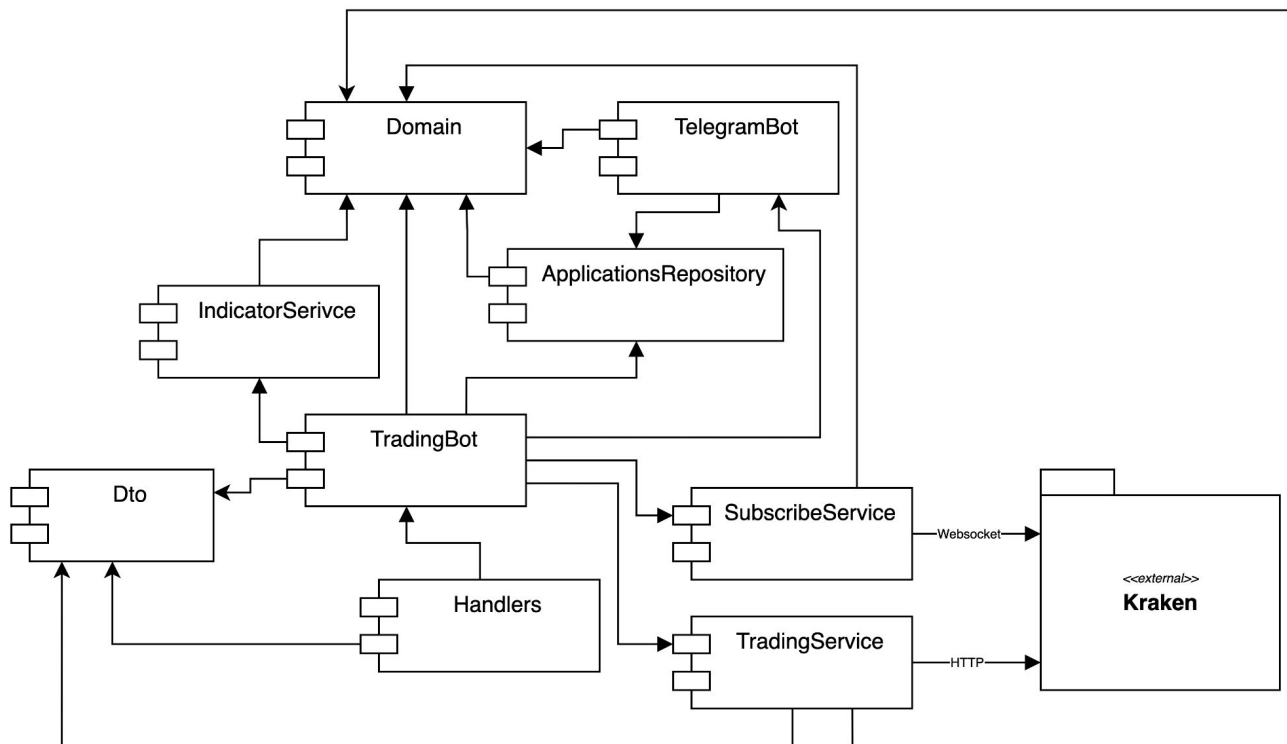# Курсовой проект по курсу
Golang-разработчик, осень 2021
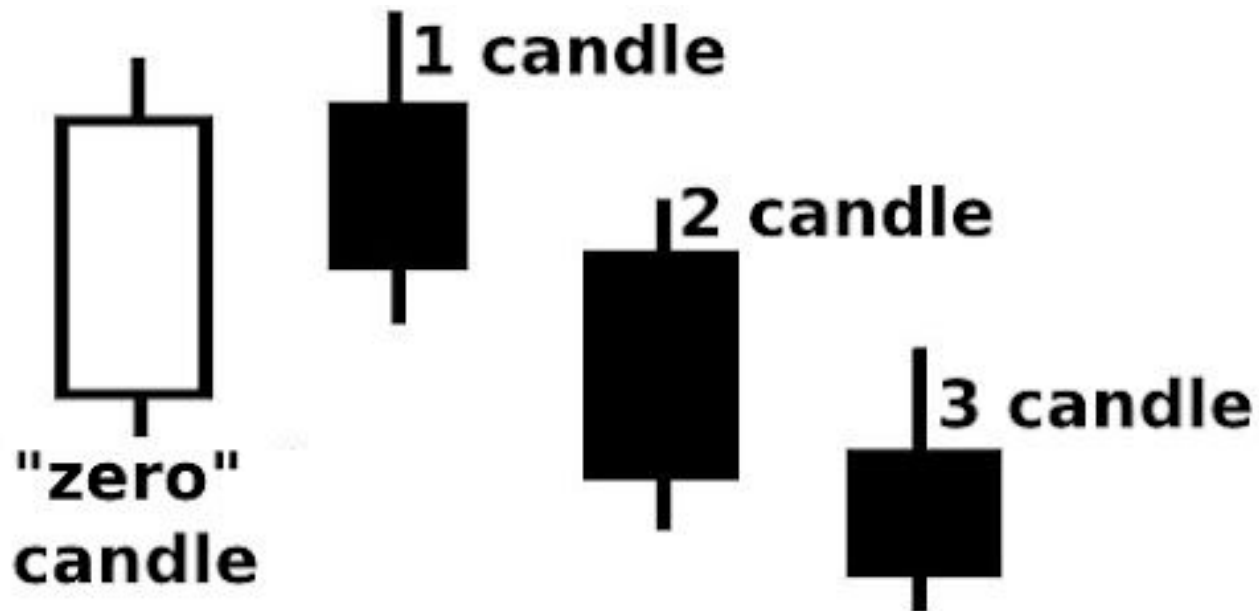
Степанов Александр

