BALDAGO





Date: 22 hours ago SERVER Merge branch 'master' of github.com:BaldaGo/game into AsyncGracefullyStoppingServer commit d5b1556 Merge: 442f984 b519b56 Author: Боярских Никита Игоревич <N02@yandex.ru> Date: 22 hours ago Merge pull request #10 from BaldaGo/database_dev Database API. + Changed config file. Preparing for Docker db. commit b519b56 Merge: b3105b0 faaed53 CONFIGS Author: George <gabolaev98@gmail.com> Date: 23 hours ago Fix merge with game package changes. commit faaed53 LOGGING Merge: 3d6b80d 442f984 Author: George Gabolaev <gabolaev98@gmail.com> Date: 24 hours ago Merge branch 'master' into database_dev sit GIT FLOW commit 442f984 Merge: 5259a61 66f1228 Author: George Gabolaev <gabolaev98@gmail.com> Date: 26 hours ago Merge pull request #9 from BaldaGo/Game database layer

The first the same agreeable,

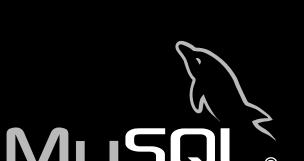
Princip rock

Princip roc Game commit 66f1228 Author: AlenaFedotova <nyonk@mail.ru> Date: 3 days ago Now it may be built ASYNCHRONOUSNESS commit d3b32f2 Author: AlenaFedotova <nyonk@mail.ru> Date: 3 days ago iiii









> tree balda-go

- Dockerfile

LICENSE

- conf

db

flags

game

hooks

logger

- main.go

- mysql

server

README.md

— conf.go

- db.go

— dict.go

— flags.go

- square.go

---- pre-commit

presentation

— logger.go

- pool.go

server.go

telnet.go

user.go

github.com

jinzhu

op

vendor.json

jessevdk

− go-flags

go-logging

inflection

go-sql-driver

- config.json

dictionary.txt

docker-compose.yml

balda-go

RUSSIAN DICTIONARY: 124049 WORDS

MUSQL DATABASE ARCHITECTURE AND API FOR GAME

```
type User struct {
      gorm.Model
                 string `gorm:"type:VARCHAR(100) CHARACTER SET"`
      Name
                         `gorm:"default:0"`
      Wins
                 uint
                 uint32
      Password
                 string
      IpAddr
                 uint `gorm:"default:0"`
      Games
                 uint `gorm:"default:0"`
      Scores
      WordsCount uint `gorm:"default:0"`
type UserConnection struct {
      gorm.Model
      UserID uint
      IpAddr string
            User `gorm:"ForeignKey:UserID"`
type RusWord struct {
      gorm.Model
                 string `gorm:"type:VARCHAR(100) CHARACTER SET"`
      Word
      Popularity uint `gorm:"default:0"`
```

```
type GameSession struct {
      gorm.Model
      WinnerID uint
      Winner User `gorm:"ForeignKey:WinnerID"`
type UsersLexicon struct {
      gorm.Model
      UserID
                uint
      RusWordID uint
                uint
                        `gorm:"default:1"`
      Count
                        `gorm:"ForeignKey:UserID"`
                User
      User
                RusWord `gorm:"ForeignKey:RusWordID"`
      RusWord
type UserInGame struct {
      gorm.Model
                  uint
      UserID
                  uint
      Score
      GameID
                  uint
                              `gorm:"ForeignKey:UserID"`
                  User
      User
      GameSession `gorm:"ForeignKey:GameID"`
```

