**APIJSON**

## @TommyLemon

客户端定制服务器返回值

<key,value>

value为空代表服务器返回这个

不为空就是传入参数。服务器根据需要返回的数据所必要的参数去获取数据并返回。

可一次性获取多个非单一接口能获取的数据。以前要么单独获取两次，要么在一个接口放两种数据。

方法一:

<"userId", 10000> - 传入必要的获取

<"user", ""> - 需要返回用户

<"workList",""> - 需要返回作品列表

方法二:最好是客户端传json到服务器，服务器补全json再返回！

请求JSON:

{

operate:get//增删改查方法放请求方法里？GET,POST,UPDATE,DELETE

user:{//根据id获取用户

id:10000

},

work:{//根据id获取作品

id:12

},

pictureUrl[]:{//根据userid和type获取图片地址数组

userId:10000,

type:1,

pageNumber:0,

maxSize:10,

},

}

返回JSON:

{

user:{

id:10000,

name:lemon,

phone:1234567890

},

work:null,

pictureUrl[]:{

http://www.p.com?p=1541,

http://www.p.com?p=223,

http://www.p.com?p=15886,

http://www.p.com?p=46464

},

}

方法三:还是没方法二好

input:{//输入条件

userId:10000,

workId:12,

type:1

}

output:{//输出结果

user:"",//未指定条件，使用缺省userId获取用户

work:{userId,workId},//指定用userId和workId获取作品

}

用单独[]表示array?

列表方案：

一、http://www.test.com/get

\

“[user]”:{

"range":1,

"pageNum":1,

"pageSize":10,

“sortOrder”:”id”,

“sortDirection”:”increase”,

}

“[user,work,[picture]]”:{//按顺序解析；服务器不需要知道客户端的bean类型名

“=”: {“user”:id, “work”:“userId”, “picture”:”userId”}//3者关联方式

"pageNum":1,

“pageSize”:10,

“sortOrder”:”id”,

“sortDirection”:”increase”,

“user”:{//单独对user的条件

“range":RANGE\_NEARBY,

“sex”:SEX\_FEMAIL,

}

“picture”:{//单独对picture的条件

"pageNum":1,

“pageSize":3,

}

}

服务器解析：

String getJson(String json) {

String array = json.split(“,”);

if (array.length > 1) {

for (String a : array) {

add(getJson(a));

}

}

}

二、http://www.test.com/post

“[user:id]”:{//user.id ?

"range":1,

"pageNum":1,

"pageSize":10

“user”:"{pic0,pic1}",

“work”:"{pic0,pic1}",

"picture[]":"{pic0,pic1}"

}

**实现阶段**

一、已经过json校验和传输校验

{

"[]": {//返回一个array

"page": 1,//array条件，页码

"count": 5,//array条件，返回数量，用pageSize必须和pageNum一起用，这个就不需要。

"sortDirection": "increase",

"sortOrder": "/user/id",

"user": {//返回一个object

"range": 1,//object条件

"sex": 0

},

"work": {

"userId": “/user/id”//缺省路径，自动补全，只在同级可用。 // "user.id"

},

"comment[]": {/返回一个array，名为comment。[comment]??

"page": 0,

"count": 3,

"comment": {//Map<[]/comment[]/comment/workId, []/work/id>

"workId": “[]/work/id”//全路径 //“work.id”

}

},

}

}

解析：

1.每解析一个object前赋值path = parentPath + objectName;

2.判断是否含转义路径:如果没有就直接获取，放到一个resultObject内并移除requestObject内对应key-value；如果有就添加到一个Map<key, path> relationMap

3.最后把resultObject的内容根据relationMap用key对应的值 替换requestObject里的

path。

4.根据requestObject再获取一次。

返回数据：

{

"[]":[

{

"comment[]":[//改为这种？{"array":[], "page": 1, "hasMore": true,//服务器还有更多数据(1)}

{

"comment":{

"content":"This is a Content...-68",

"id":68,

"parentId":448,

"targetUserId":959,

"targetUserName":"targetUserName-959",

"userId":2314,

"userName":"userName-92565",

"workId":371

}

},

{

"comment":{

"content":"This is a Content...-13",

"id":13,

"parentId":790,

"targetUserId":7162,

"targetUserName":"targetUserName-7162",

"userId":34,

"userName":"userName-5526",

"workId":371

}

},

{

"comment":{

"content":"This is a Content...-3",

"id":3,

"parentId":725,

"targetUserId":59960,

"targetUserName":"targetUserName-59960",

"userId":82002,

"userName":"userName-85560",

"workId":371

}

},

null//最后一个为null表示没有更多了，否则就是服务器还有更多数据(2)

