**Golang Xorm初体验**

## 具体使用请参考文档：[https://gobook.io/read/gitea.com/xorm/manual-zh-CN](https://gobook.io/read/gitea.com/xorm/manual-zh-CN/)

package main

import (

"fmt"

"github.com/go-xorm/xorm"

\_ "github.com/mattn/go-sqlite3"

"math/rand"

"strconv"

"time"

)

type User struct {

Id int64

Name string

Age int

Password string `xorm:"varchar(200)"`

Created time.Time `xorm:"created"`

Updated time.Time `xorm:"updated"`

}

func OrmSample(){

engine, err := xorm.NewEngine("sqlite3", "F:\\test\\go\_orm.db")

checkErr(err)

err = engine.Sync2(new(User))

checkErr(err)

fmt.Println("=================================insert================================")

for i:=0;i<10;i++{

u:=&User{

Name: "user"+strconv.Itoa(i),

Age: rand.Intn(60),

Password:"xxxxxxxxxxxxxx",

}

engine.Insert(u)

}

//engine.ShowSQL()

var user User

user.Name = "user1"

//

\_,err = engine.Get(&user)

checkError(err)

fmt.Println("user1 is:",user)

user = User{}

\_,err = engine.Where("name=?","user2").Get(&user)

checkError(err)

fmt.Println("user2 is:",user)

var users []\*User

err = engine.Asc("age").Find(&users)

checkError(err)

fmt.Println("全部查询:")

for \_,u:=range users{

fmt.Println("user is:",u.Name)

}

users = []\*User{}

err = engine.Where("age > ?",30).Find(&users)

checkError(err)

fmt.Println("30<age多条件查询:")

for \_,u:=range users{

fmt.Println("user is:",u.Name)

}

users = []\*User{}

err = engine.Where("age > ?",30).And("age < ?",50).Find(&users)

checkError(err)

fmt.Println("30<age<50多条件查询:")

for \_,u:=range users{

fmt.Println("user is:",u.Name)

}

fmt.Println("=================================update================================")

var u User

u.Name="user0"

u.Age = 100

affectRow,err:=engine.Where("name=?","user2").Update(&user)

checkError(err)

fmt.Println("affected lines are:",affectRow)

u = User{}

u.Name = "user2"

u.Age = user.Age // u作为更新条件,使用MustCols时必须要将u中要更新的字段对应的赋值,showSql()可以查看其生成的sql语句,该字段也被放到了where中

user = User{}

user.Age = 0 // 更新 0 false "" 必须要指定字段 Cols MustCols AllCols,需要注意各自的使用场景

affectRow,err=engine.MustCols("age").Update(&user,&u)

checkError(err)

fmt.Println("=================================delete================================")

var userList []\*User

err = engine.Find(&userList)

checkError(err)

for \_,u:=range userList{

engine.Delete(u)

}

engine.Close()

}

func checkError(err error){

if err!=nil{

fmt.Println("error is",err.Error())

panic(err)

}

}

func main() {

OrmSample()

}

[golang. xorm中文手册](https://download.csdn.net/download/sea_way/10907638" \t "_blank)

[Go学习路线](https://blog.csdn.net/wuli2496/article/details/124540777" \t "_blank)

[使用xorm工具,根据数据库自动生成 go 代码](https://blog.csdn.net/weixin_33836223/article/details/92395081" \t "_blank)

[Golang数据库Xorm引擎调优](https://yiusr.blog.csdn.net/article/details/119679752" \t "_blank)

[Golang实践录：sqlite的使用](https://devpress.csdn.net/v1/article/detail/134867366" \t "_blank)

[Golang 操作数据库有统一的接口，当然也有xorm这样的库，笔者接触的项目不大，对sql自由组装有要求，同时也会将这些sql用于数据库客户端查询，因此偏向于使用原生的sql。为方便起见，本文只针对sqlite进行连接、读写、事务的测试。理论上可以扩展到其它数据库的操作。](https://devpress.csdn.net/v1/article/detail/134867366" \t "_blank)

[Go语言学习笔记—xorm\_xorm代码原理](https://blog.csdn.net/qq_39280718/article/details/126302806" \t "_blank)

[Go语言数据库框架——xorm](https://blog.csdn.net/qq_42647903/article/details/126143046" \t "_blank)

[XORM入门,使用SQLite](https://blog.csdn.net/qq_34060435/article/details/125264411" \t "_blank)

[go语言 第三方包安装方法\_【分享吧】Go语言第三方包的使用介绍与场景应...](https://blog.csdn.net/weixin_39760650/article/details/110134234" \t "_blank)

[使用xorm工具，根据数据库自动生成 go 代码](https://blog.csdn.net/INGNIGHT/article/details/104957116" \t "_blank)

[Go语言学习教程：xorm表基本操作及高级操作](https://blog.csdn.net/weixin_33912638/article/details/91428358" \t "_blank)

[xorm:golang的orm(只写了一小部分)](https://blog.csdn.net/CWG2017/article/details/101169349" \t "_blank)

[Golang Xorm库 1.0 快速上手](https://blog.csdn.net/wonain/article/details/105475376" \t "_blank)

[golang的orm框架xorm（一）--- xorm 安装及简单使用](https://blog.csdn.net/m0_49683806/article/details/129014049" \t "_blank)

[golang实战使用gin+xorm搭建go语言web框架详解.rar](https://download.csdn.net/download/fish_study_csdn/18991705" \t "_blank)

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[Golang WebSocket 以及多个客户端简单实现](https://blog.csdn.net/ALakers/article/details/111713405" \t "_blank)

[Golang http添加cookie](https://blog.csdn.net/ALakers/article/details/111628902" \t "_blank)

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