Архитектура проекта

Торговый индикатор

"zero" candle
1 candle
2 candle
3 candle

CI/CD

Запуск

```yaml
version: '3.9'

services:
  server:
    container_name: trading-server
    image: willsem/tfs-trading-bot:latest
    volumes:
      - ./configs:/configs
      - ./logs:/app/logs
      - ./https:/https
      - /etc/ssl/certs/ca-certificates.crt:/etc/ssl/certs/ca-certificates.crt
    ports:
      - '80:8080'
    restart: always
    networks:
      - trading-net

  postgres:
    container_name: trading-database
    image: library/postgres:13
    volumes:
      - ./postgres-data:/var/lib/postgresql/data
    environment:
      POSTGRES_USER: trading
      POSTGRES_PASSWORD: 123456
    ports:
      - '5432:5432'
    restart: always
    networks:
      - trading-net

  migrate:
    image: migrate/migrate
    volumes:
      - ./migration:/migration
    command: ["-path", "/migration", "-database",  "postgres://postgres:123456@localhost:5432/trading_db?sslmode=disable", "-verbose", "up" ]
    links:
      - postgres
    networks:
      - trading-net

networks:
  trading-net:
```

Документация

- GET /trading/health
- PUT /trading/pause
- PUT /trading/continue
- GET /trading/tickers
- POST /trading/ticker/{ticker}/add
- DELETE /trading/ticker/{ticker}/remove
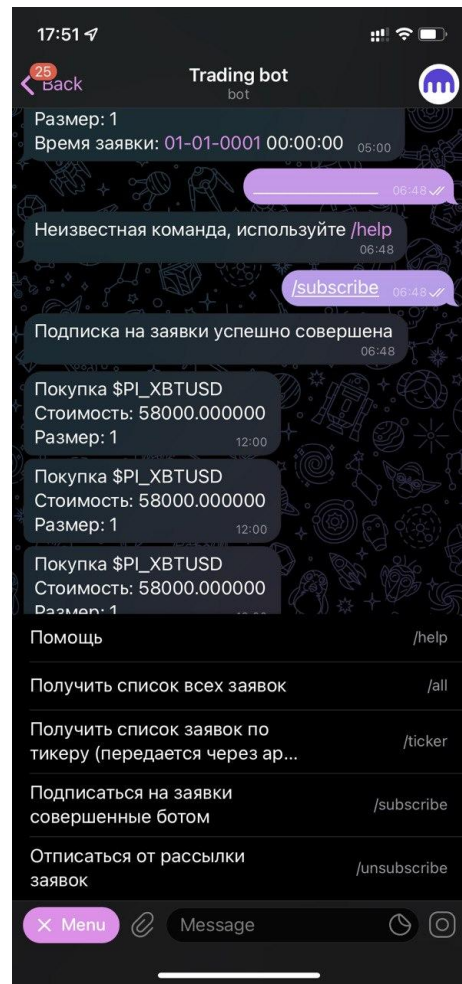- PUT /trading/setup/size/{size}

Телеграмм бот

/help – Помощь

/all – Получить все заявки

/ticker <ticker> – Получить заявки по определенному тикеру

/subscribe – Подписаться на рассылку заявок

/unsubscribe – отписаться от рассылки

Покрытие тестами

```
go test -cover ./...
?       github.com/willsem/tfs-go-hw/course_project/cmd/api      [no test files]
?       github.com/willsem/tfs-go-hw/course_project/internal/config     [no test files]
?       github.com/willsem/tfs-go-hw/course_project/internal/domain     [no test files]
?       github.com/willsem/tfs-go-hw/course_project/internal/dto        [no test files]
?       github.com/willsem/tfs-go-hw/course_project/internal/handlers   [no test files]
ok      github.com/willsem/tfs-go-hw/course_project/internal/repositories      (cached)        coverage: 95.8% of statements
ok      github.com/willsem/tfs-go-hw/course_project/internal/services/indicator (cached)        coverage: 100.0% of statements
?       github.com/willsem/tfs-go-hw/course_project/internal/services/subscribe [no test files]
?       github.com/willsem/tfs-go-hw/course_project/internal/services/telegram  [no test files]
?       github.com/willsem/tfs-go-hw/course_project/internal/services/trading   [no test files]
ok      github.com/willsem/tfs-go-hw/course_project/internal/services/tradingbot        2.012s  coverage: 89.4% of statements
?       github.com/willsem/tfs-go-hw/course_project/internal/services/tradingbot/mock_tradingbot        [no test files]
?       github.com/willsem/tfs-go-hw/course_project/pkg/log     [no test files]
?       github.com/willsem/tfs-go-hw/course_project/pkg/postgres        [no test files]
?       github.com/willsem/tfs-go-hw/course_project/pkg/response        [no test files]
```

Демонстрация работы