],

"user":{

"head":"http://www.tooopen.com/view/82002.html",

"id":82002,

"name":"Name-82002",

"phone":"1300082002"

},

"work":{

"content":"This is a Content...-371",

"id":371,

"picture":"http://www.tooopen.com/view/371.html",

"title":"Title-371",

"userId":82002

}

},

{

"comment[]":[

{

"comment":{

"content":"This is a Content...-22",

"id":22,

"parentId":221,

"targetUserId":5904,

"targetUserName":"targetUserName-5904",

"userId":332,

"userName":"userName-11679",

"workId":470

}

},

{

"comment":{

"content":"This is a Content...-4",

"id":4,

"parentId":333,

"targetUserId":14604,

"targetUserName":"targetUserName-14604",

"userId":310,

"userName":"userName-93781",

"workId":470

}

},

{

"comment":{

"content":"This is a Content...-47",

"id":47,

"parentId":788,

"targetUserId":5477,

"targetUserName":"targetUserName-5477",

"userId":10,

"userName":"userName-80271",

"workId":470

}

}

],

"user":{

"head":"http://www.tooopen.com/view/38710.html",

"id":38710,

"name":"Name-38710",

"phone":"1300038710"

},

"work":{

"content":"This is a Content...-470",

"id":470,

"picture":"http://www.tooopen.com/view/470.html",

"title":"Title-470",

"userId":38710

}

},

{

"comment[]":[

{

"comment":{

"content":"This is a Content...-13",

"id":13,

"parentId":238,

"targetUserId":6914,

"targetUserName":"targetUserName-6914",

"userId":64,

"userName":"userName-70118",

"workId":58

}

},

{

"comment":{

"content":"This is a Content...-97",

"id":97,

"parentId":883,

"targetUserId":14326,

"targetUserName":"targetUserName-14326",

"userId":90814,

"userName":"userName-6289",

"workId":58

}

},

{

"comment":{

"content":"This is a Content...-77",

"id":77,

"parentId":110,

"targetUserId":35234,

"targetUserName":"targetUserName-35234",

"userId":90814,

"userName":"userName-94888",

"workId":58

}

}

],

"user":{

"head":"http://www.tooopen.com/view/90814.html",

"id":90814,

"name":"Name-90814",

"phone":"1300090814"

},

"work":{

"content":"This is a Content...-435",

"id":58,

"picture":"http://www.tooopen.com/view/435.html",

"title":"Title-435",

"userId":90814

}

},

{

"comment[]":[

{

"comment":{

"content":"This is a Content...-45",

"id":45,

"parentId":383,

"targetUserId":99700,

"targetUserName":"targetUserName-99700",

"userId":93793,

"userName":"userName-30075",

"workId":301

}

},

{

"comment":{

"content":"This is a Content...-76",

"id":76,

"parentId":142,

"targetUserId":42688,

"targetUserName":"targetUserName-42688",

"userId":93793,

"userName":"userName-20740",

"workId":301

}

},

{

"comment":{

"content":"This is a Content...-51",

"id":51,

"parentId":266,

"targetUserId":8711,

"targetUserName":"targetUserName-8711",

"userId":903,

"userName":"userName-97675",

"workId":301

}

}

],

"user":{

"head":"http://www.tooopen.com/view/93793.html",

"id":93793,

"name":"Name-93793",

"phone":"1300093793"

},

"work":{

"content":"This is a Content...-301",

"id":301,

"picture":"http://www.tooopen.com/view/301.html",

"title":"Title-301",

"userId":93793

}

},

{

"comment[]":[

{

"comment":{

"content":"This is a Content...-54",

"id":54,

"parentId":927,

"targetUserId":62122,

"targetUserName":"targetUserName-62122",

"userId":3,

"userName":"userName-82381",

"workId":170

}

},

{

"comment":{

"content":"This is a Content...-44",

"id":44,

"parentId":505,

"targetUserId":6378,

"targetUserName":"targetUserName-6378",

"userId":7073,

"userName":"userName-88645",

"workId":170

}

},

{

"comment":{

"content":"This is a Content...-99",

"id":99,

"parentId":532,

"targetUserId":7166,

"targetUserName":"targetUserName-7166",

"userId":793,

"userName":"userName-22949",

"workId":170

}

}

],

"user":{

"head":"http://www.tooopen.com/view/70793.html",

"id":70793,

"name":"Name-70793",

"phone":"1300070793"

},

"work":{

"content":"This is a Content...-73",

"id":170,

"picture":"http://www.tooopen.com/view/73.html",

"title":"Title-73",

"userId":70793

}

}

]

}