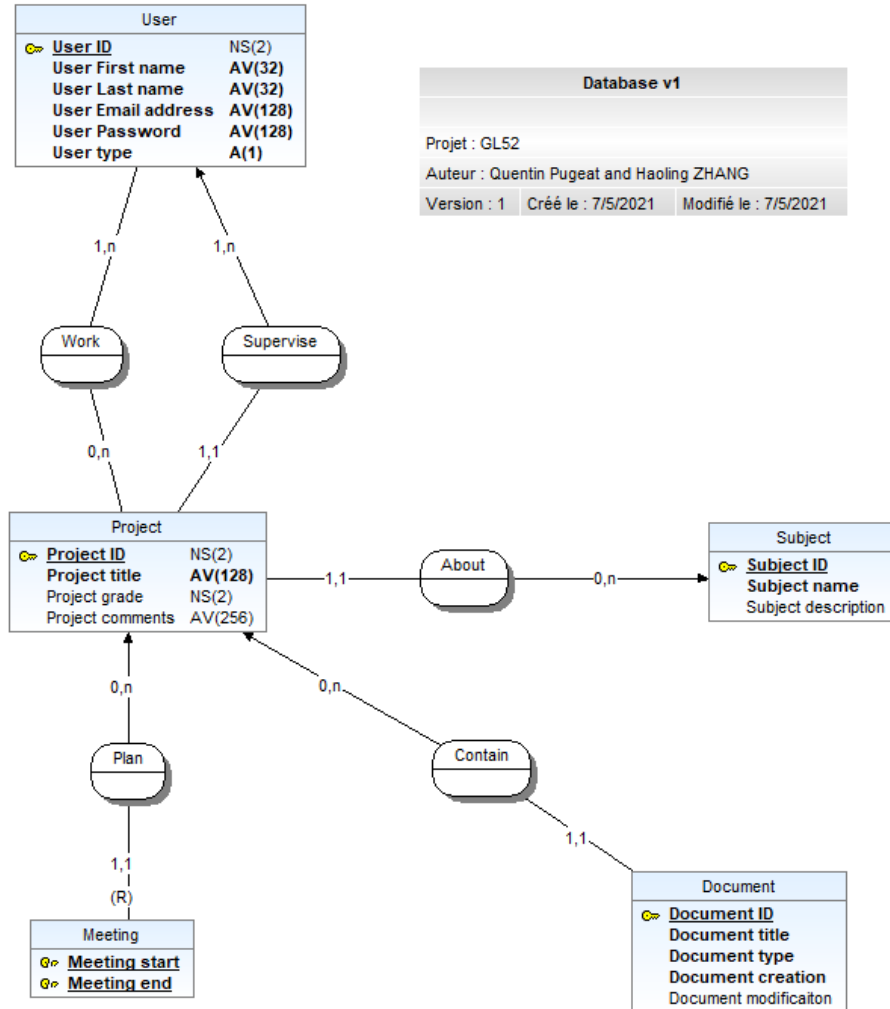


APIJSON集成现有项目（2）-单表配置

背景

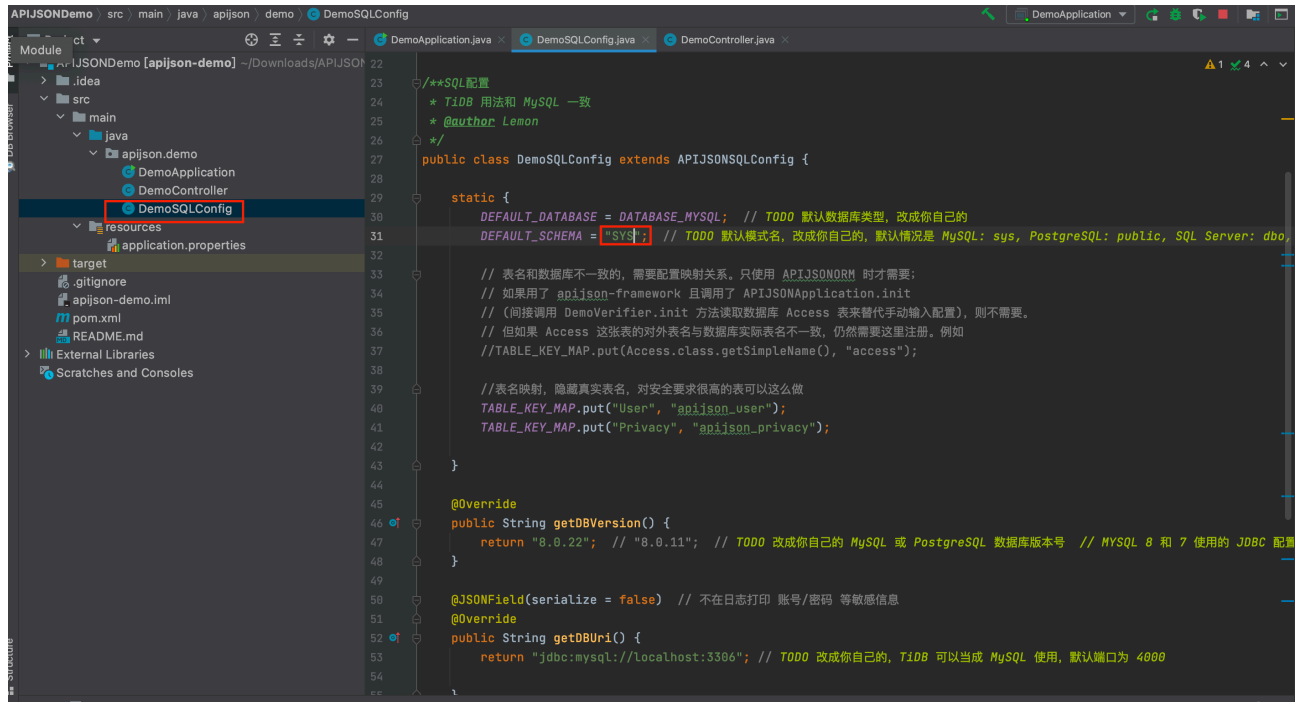
1. 基于APIJson集成现有项目（1），数据库已连接成功
2. 基于课程管理项目进行关联查询，该项目各表之间关系如下图



