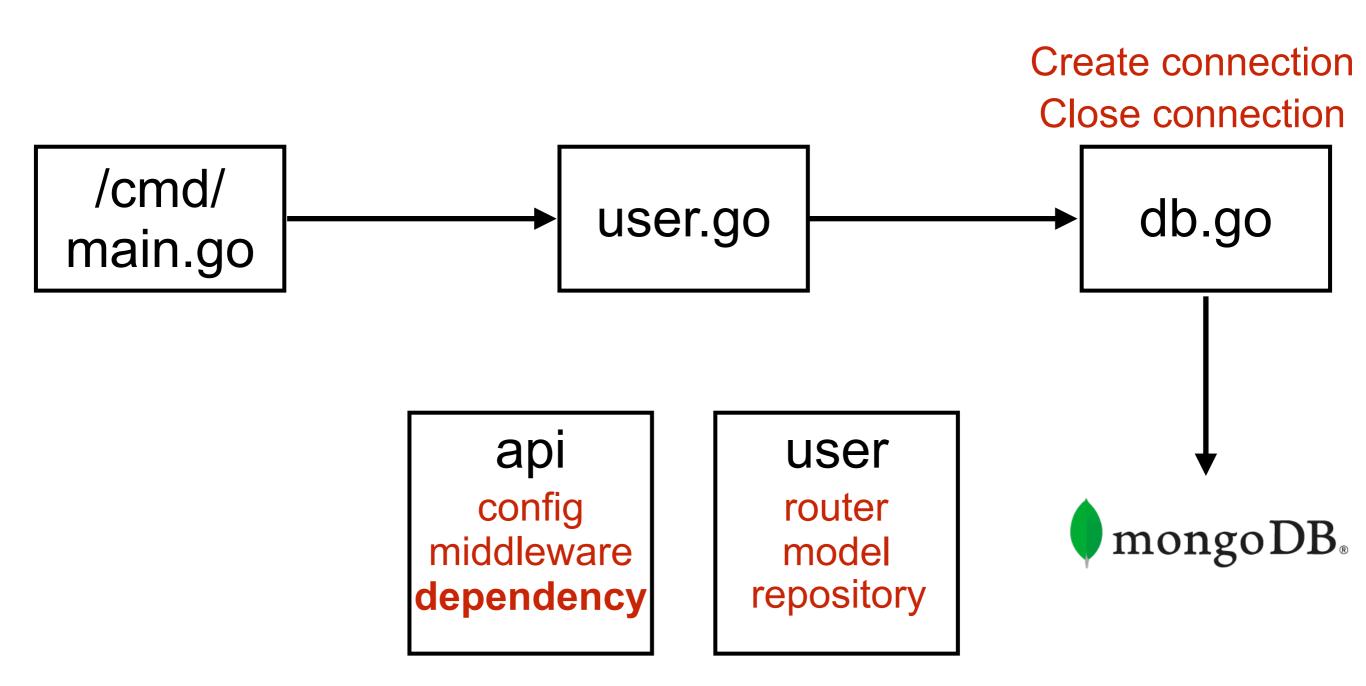
```
Response code = 200
```













Dependency Injection

