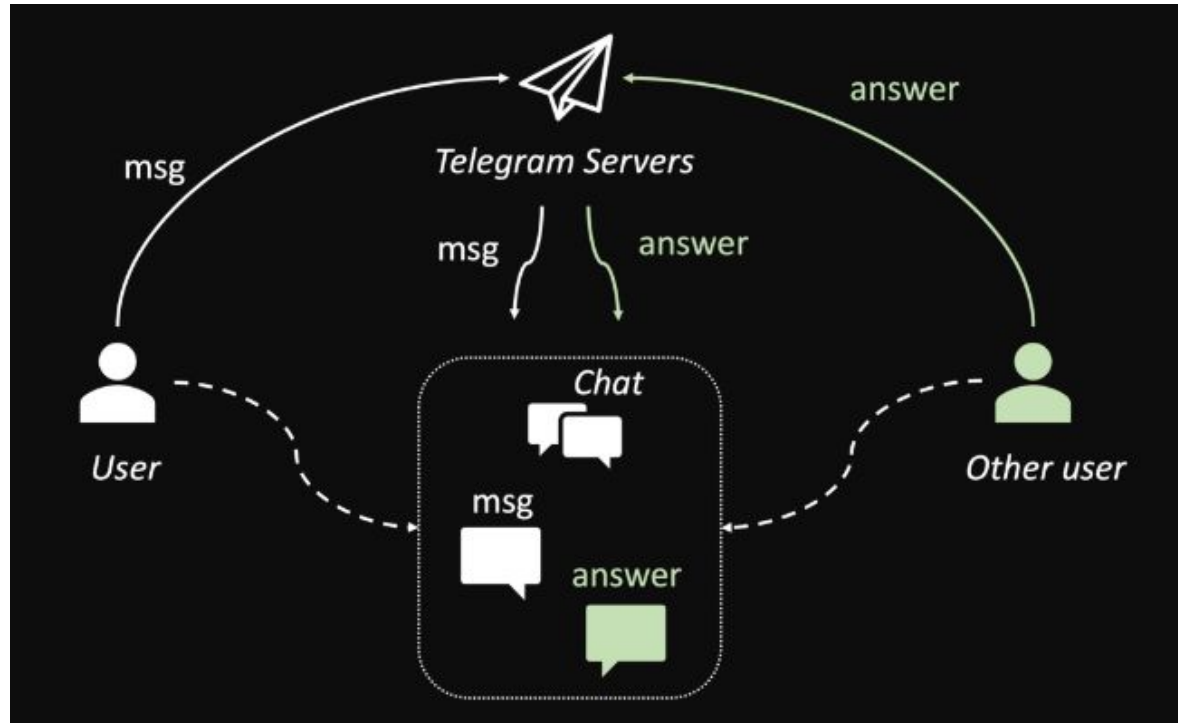

Chatbot Telegram

— - telegram-bot-api/v5 - —

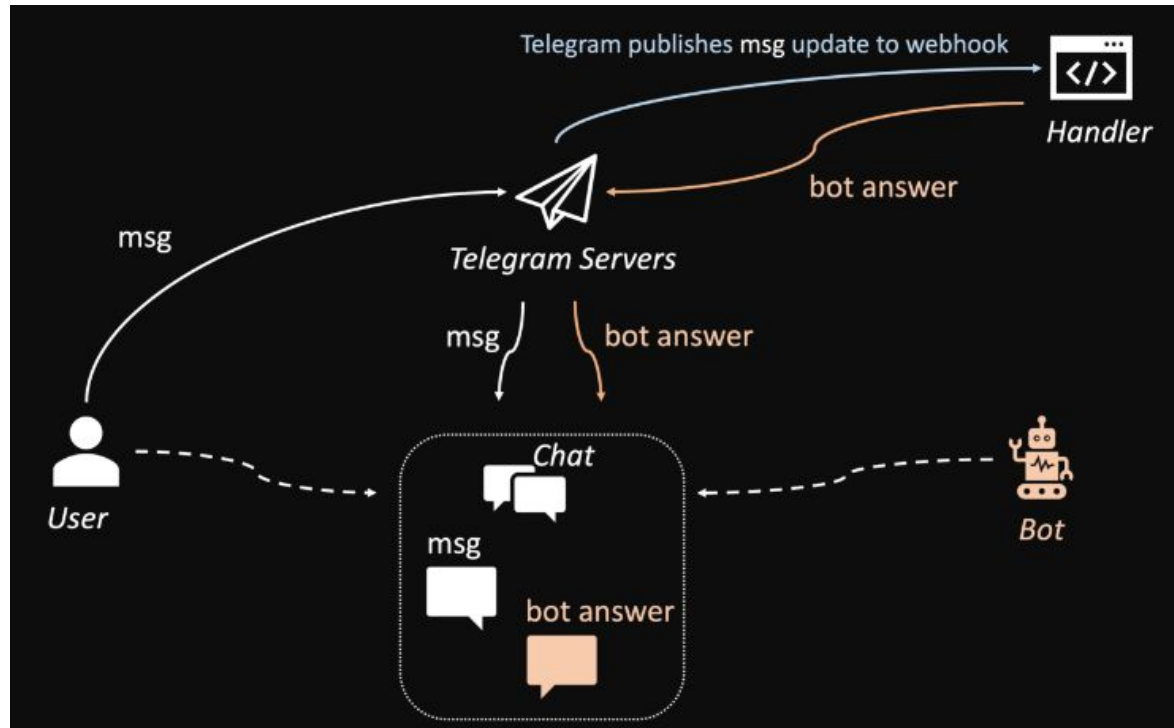
Flow

- Telegram is a cloud-based messaging service

Flow user - user



Flow user - bot



webhook

- Web callback / HTTP push API

server-side  real time  client-side

URL webhook

↓
Dễ bị tấn công & chỉnh sửa

→ Cơ chế xác thực

→ Basic Auth

→ Digital Signature

◆ Provider **sign** các request gửi tới Client

◆ Client sẽ xác minh các **signature**

BotFather

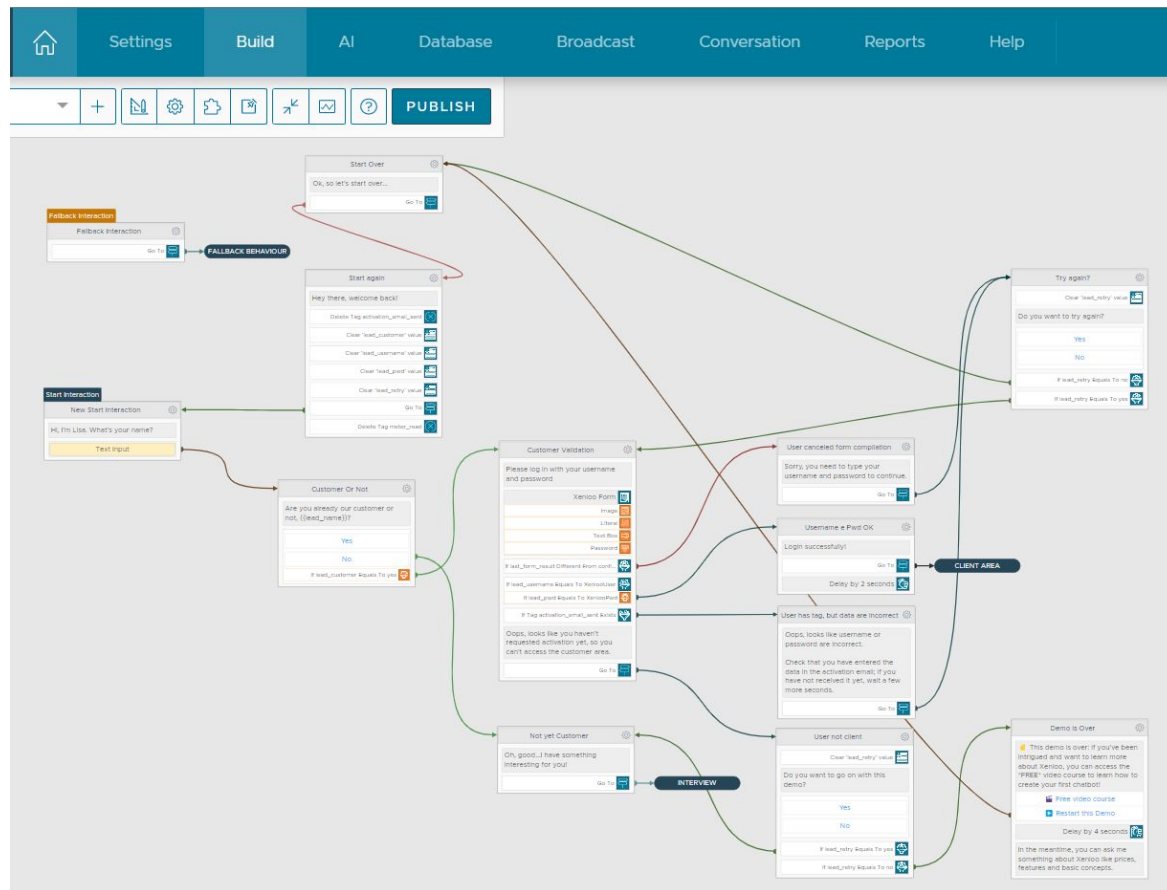
BotFather



Chatbot Builder

Chatbot builder

xenioo



Chatbot builder

×

AVAILABLE ACTIONS

Content

Cards

Flow

Input

Forms


IoT

Database


Profile

Privacy


Integration

**Text**


This is the most common text action. The bot will say the specified text to the user in a chat bubble.

**Random Text**

This text action will pick random line of text from a list. The line will be picked randomly for each user and for the same user, if the interaction is repeated.


**Quick Reply Button**

Use this action to display a single quick reply button. The button can be used to redirect the user to another interaction as well as to execute multiple operations.

**Array of Quick Reply Buttons**

This action will display multiple quick reply buttons with a common interaction target. Use this action when you want to give the user multiple choices but you need to redirect the flow to a common interaction like, for example, when creating a survey.

Premium

**Database Quick Reply Buttons**

Use this action to create multiple buttons that are dynamically generated by the contents of a Xenioo Database Collection

