

Homework

Target & Expectation

- candidate tech stack
 - catch-up common lib we are using
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Spec design (very beginner: ~1 week, familiar: 2~3 day)

- RESTful (JSON format) API
- mongoDB basic operation
- code push to github with proper commit
- use below golang libs
 - HTTP framework: <https://github.com/gin-gonic/gin>
 - Config: <https://github.com/spf13/viper>
 - mongo driver: <https://github.com/mongodb/mongo-go-driver>
 - cobra: command line tools <https://github.com/spf13/cobra>
- Spec
 - commit #1 setup project
 - commit #2 Makefile or a script for local setup and run MongoDB docker (version: 4.4)
 - commit #3 setup necessary config of LINE, MongoDB
 - Line official account message integration (use go line sdk),
 - Create a test line dev official account
 - commit #4 Create a Go package connect to mongoDB, create a model/DTO to save/query user message to MongoDB
 - commit #5 Create a Gin API
 - receive message from line webhook, save the user info and message in MongoDB
 - (Hint: using ngrok for local test to generate a https endpoint)
 - commit #6 Create a API send message back to line
 - commit #7 Create a API query message list of the user from MongoDB
 - provide a demo video or steps of test (or postman or ...)
 - : github repo link //README.md

Reference

- golang basic
 - golang official tutorial <https://tour.golang.org/welcome/1>
- development tool
 - git basic
 - postman
 - ngrok
 - third-party integration (Line <https://developers.line.biz/en/docs/>)
 - mongoDB, GUI (robo3T, studio3T)
 - docker