目的

使用APIJson对个人项目进行基本CRUD操作，提高开发效率

1. 导入表，若需要更改数据库，在DemoSqlConfig第31行进行修改



2. 在Access表中进行配置

表名	表类型	引擎	创建日期	修改日期	排序规则	行格式	平均行长度	最大数据长度	索引长度
sys	1 TestRecord	(NULL)	["LOGIN", "ADMIN"]	["UNKNOWN", "LOGIN", "CONTACT", "C					
表	0 Test	(NULL)	["UNKNOWN", "LOGIN", "CONTACT", "CIRCLE", "OWNER", "ADMIN"]	["UNKNOWN", "LOGIN", "CONTACT", "C					
_Visit	1 PgAttribute	(NULL)	["UNKNOWN", "LOGIN", "CONTACT", "CIRCLE", "OWNER", "ADMIN"]	["UNKNOWN", "LOGIN", "CONTACT", "C					
Access	1 PgClass	(NULL)	["UNKNOWN", "LOGIN", "CONTACT", "CIRCLE", "OWNER", "ADMIN"]	["UNKNOWN", "LOGIN", "CONTACT", "C					
apijson_privacy	0 Login	(NULL)	["UNKNOWN", "LOGIN", "CONTACT", "CIRCLE", "OWNER", "ADMIN"]	["UNKNOWN", "LOGIN", "CONTACT", "C					
apijson_user	0 Verify	(NULL)	["UNKNOWN", "LOGIN", "CONTACT", "CIRCLE", "OWNER", "ADMIN"]	["UNKNOWN", "LOGIN", "CONTACT", "C					
Comment	15 apijson_user	User	["UNKNOWN", "LOGIN", "CONTACT", "CIRCLE", "OWNER", "ADMIN"]	["UNKNOWN", "LOGIN", "CONTACT", "C					
DOCUMENT_GL52	0 apijson_privacy	Privacy	["UNKNOWN", "LOGIN", "CONTACT", "CIRCLE", "OWNER", "ADMIN"]	["UNKNOWN", "LOGIN", "CONTACT", "C					
Function	0 Moment	(NULL)	["UNKNOWN", "LOGIN", "CONTACT", "CIRCLE", "OWNER", "ADMIN"]	["UNKNOWN", "LOGIN", "CONTACT", "C					
Login	17 0 Comment	(NULL)	["UNKNOWN", "LOGIN", "CONTACT", "CIRCLE", "OWNER", "ADMIN"]	["UNKNOWN", "LOGIN", "CONTACT", "C					
MEETING_GL52	1 SysTable	(NULL)	["UNKNOWN", "LOGIN", "CONTACT", "CIRCLE", "OWNER", "ADMIN"]	["UNKNOWN", "LOGIN", "CONTACT", "C					
Method	20 1 SysColumn	(NULL)	["UNKNOWN", "LOGIN", "CONTACT", "CIRCLE", "OWNER", "ADMIN"]	["UNKNOWN", "LOGIN", "CONTACT", "C					
Moment	21 ExtendedProperty	(NULL)	["UNKNOWN", "LOGIN", "CONTACT", "CIRCLE", "OWNER", "ADMIN"]	["UNKNOWN", "LOGIN", "CONTACT", "C					
Patient_TX52	22 1 Random	(NULL)	["LOGIN", "ADMIN"]	["LOGIN", "ADMIN"]					
Praise	23 0 Swagger	(NULL)	["UNKNOWN", "LOGIN", "CONTACT", "CIRCLE", "OWNER", "ADMIN"]	["UNKNOWN", "LOGIN", "CONTACT", "C					
