

1.Introduction

The specific tables what we have now, and which related to Table's Relationship.pdf file. The relationship between each table has been built up in there.

2. Specific task

a. Logtype

All tasks are updated to this table after created. After a client sending a request, check whether there is a waiting task to assign. If there is, link that request with this table.

State's name	Initialization	Description
Logtype_id	L_id	Unique login identity
description	NOT NULL	The content of logtype
Create_time	NOT NULL	Record creation time
Modify_time	NULL	Record modify time
Delete_time	NULL	Record deletion time

*The **logtype_id** will be initialized as a digit value, which represent defferent method.

1. post/task
2. patch /task/:id
3. delete /task/:id
4. get /allocator
5. patch /allocator/:id
6. post /submission/:id
7. get /submission/:id
8. remove assignment because time out

b. Permission

Allow different levels of visitors to do different tasks, their work is limited to their own permissions

State's value	Initialization	Decription
Permission_id	P_id	Represent the client level
Description	NOT NULL	The content of permission
Create_time	NOT NULL	Record creation time
Modify_time	NULL	Record modify time
Delete_time	NULL	Record deletion time

*The P_id represent the different kinds of permission level can be accessed

1. admin
2. internal
3. external

c. State

Determine the current state of the visitor, and assigning a task to him through the state

State's value	Initialization	Description
State_id	S_id	Represent the current status
description	NOT NULL	The content of state
Create_time	NOT NULL	Record creation time
Modify_time	NULL	Record modify time
Delete_time	NULL	Record deletion time

*The S_id will be initialized as digit number for current's status

1. waiting for assignment
2. waiting for accepted
3. waiting for processing
4. finished
5. deleted

d. Type

Reading three kinds of files which distinguished by their own type and we set up the time limit for each process.

State's value	Initialization	Description
Type_id	T_id	Represent the type
Time_limit(interval)	T_value	Limited processing time
description	NOT NULL	The content of type
Create_time	NOT NULL	Record creation time
Modify_time	NULL	Record modify time
Delete_time	NULL	Record deletion time

*The T_id represent defferent kind of type and time_limit could be set by manager

1. texture
2. picture
3. voice

e. Client

The table will record the each current client when they accessed and represent them and set the type of file

State's value	Initialization	Description
Client_id	C_id	Represent different level client
Permission_id	P_id	As a foreign linked by permission
Type_id	T_id	As a foreign linked by type
Description	NOT NULL	The content of client
Create_time	NOT NULL	Record creation time
Modify_time	NULL	Record modify time
Delete_time	NULL	Record deletion time

*Both P_id and T_id has made up of the client and type, which show up entire way.

- 1, 1. admin/texture
- 1, 2. admin/picture
- 2, 1. internal/texture
- 2, 2. internal/picture
- 3, 1. external/texture
- 3, 2. external/picture

f. Task

The task table is most base one which provide the each client matched their own task and set the limitation in time

State's value	Initialization	Description
Task_id	Tk_id	Represent each task
Client_id	C_id	As a foreign linked by client
State_id	S_id	As a foreign linked by state
Type_id	T_id	As a foreign linked by type
File(XML)	NOT NULL	Store the file
Time_limit(interval)	T_value	Limited processing time
description	NOT NULL	The content of task
Create_time	NOT NULL	Record creation time
Modify_time	NULL	Record modify time
Delete_time	NULL	Record deletion time

g. Assignment

Each assignment was inherited from task and it will be handled in here

State's value	Initialization	Description
Assignment_id	A_id	Represent each assignment
Task_id	Tk_id	As a foreign linked by task
Client_id	C_id	As a foreign linked by client
Create_time	NOT NULL	Record creation time
Delete_time	NULL	Record deletion time

h. Response

It get used to client_id and task_id to handle the response

State's value	Initialization	Description
Response_id	R_id	Represent each response
Client_id	C_id	As a foreign linked by client
Task_id	Tk_id	As a foreign linked by task
File(XML)	NOT NULL	Store the file
Description	NOT NULL	The content of response
Create_time	NOT NULL	Record creation time
Delete_time	NULL	Record deletion time