ALËNA

GAME LOGIC

```
> tree balda-go
balda-go
      - Dockerfile
      - LICENSE
      README.md
      conf
       — conf.go
         - config.json
      db
       — db.go
       dict
         dict.go
         — dictionary.txt
      docker-compose.yml
      flags
      — flags.go
       game
          game.go
         - square.go
       hooks
       — pre-commit
       presentation
       logger
        — logger.go
      · main.go
      mysql
       server
          - pool.go
          server.go
          telnet.go
          user.go
       vendor
        github.com
          — go-sql-driver
          —— mysql
            iinzhu
            jessevdk
            — go-flags
              — inflection
           op –
             go-logging
        vendor.json
```

```
≡ × telnet (telnet)
                                                                                                                              ≡ × telnet (telnet)
× ./balda-go (balda-go)
                                                                             de(score, games, wins), l stat_topusers Shows top de(score, games, wins), l
        - -]'. Continue: %!b(bool=true)
                                                                                                        of users. Parameters: mo imit
> 16:06:58.615 server.go:253 ►WARN 023 Timeout while reading...
                                                                             > 16:06:59.004 server.go:226 DEBU 024 Readed 'help' from client
                                                                              of words. Parameters: li | imit
                                                                                                                                  of words. Parameters: li
> 16:06:59.006 server.go:230 ▶ DEBU 025 Generic answers 'Game balda
                                                                                                       stat topwords Shows top mit
        Shows game area
                                                                                                    S of words. Parameters: li stat wordtopusers
area
                                                                             stat wordtopusers
       Shows used words
                                                                             hows top of users used th | mit
                                                                                                                                 hows top of users used th
words
        Shows name of user who's step is now
                                                                             is word. Parameters: word | stat wordtopusers
                                                                                                                              S is word. Parameters: word
step
score
       Shows score of every user in game
                                                                              . limit
                                                                                                       hows top of users used th |, limit
                                                                                             Shows top is word. Parameters: word stat user
       Help for you
help
                                                                             stat user
                                                                                                                                                Shows top
skip
       Command to skip (if your step is now)
                                                                              of users. Parameters: us | , limit
                                                                                                                                  of users. Parameters: us
       Command to put letter and tell word (if your step is now)
                                                                             ername, limit
                                                                                                                      Shows top ername, limit
                                                                                                       stat user
stat topusers Shows top of users. Parameters: mode(score, games, wins), limi | petooh> 0 1 2 3 4
                                                                                                        of users. Parameters: us | petooh > 0 1 2 3 4
                                                                                                       ername, limit
stat topwords Shows top of words. Parameters: limit
                                                                                                       petooh> 0 1 2 3 4
stat wordtopusers
                       Shows top of users used this word. Parameters: word, l
                                                                                                                                  2[пепел
imit
               Shows top of users. Parameters: username, limit'. Continue: %!
stat user
                                                                                                       2|пепел
b(bool=true)
                                                                                                                                 2> 2 doesn't catch his mo
                                                                             2> 2 doesn't catch his mo
> 16:07:03.589 server.go:226 DEBU 026 Readed 'help' from client
> 16:07:03.590 server.go:230 ▶ DEBU 027 Generic answers 'Game balda
        Shows game area
       Shows used words
words
                                                                                telnet (telnet)
        Shows name of user who's step is now
step
                                                                                     Shows game area
score
      Shows score of every user in game
                                                                                     Shows used words
                                                                             words
help
       Help for you
                                                                                     Shows name of user who's step is now
       Command to skip (if your step is now)
skip
                                                                                    Shows score of every user in game
                                                                             score
       Command to put letter and tell word (if your step is now)
                                                                             help
                                                                                    Help for you
stat_topusers Shows top of users. Parameters: mode(score, games, wins), limi
                                                                             skip
                                                                                     Command to skip (if your step is now)
                                                                                     Command to put letter and tell word (if your step is now)
stat topwords Shows top of words. Parameters: limit
                                                                             stat_topusers Shows top of users. Parameters: mode(score, games, wins), limi
                       Shows top of users used this word. Parameters: word, l
stat wordtopusers
imit
                                                                             stat_topwords Shows top of words. Parameters: limit
               Shows top of users. Parameters: username, limit'. Continue: %!
stat user
                                                                             stat_wordtopusers
                                                                                                    Shows top of users used this word. Parameters: word, l
b(bool=true)
                                                                             imit
> 16:07:06.937 server.go:226 DEBU 028 Readed 'area' from client
                                                                                             Shows top of users. Parameters: username, limit
                                                                             stat_user
> 16:07:06.937 square.go:133 ▶ DEBU 029 Gaming area printed
                                                                             area
> 16:07:06.937 server.go:230 DEBU 02a Generic answers ' 0 1 2 3 4
                                                                             petooh> 0 1 2 3 4
                                                                             0[- - - -
2 пепел
                                                                             2[пепел
4[- - - - -]'. Continue: %!b(bool=true)
                                                                             |4[- - - - -]
> 16:07:09.666 server.go:253 WARN 02b Timeout while reading...
                                                                             2> 2 doesn't catch his move
```

Nikita Boyarskih

George Gabolaev

Alëna Fedotova

github.com/Nikita-Boyarskikh

github.com/gabolaev

github.com/AlenaFedotova