PROJECT_GL52	24 1 Method	(NULL)	["UNKNOWN", "LOGIN", "CONTACT", "CIRCLE", "OWNER", "ADMIN"]	["UNKNOWN", "LOGIN", "CONTACT", "C					
Random	25 1 Input	(NULL)	["UNKNOWN", "LOGIN", "CONTACT", "CIRCLE", "OWNER", "ADMIN"]	["UNKNOWN", "LOGIN", "CONTACT", "C					
Request	26 1 Device	(NULL)	["UNKNOWN", "LOGIN", "CONTACT", "CIRCLE", "OWNER", "ADMIN"]	["UNKNOWN", "LOGIN", "CONTACT", "C					
Response	27 1 System	(NULL)	["UNKNOWN", "LOGIN", "CONTACT", "CIRCLE", "OWNER", "ADMIN"]	["UNKNOWN", "LOGIN", "CONTACT", "C					
SUBJECT_GL52	28 1 Flow	(NULL)	["UNKNOWN", "LOGIN", "CONTACT", "CIRCLE", "OWNER", "ADMIN"]	["UNKNOWN", "LOGIN", "CONTACT", "C					
sys_config	29 1 Output	(NULL)	["UNKNOWN", "LOGIN", "CONTACT", "CIRCLE", "OWNER", "ADMIN"]	["UNKNOWN", "LOGIN", "CONTACT", "C					
TestRecord	30 0 ViewTable	(NULL)	["UNKNOWN", "LOGIN", "CONTACT", "CIRCLE", "OWNER", "ADMIN"]	["UNKNOWN", "LOGIN", "CONTACT", "C					
USER_GL52	31 1 Patient	Patient	["UNKNOWN", "LOGIN", "CONTACT", "CIRCLE", "OWNER", "ADMIN"]	["UNKNOWN", "LOGIN", "CONTACT", "C					
Verify	33 0 DOCUMENT_GL52	(NULL)	["UNKNOWN", "LOGIN", "CONTACT", "CIRCLE", "OWNER", "ADMIN"]	["UNKNOWN", "LOGIN", "CONTACT", "C					
WORK_GL52	34 0 MEETING_GL52	(NULL)	["UNKNOWN", "LOGIN", "CONTACT", "CIRCLE", "OWNER", "ADMIN"]	["UNKNOWN", "LOGIN", "CONTACT", "C					
	35 0 PROJECT_GL52	(NULL)	["UNKNOWN", "LOGIN", "CONTACT", "CIRCLE", "OWNER", "ADMIN"]	["UNKNOWN", "LOGIN", "CONTACT", "C					
	36 0 WORK_GL52	(NULL)	["UNKNOWN", "LOGIN", "CONTACT", "CIRCLE", "OWNER", "ADMIN"]	["UNKNOWN", "LOGIN", "CONTACT", "C					
	37 0 USER_GL52	(NULL)	["UNKNOWN", "LOGIN", "CONTACT", "CIRCLE", "OWNER", "ADMIN"]	["UNKNOWN", "LOGIN", "CONTACT", "C					
	38 0 SUBJECT_GL52	(NULL)	["UNKNOWN", "LOGIN", "CONTACT", "CIRCLE", "OWNER", "ADMIN"]	["UNKNOWN", "LOGIN", "CONTACT", "C					

3. 进行测试

注意事项：

- 请求参数 JSON 中表名、字段名、关键词及对应的值都是大小写敏感、逗号敏感、分号敏感、空格敏感、换行敏感
- POST方式对应JSON， GET方式对应 path variable
- 设计规范如下：<https://github.com/Tencent/APIJSON/blob/master/Document.md#3>

