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1. form

<> 代码块

```
1 package forms
2
3 type BannerForm struct {
4     Image    string `form:"image" json:"image" binding:"url"`
5     Index    int    `form:"index" json:"index" binding:"required"`
6     Url      string `form:"url" json:"url" binding:"url"`
7 }
```

2. handler

<> 代码块

```
1 package banners
2
3 import (
4     "context"
5     "github.com/gin-gonic/gin"
6     "github.com/go-playground/validator/v10"
7     "github.com/golang/protobuf/ptypes/empty"
8     "google.golang.org/grpc/codes"
9     "google.golang.org/grpc/status"
10    "mxshop-api/goods-web/forms"
11    "mxshop-api/goods-web/global"
12    "mxshop-api/goods-web/proto"
13    "net/http"
14    "strconv"
15    "strings"
16 )
17
18 func removeTopStruct(fields map[string]string) map[string]string{
19     rsp := map[string]string{}
20     for field, err := range fields {
21         rsp[field[strings.Index(field, ".")+1:]] = err
22     }
23     return rsp
24 }
25
26
27 func HandleGrpcErrorToHttp(err error, c *gin.Context) {
28     //将grpc的代码转换成http的状态码
29     if err != nil {
30         if e, ok := status.FromError(err); ok {
```

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```
32         case codes.NotFound:
33             c.JSON(http.StatusNotFound, gin.H{
34                 "msg": e.Message(),
35             })
36         case codes.Internal:
37             c.JSON(http.StatusInternalServerError, gin.H{
38                 "msg": "内部错误",
39             })
40         case codes.InvalidArgument:
41             c.JSON(http.StatusBadRequest, gin.H{
42                 "msg": "参数错误",
43             })
44         case codes.Unavailable:
45             c.JSON(http.StatusInternalServerError, gin.H{
46                 "msg": "用户服务不可用",
47             })
48         default:
49             c.JSON(http.StatusInternalServerError, gin.H{
50                 "msg": e.Code(),
51             })
52     }
53     return
54 }
55 }
56 }
57
58 func HandleValidatorError(c *gin.Context, err error){
59     errs, ok := err.(validator.ValidationErrors)
60     if !ok {
61         c.JSON(http.StatusOK, gin.H{
62             "msg": err.Error(),
63         })
64     }
65     c.JSON(http.StatusBadRequest, gin.H{
66         "error": removeTopStruct(errs.Translate(global.Trans)),
67     })
68     return
69 }
70
71
72 func BannerList(ctx *gin.Context) {
73     rsp, err := global.GoodsSrvClient.BannerList(context.Background(), &empty.Empty)
74     if err != nil {
75         HandleGrpcErrorToHttp(err, ctx)
76         return
77     }
78
79     result := make([]interface{}, 0)
80     for _, value := range rsp.Data {
81         reMap := make(map[string]interface{})
82         reMap["id"] = value.Id
83         reMap["index"] = value.Index
84         reMap["image"] = value.Image
85         reMap["url"] = value.Url
86
87         result = append(result, reMap)
88     }
89
90     ctx.JSON(http.StatusOK, result)
91 }
92
93 func NewBanner(ctx *gin.Context) {
94     bannerForm := forms.BannerForm{
95         // 从表单中获取数据并赋值给结构体
96     }
```

```
97         return
98     }
99
100     rsp, err := global.GoodsSrvClient.CreateBanner(context.Background(), &proto.Banner{
101         Index:    int32(bannerForm.Index),
102         Url:       bannerForm.Url,
103         Image:     bannerForm.Image,
104     })
105
106     if err != nil {
107         HandleGrpcErrorToHttp(err, ctx)
108         return
109     }
110
111     response := make(map[string]interface{})
112     response["id"] = rsp.Id
113     response["index"] = rsp.Index
114     response["url"] = rsp.Url
115     response["image"] = rsp.Image
116
117     ctx.JSON(http.StatusOK, response)
118 }
119
120 func UpdateBanner(ctx *gin.Context) {
121     bannerForm := forms.BannerForm{}
122     if err := ctx.ShouldBindJSON(&bannerForm); err != nil {
123         HandleValidatorError(ctx, err)
124         return
125     }
126
127     id := ctx.Param("id")
128     i, err := strconv.ParseInt(id, 10, 32)
129     if err != nil {
130         ctx.Status(http.StatusNotFound)
131         return
132     }
133
134     _, err = global.GoodsSrvClient.UpdateBanner(context.Background(), &proto.Banner{
135         Id:        int32(i),
136         Index:     int32(bannerForm.Index),
137         Url:       bannerForm.Url,
138     })
139     if err != nil {
140         HandleGrpcErrorToHttp(err, ctx)
141         return
142     }
143
144     ctx.Status(http.StatusOK)
145 }
146
147
148 func DeleteBanner(ctx *gin.Context) {
149     id := ctx.Param("id")
150     i, err := strconv.ParseInt(id, 10, 32)
151     if err != nil {
152         ctx.Status(http.StatusNotFound)
153         return
154     }
155
156     _, err = global.GoodsSrvClient.DeleteBanner(context.Background(), &proto.Banner{
157         Id: int32(i),
158     })
159     if err != nil {
160         HandleGrpcErrorToHttp(err, ctx)
161         return
162     }
163
164     ctx.Status(http.StatusOK)
165 }
```



```
162     ctx.JSON(http.StatusOK, "")
    }
```

### 3. router

```
<> 代码块

1  package router
2
3  import (
4      "github.com/gin-gonic/gin"
5      "mxshop-api/goods-web/api/banners"
6      "mxshop-api/goods-web/middlewares"
7  )
8
9  func InitBannerRouter(Router *gin.RouterGroup) {
10     BannerRouter := Router.Group("banners")
11     {
12         BannerRouter.GET("", banners.BannerList)           // 轮播图列表页
13         BannerRouter.DELETE("/:id", middlewares.JWTAuth(), middlewares.IsAdminAuth())
14         BannerRouter.POST("", middlewares.JWTAuth(), middlewares.IsAdminAuth(),
15             BannerRouter.PUT("/:id", middlewares.JWTAuth(), middlewares.IsAdminAuth())
16     }
17 }
```

### 3. 在初始化中调用router

4. 商品分类接口 ◀ 上一节      下一节 ▶ 6. 品牌分类

我要提出意见反馈

