



《手写OS操作系统》小班二期招生，全程直播授课，大牛带你掌握硬核技术！

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- 全部开发者教程
1. go最常用的设计模式 - 函数选项
2. 单例模式和懒加载
3. 测试金字塔
- 第23周 protoc插件开发、cobra命令行
1. protoc调试源码
2. protoc自定义gin插件
- 第24周 log日志包设计
- 日志源码
- 第25周 ast代码生成工具开发
- 错误码
- 第26周 三层代码结构
- 通用app项目启动

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◀ 上一节 7. 常见的分布式... 2. 支付宝支付的... 下一节 ▶

<> 代码块 预览 复制

```
1 package model
2
3 import "time"
4
5
6 type ShoppingCart struct{
7     BaseModel
8     User int32 `gorm:"type:int;index"`
9     Goods int32 `gorm:"type:int;index"`
10    Nums int32 `gorm:"type:int"`
11    Checked bool
12 }
13
14 func (ShoppingCart) TableName() string {
15     return "shoppingcart"
16 }
17
18
19 type OrderInfo struct{
20     BaseModel
21
22     User int32 `gorm:"type:int;index"`
23     OrderSn string `gorm:"type:varchar(30);index"`
24     PayType string `gorm:"type:varchar(20) comment 'alipay(支付宝), wechat(微信)'"`
25
26     //status大家可以考虑使用iota来做
27     Status string `gorm:"type:varchar(20) comment 'PAYING(待支付), TRADE_SUCCESS(交易成功)'"`
28     TradeNo string `gorm:"type:varchar(100) comment '交易号'"`
29     OrderMount float32
30     PayTime time.Time
31
32     Address string `gorm:"type:varchar(100)"`
33     SignerName string `gorm:"type:varchar(20)"`
34     SingerMobile string `gorm:"type:varchar(11)"`
35     Post string `gorm:"type:varchar(20)"`
36 }
37
38 func (OrderInfo) TableName() string {
39     return "orderinfo"
40 }
41
42 type OrderGoods struct{
43     BaseModel
44
45     Order int32 `gorm:"type:int;index"`
46     Goods int32 `gorm:"type:int;index"`
47
```

意见反馈

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```
50     GoodsPrice float32
51     Nums int32 `gorm:"type:int"`
52 }
53
54 func (OrderGoods) TableName() string {
55     return "ordergoods"
56 }
```

proto文件定义

<> 代码块

```
1  syntax = "proto3";
2  import "google/protobuf/empty.proto";
3  option go_package = ".;proto";
4
5
6  service Order {
7      //购物车
8      rpc CartItemList(UserInfo) returns(CartItemListResponse); //获取用户的购物车信息
9      rpc CreateCartItem(CartItemRequest) returns(ShopCartItemResponse); //添加商品到购物车
10     rpc UpdateCartItem(CartItemRequest) returns(google.protobuf.Empty); //修改购物车
11
12     //订单
13     rpc Create(OrderRequest) returns (OrderInfoResponse); //创建订单
14     rpc OrderList(OrderFilterRequest) returns (OrderListResponse); // 订单列表
15     rpc OrderDetail(OrderRequest) returns (OrderInfoDetailResponse); // 订单详情
16     rpc UpdateOrderStatus(OrderStatus) returns (google.protobuf.Empty); // 修改订单状态
17 }
18
19 message UserInfo {
20     int32 id = 1;
21 }
22
23 message OrderStatus {
24     int32 id = 1;
25     string orderSn = 2;
26     string status = 3;
27 }
28
29 message CartItemRequest {
30     int32 id = 1;
31     int32 userId = 2;
32     int32 goodsId = 3;
33     string goodsName = 4;
34     string goodsImage = 5;
35     float goodsPrice = 6;
36     int32 nums = 7;
37     bool checked = 8;
38 }
39
40 message OrderRequest {
41     int32 id = 1;
42     int32 userId = 2;
43     string address = 3;
44     string name = 4;
45     string mobile = 5;
46     string post = 6;
47 }
48
49 message OrderInfoResponse {
```

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标记书签

```
51     int32 userId = 2;
52     string orderSn = 3;
53     string payType = 4;
54     string status = 5;
55     string post = 6;
56     float total = 7;
57     string address = 8;
58     string name = 9;
59     string mobile = 10;
60 }
61
62 message ShopCartInfoResponse {
63     int32 id = 1;
64     int32 userId = 2;
65     int32 goodsId = 3;
66     int32 nums = 4;
67     bool checked = 5;
68 }
69
70 message OrderItemResponse {
71     int32 id = 1;
72     int32 orderId = 2;
73     int32 goodsId = 3;
74     string goodsName = 4;
75     string goodsImage = 5;
76     float goodsPrice = 6;
77     int32 nums = 7;
78 }
79
80 message OrderInfoDetailResponse {
81     OrderInfoResponse orderInfo = 1;
82     repeated OrderItemResponse goods = 2;
83 }
84
85 message OrderFilterRequest {
86     int32 userId = 1;
87     int32 pages = 2;
88     int32 pagePerNums = 3;
89 }
90
91 message OrderListResponse {
92     int32 total = 1;
93     repeated OrderInfoResponse data = 2;
94 }
95
96 message CartItemListResponse {
97     int32 total = 1;
98     repeated ShopCartInfoResponse data = 2;
99 }
100
101
```