HELP

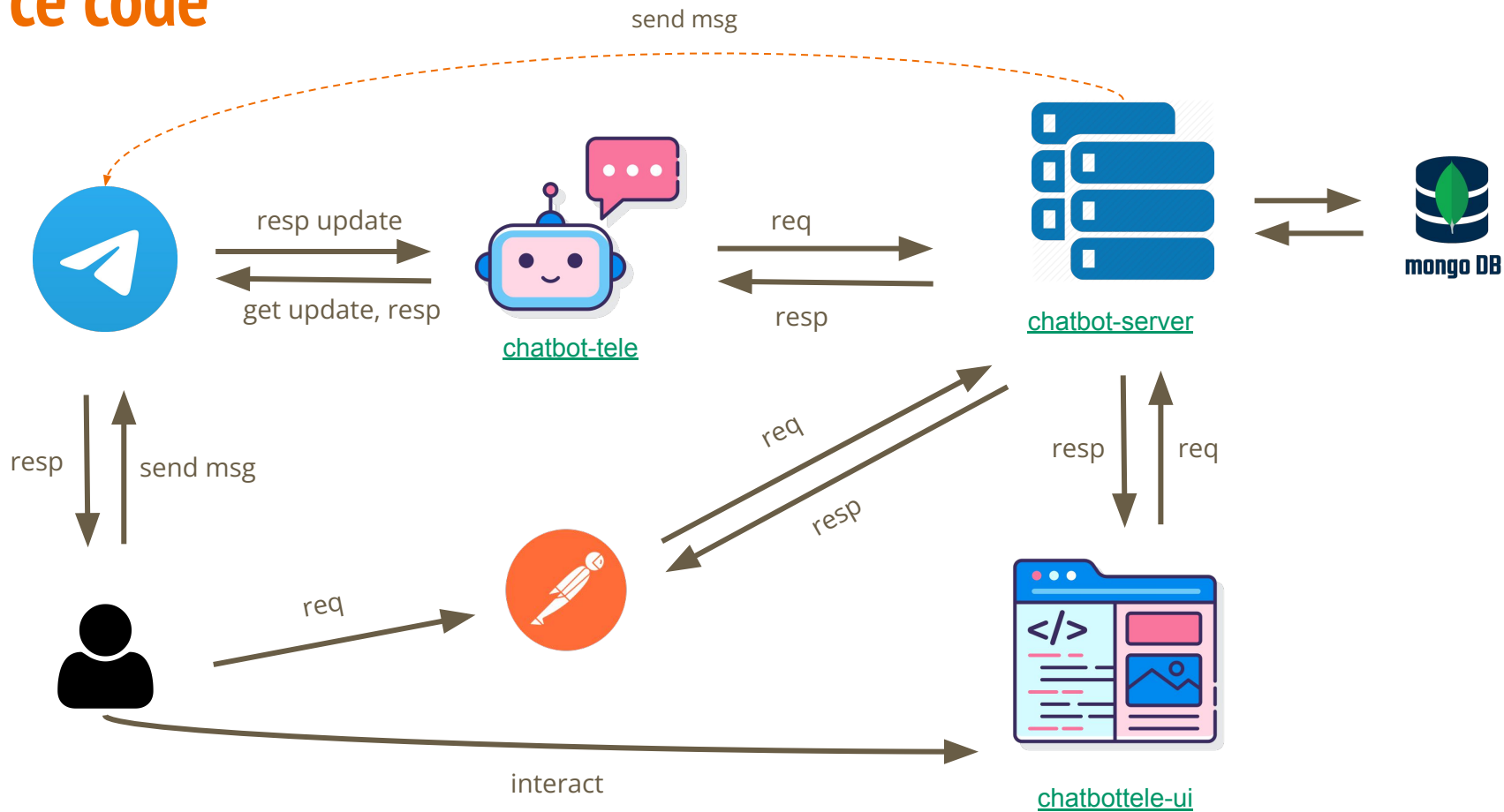
CANCEL



Coding



Source code



URL



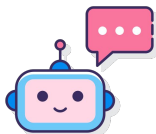
chatbottele-ui

<https://chatbotteleui.vercel.app>



chatbot-server

<https://chatbot-tele-server.herokuapp.com>



chatbot-tele

localhost

Lib

<https://core.telegram.org/bots/api>

<https://pkg.go.dev/github.com/go-telegram-bot-api/telegram-bot-api/v5>

```
// Telegram constants
const (
    // APIEndpoint is the endpoint for all API methods,
    // with formatting for Sprintf.
    APIEndpoint = "https://api.telegram.org/bot%s/%s"
    // FileEndpoint is the endpoint for downloading a file from Telegram.
    FileEndpoint = "https://api.telegram.org/file/bot%s/%s"
)
```

