

# 董百顺 2019212021

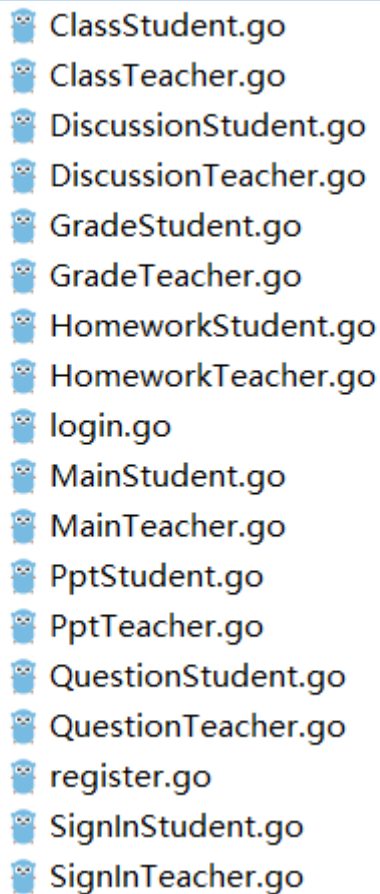
## 课堂派大作业



















### 使用的第三方库

```
"github.com/gin-gonic/gin"  
"github.com/gin-contrib/sessions"  
"github.com/gin-contrib/sessions/cookie"  
"gorm.io/gorm"  
"github.com/garyburd/redigo/redis"
```

### 包的介绍

#### Contoller包





-  ClassStudent.go
-  ClassTeacher.go
-  DiscussionStudent.go
-  DiscussionTeacher.go
-  GradeStudent.go
-  GradeTeacher.go
-  HomeworkStudent.go
-  HomeworkTeacher.go
-  login.go
-  MainStudent.go
-  MainTeacher.go
-  PptStudent.go
-  PptTeacher.go
-  QuestionStudent.go
-  QuestionTeacher.go
-  register.go
-  SignInStudent.go
-  SignInTeacher.go

```
ClassStudet.go //实现加入课堂，退出课堂，查看课堂功能  
ClassTeacher.go //实现创建课堂，修改课堂码，修改课堂状态，查看课堂  
DiscussionStudent.go //实现讨论发言，查看讨论发言  
DiscussionTeacher.go //实现创建讨论，查看讨论发言  
GradeStudent.go //实现查看成绩  
GradeTeacher.go //实现添加成绩，查看成绩，删除成绩  
HomeworkStudent.go //实现下载作业，上传作业  
HomeworkTeacher.go //实现发布作业
```

```
Login.go //实现登录, 取消登录
MainStudent.go//学生首页
MainTeacher.go//教师首页
PptStudent.go//下载课件
PptTeacher.go//上传课件
QuestionStudent.go//回答问题
QuestionTeacher.go//实现发布问题(抢答或问答), 存在一些问题
register.go//实现注册和注销账号
SignInStudent.go//学生签到
SignInTeacher.go//发布签到, 查看签到
```












## Middle包

 access.go  
 login.go

```
access.go //权限控制中间件
login.go //登录中间件, 使用session判断登录状态
```

## Model包

— model

 access.go  
 class.go  
 Grade.go  
 joinclass.go  
 message.go  
 mysql.go  
 question.go  
 redis.go  
 title.go  
 tool.go  
 user.go

```
access.go //权限表
class.go //课堂表
Grade.go //成绩表
joinclass.go //学生加入课堂记录表
message.go //讨论发言表
mysql.go //配置mysql数据库
question.go //发布问题表
redis.go //配置redis数据库, 存储签到信息
title.go //讨论话题表
tool.go //封装的函数工具
user.go //用户表
```

