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bobby · 更新于 2022-11-08

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## 1. GetAllCategorysList

<> 代码块

```
1 func (s *GoodsServer) GetAllCategorysList(context.Context, *emptypb.Empty) (*proto
2     /*
3     [
4         {
5             "id":xxx,
6             "name":"","
7             "level":1,
8             "is_tab":false,
9             "parent":13xxx,
10            "sub_category":[
11                "id":xxx,
12                "name":"","
13                "level":1,
14                "is_tab":false,
15                "sub_category":[]
16            ]
17        }
18    ]
19    */
20    var categorys []model.Category
21    global.DB.Where(&model.Category{Level: 1}).Preload("SubCategory.SubCategory")
22    b, _ := json.Marshal(&categorys)
23    return &proto.CategoryListResponse{JsonData: string(b)}, nil
24 }
```

## 2. GetSubCategory

<> 代码块

```
1 func (s *GoodsServer) GetSubCategory(ctx context.Context, req *proto.CategoryList
2     categoryListResponse := proto.SubCategoryListResponse{}
3
4     var category model.Category
5     if result := global.DB.First(&category, req.Id); result.RowsAffected == 0{
6         return nil, status.Errorf(codes.NotFound, "商品分类不存在")
7     }
8
9     categoryListResponse.Info = &proto.CategoryInfoResponse{
10         Id:      category.ID,
11         Name: category.Name,
```



```

14         ParentCategory: category.ParentCategoryID,
15     }
16
17     var subCategorys []model.Category
18     var subCategoryResponse []*proto.CategoryInfoResponse
19     //preloads := "SubCategory"
20     //if category.Level == 1 {
21     //    preloads = "SubCategory.SubCategory"
22     //}
23     global.DB.Where(&model.Category{ParentCategoryID: req.Id}).Find(&subCategorys)
24     for _, subCategory := range subCategorys {
25         subCategoryResponse = append(subCategoryResponse, &proto.CategoryInfoResponse{
26             Id: subCategory.ID,
27             Name: subCategory.Name,
28             Level: subCategory.Level,
29             IsTab: subCategory.IsTab,
30             ParentCategory: subCategory.ParentCategoryID,
31         })
32     }
33
34     categoryListResponse.SubCategorys = subCategoryResponse
35     return &categoryListResponse, nil
36 }

```

### 3. CreateCategory

<> 代码块

```

1 func (s *GoodsServer) CreateCategory(ctx context.Context, req *proto.CategoryInfoRequest) (*proto.CategoryInfoResponse, error) {
2     category := model.Category{}
3
4     category.Name = req.Name
5     category.Level = req.Level
6     if req.Level != 1 {
7         category.ParentCategoryID = req.ParentCategory
8     }
9     category.IsTab = req.IsTab
10
11     global.DB.Save(&category)
12
13     return &proto.CategoryInfoResponse{Id: int32(category.ID)}, nil
14 }

```

### 4. DeleteCategory

<> 代码块

```

1 func (s *GoodsServer) DeleteCategory(ctx context.Context, req *proto.DeleteCategoryRequest) (*proto.DeleteCategoryResponse, error) {
2     if result := global.DB.Delete(&model.Category{}, req.Id); result.RowsAffected == 0 {
3         return nil, status.Errorf(codes.NotFound, "商品分类不存在")
4     }
5     return &emptypb.Empty{}, nil
6 }

```

### 5. UpdateCategory

意见反馈

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```
1 func (s *GoodsServer) UpdateCategory(ctx context.Context, req *proto.CategoryInfo) error {
2     var category model.Category
3
4     if result := global.DB.First(&category, req.Id); result.RowsAffected == 0 {
5         return nil, status.Errorf(codes.NotFound, "商品分类不存在")
6     }
7
8     if req.Name != "" {
9         category.Name = req.Name
10    }
11    if req.ParentCategory != 0 {
12        category.ParentCategoryID = req.ParentCategory
13    }
14    if req.Level != 0 {
15        category.Level = req.Level
16    }
17    if req.IsTab {
18        category.IsTab = req.IsTab
19    }
20
21    global.DB.Save(&category)
22
23    return &emptypb.Empty{}, nil
24 }
```

✎ 我要提出意见反馈

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