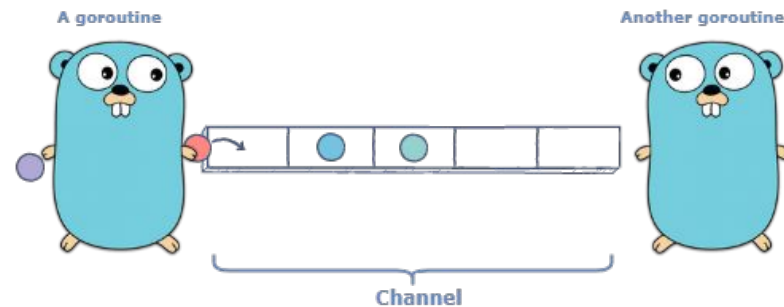
Struct

message

- chat_id
- message_id

chattable

- bot.Send()
 - bot.Request()
- }] message



Main Handler

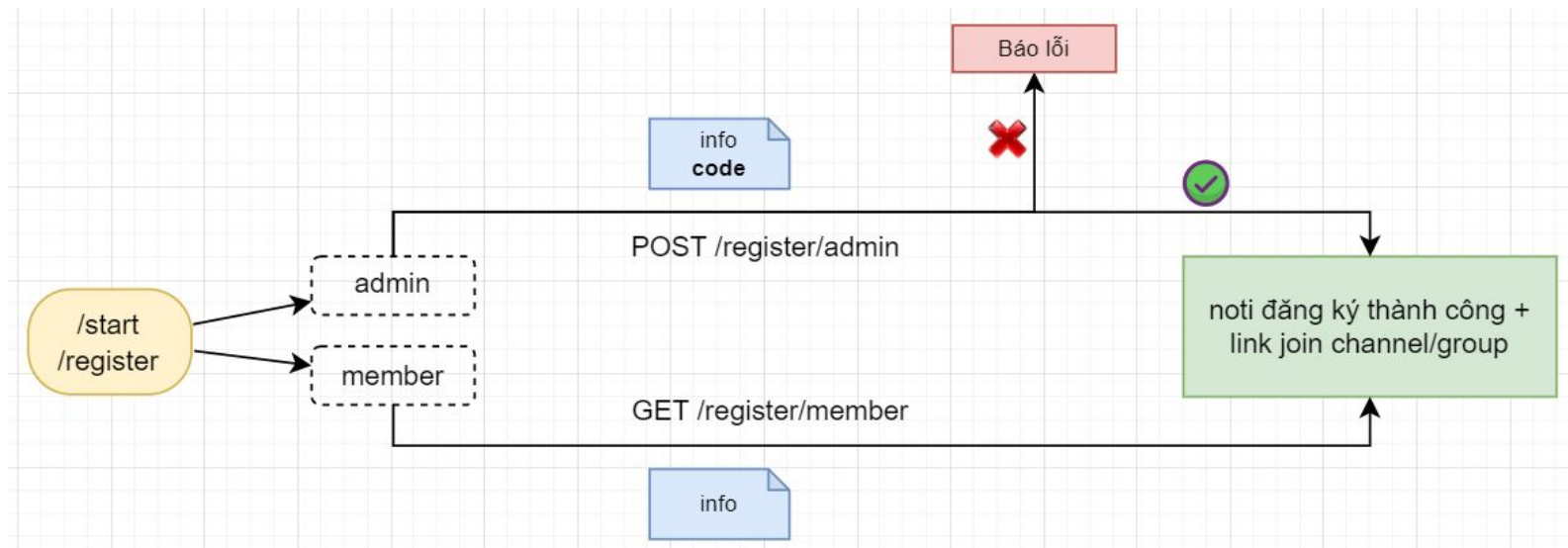
- Text
- Command
- Inline Query *
- CallbackQuery

Approach

- Unit test
- Other language: python ...