3.1 表USER_GL52,PROJECT_GL52进行关联查询

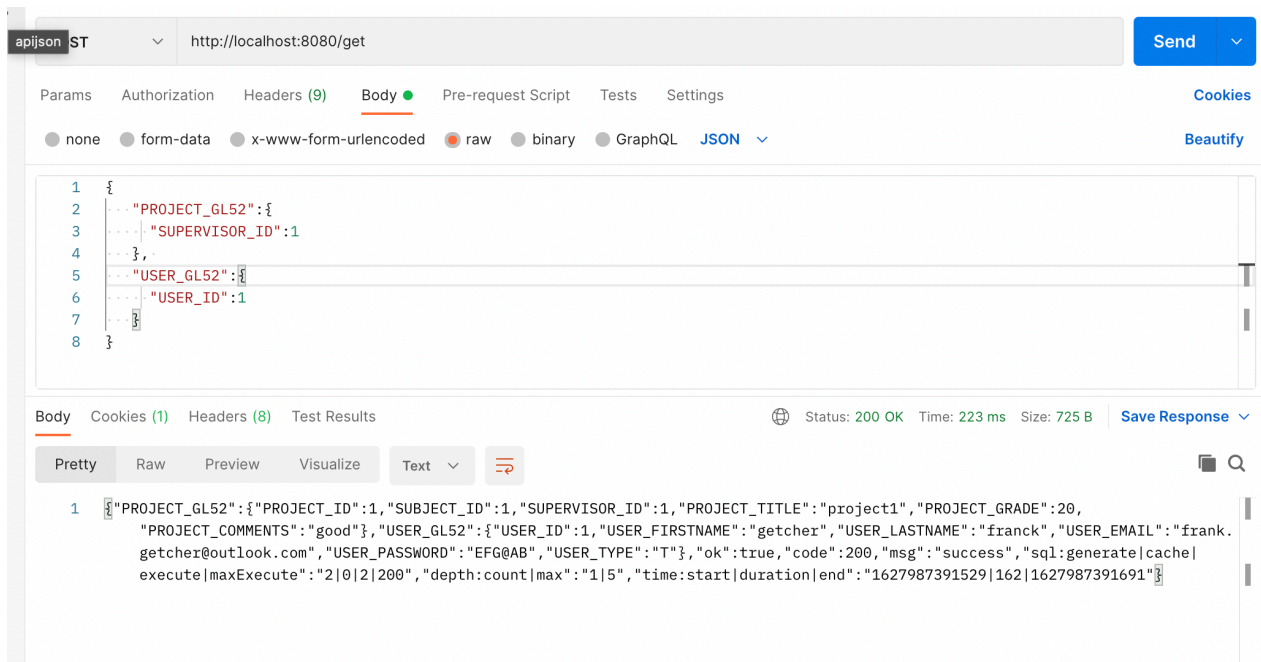
返回所有user_id（对应在project表里字段名为supervisor_id）为1的project以及user的数据

解释：一个project只能有一个supervisor进行管理

一个project里可能有多个user(多个student+一个supervisor)

因此，一个project里有一个字段supervisor_id（同时它是一个user）

每个user都有对应的project



3.2 关联查询并返回指定字段，用于节省流量，提高查询性能

The screenshot displays an API client interface with the following components:

- Header:** Shows the API name "apijson" and the endpoint "http://localhost:8080/get". A "Send" button is on the right.
- Tabs:** Includes "Params", "Authorization", "Headers (9)", "Body" (selected), "Pre-request Script", "Tests", and "Settings".
- Body Tab:** Shows a GraphQL query with a red box highlighting the selection set for the "PROJECT_GL52" field:

```
{ "column": "project_title" }
```

. The full query is:

```
1 {
2   ... "PROJECT_GL52": {
3     ... "SUPERVISOR_ID": 1
4     ... "@column": "project_title"
5   },
6   ... "USER_GL52": {
7     ... "USER_ID": 1,
8     ... "@column": "USER_ID"
9   }
10 }
```
- Response Section:** Shows the status "200 OK", time "70 ms", and size "497 B". A "Save Response" button is present.
- Response Body:** The response is displayed in "Text" format. A red box highlights the selected field:

```
1 { "PROJECT_GL52": { "project_title": "project1" } "USER_GL52": { "USER_ID": 1, "ok": true, "code": 200, "msg": "success", "sql:generate|cache|execute|maxExecute": "2|0|2|200", "depth:count|max": "1|5", "time:start|duration|end": "1627987973310|47|1627987973357" }
```