## Router包

配置路由

数据库展示

access表

identity	accessname	path	id
1	教师主页面	/teacher/	1
1	成绩管理	/teacher/grade	2
1	布置作业	/teacher/signppt	3
1	发起问题	/teacher/question	4
1	上传课件	/teacher/signppt	5
1	课堂使用	/teacher/useclass	6
1	课堂禁用	/teacher/nouseclass	7
1	课堂修改	/teacher/updateclass	8
1	创建课堂	/teacher/class	9
1	创建讨论	/teacher/discussion	10
1	发起签到	/teacher/sign	11
1	登录	/login	12
1	注册	/register	13
2	登录	/login	14
2	注册	/register	15
2	学生主页面	/student/	16
2	班级	/student/class	17
2	讨论	/student/discussion	18
2	签到	/student/signin	19
2	下载ppt	/student/downloadppt	20
2	下载作业	/student/downloadhomework	21
2	上交作业	/student/uploadhomework	22
2	回答问题	/student/question	23
2	查看成绩	/student/grade	24

class表

name	teacher_email	class_name	student_num	id	year	term	status
math	2298110001@qq.co	04051001	5	H34Su6	2021-202	1	1
math	2298110001@qq.co	04051001	0	l06Qv3	2021-202	1	1
math	2298110001@qq.co	04051001	0	Xf2nDo	2021-202	1	1

grade表

id	created_at	updated_at	deleted_at	class_code	student_email	student_grade	student_name	homework_file
2	2022-01-01 16:05:42	2022-01-01 16:05:42	(Null)	H34Su6	2298110003@qq.c	98	和	第一次
3	2022-01-01 16:05:56	2022-01-01 16:05:56	(Null)	H34Su6	2298110004@qq.c	98	李	第一次
4	2022-01-01 16:06:02	2022-01-01 16:06:02	(Null)	H34Su6	2298110006@qq.c	98	岳	第一次

join\_class表

id	student_email	teacher_email	class_code
1	2298110002@qq.com	2298110001@qq.com	H34Su6
4	2298110003@qq.com	2298110001@qq.com	H34Su6
5	2298110004@qq.com	2298110001@qq.com	H34Su6
6	2298110005@qq.com	2298110001@qq.com	H34Su6
7	2298110006@qq.com	2298110001@qq.com	H34Su6

message表

id	sender	send_time	content	created_at	updated_at	deleted_at	title_id
3	和	1641045010	go是一门编程	2022-01-01 21:	2022-01-01 21:5	(Null)	2

question(未进行测试)

id	class_code	content	way	response_student	answer
1	H34Su6	go是什么?	1		
2	H34Su6	go是什么?	1		
3	H34Su6	go是什么?	1		
4	H34Su6	go是什么?	1		

title表

id	class_code	title_name	teacher_email	create_time
2	H34Su6	这是一节什么课?	2298110001@qq.com	1641022390

user表 (1表示老师, 2表示学生)

id	created_at	updated_at	deleted_at	email	password	name	identity	school
1	2021-12-28 21:41:40	2021-12-28 21:41:40	(Null)	2298119774@qq.com	20010712.	董百顺	2	cqupt
2	2021-12-29 19:43:55	2021-12-29 19:43:55	(Null)	2298110000@qq.com	20010712.	去	2	cqupt
3	2021-12-29 19:45:59	2021-12-29 19:45:59	(Null)	2298110001@qq.com	20010712.	董老师	1	cqupt
4	2021-12-29 19:46:24	2021-12-29 19:46:24	(Null)	2298110002@qq.com	20010712.	章	2	cqupt
5	2021-12-29 19:46:36	2021-12-29 19:46:36	(Null)	2298110003@qq.com	20010712.	和	2	cqupt
6	2021-12-29 19:46:55	2021-12-29 19:46:55	(Null)	2298110004@qq.com	20010712.	李	2	cqupt
7	2021-12-29 19:47:06	2021-12-29 19:47:06	(Null)	2298110005@qq.com	20010712.	刘	2	cqupt
8	2021-12-29 19:47:19	2021-12-29 19:47:19	(Null)	2298110006@qq.com	20010712.	岳	2	cqupt