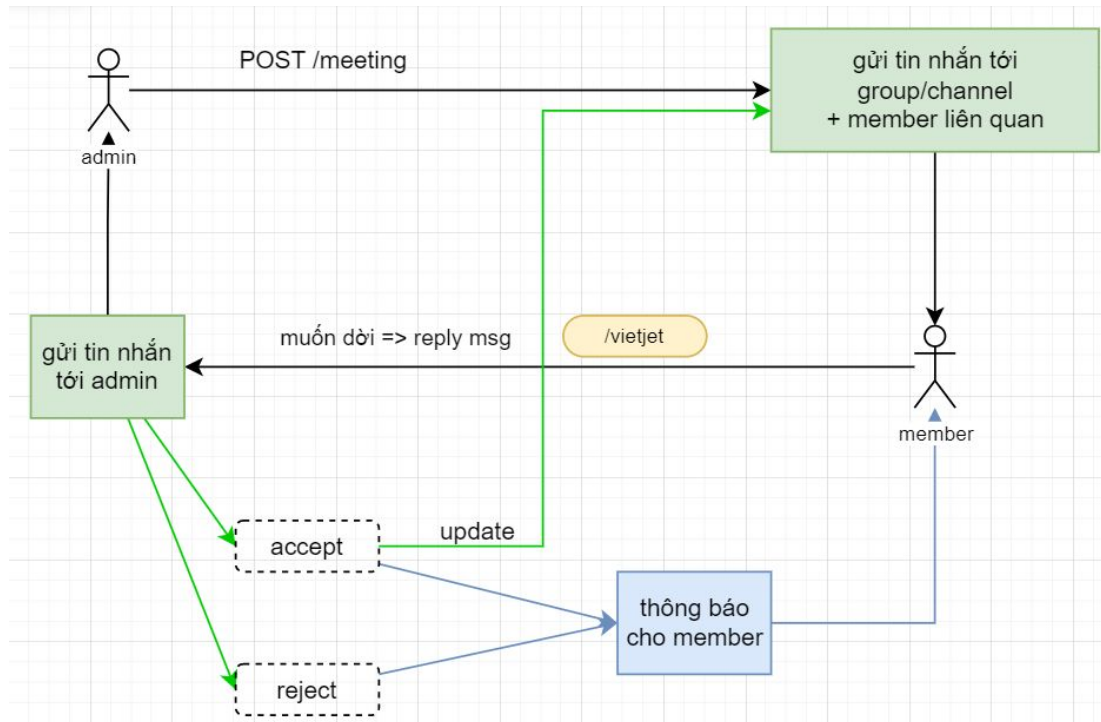
Đăng ký

- NewInlineKeyboardMarkup
- Command
- EditMessage
- Mobile
- Desktop → URL schema



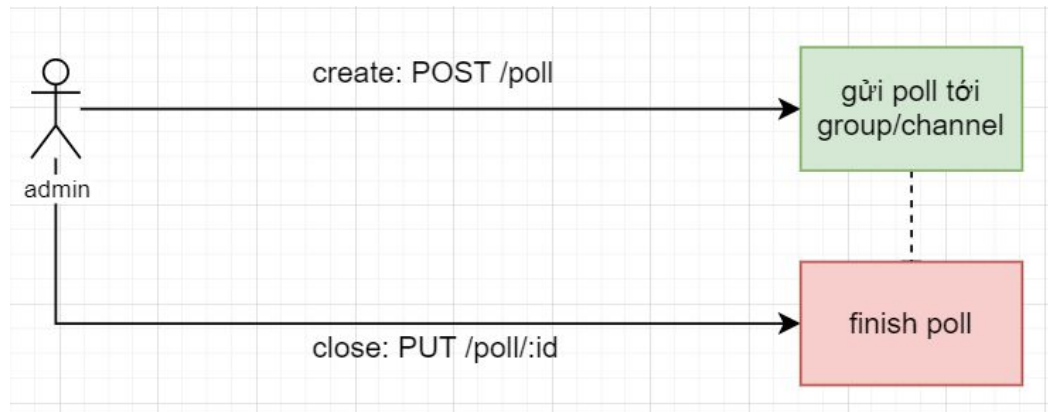
Meeting

- Forward message
- Message mode **HTML**
- Venue



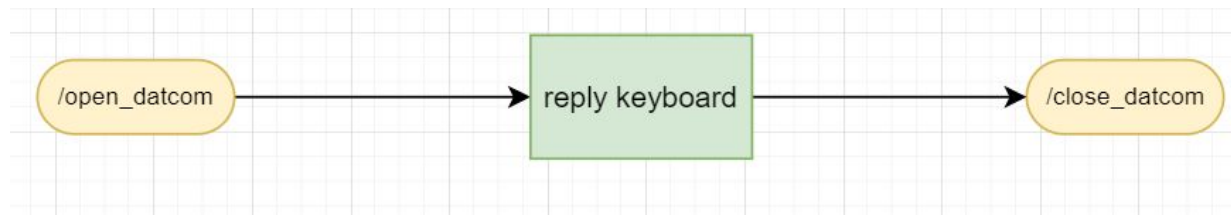
poll

- Poll
- StopPoll



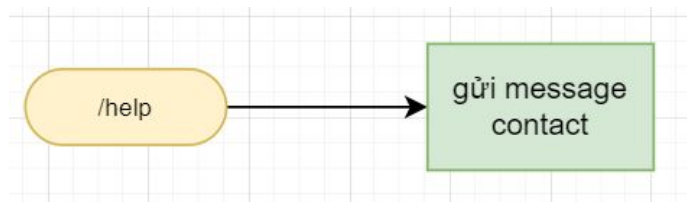
datcom

- ReplyKeyboard



help

- Contact message



Other type

- Video
- File
- Image
- Sticker

→ File local
→ File existed in Telegram
◆ file_id

- **Payment** (demo)

Q&A