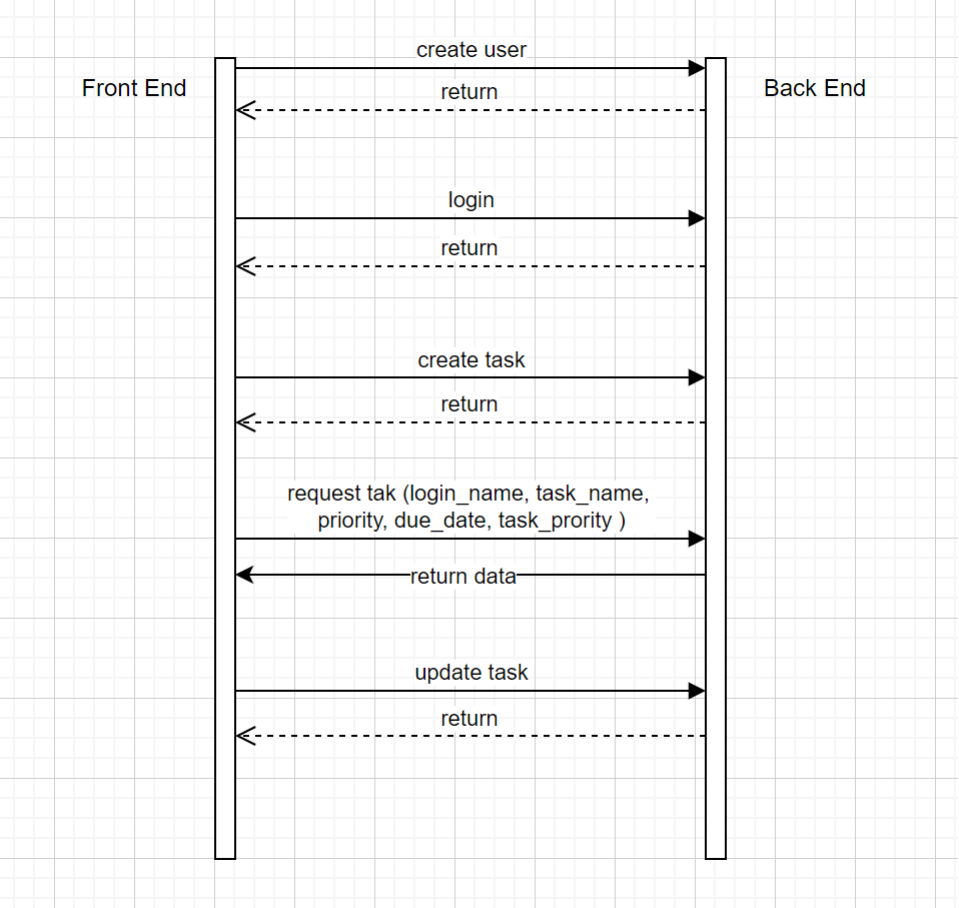
1. Interface



- Registration(create user)：

Input:

{

“loginName”: “Jack”,

“password”: “123456”,

“email”: xxx@qqq.com,

“firstName”: “San”,

“lastName”: “Zhang”

}

Output:

{

“code”:0 stands for success, 1 stands for fail,

“message”: “user successfully created”,

“data”: null

}

➢ Login：

Input:

{

“loginName”: “Jack”,

“password”: “123456”,

}

Output:

{

“code”:0 stands for success, 1 stands for fail,

“message”: “user doesn’t exist”,

“data”: {

“userId”: “124232”,

“loginName”: “Jack”,

“password”: “123456”,

“email”: xxx@qqq.com,

“firstName”: “San”,

“lastName”: “Zhang”

}

}

- Create Task：

Input:

{

“taskName”: “XXX”,

“priority”: 0,

“dueDate”: “2024-11-25”,

“uesrId”: “112321”

}

Output:

{

“code”:0 stands for success, 1 stands for fail,

“message”: “task create successfully”,

“data”: true/false

}

- Request Task：

Input:

{

“userId”: “XXX”,

“priority”: [0,1],

“dueDate”: “2024-11-25”,

“taskStatus”: [0,1]

}

Output:

{

“code”:0 stands for success, 1 stands for fail,

“message”: “xxx”,

“data”: [

{

“taskId”: “12421”,

“taskName”: “XXX”,

“priority”: 0,

“dueDate”: “2024-11-25”,

“taskStatus”: 2,

“uesrId”: “112321”

},

{

“taskId”: “12421”,

“taskName”: “XXX”,

“priority”: 0,

“dueDate”: “2024-11-25”,

“taskStatus”: 2,

“uesrId”: “112321”

}

]

}

- Update Task:

Input:

{

“taskId”: “1242124”

“taskName”: “XXX”,

“priority”: 0,

“dueDate”: “2024-11-25”,

“taskStatus”: 1

}

Output:

{

“code”:0 stands for success, 1 stands for fail,

“message”: “task update successfully”,

“data”: true/false

}

- Delete Task：

Input:

{

“taskId”: “1242124”

}

Output:

{

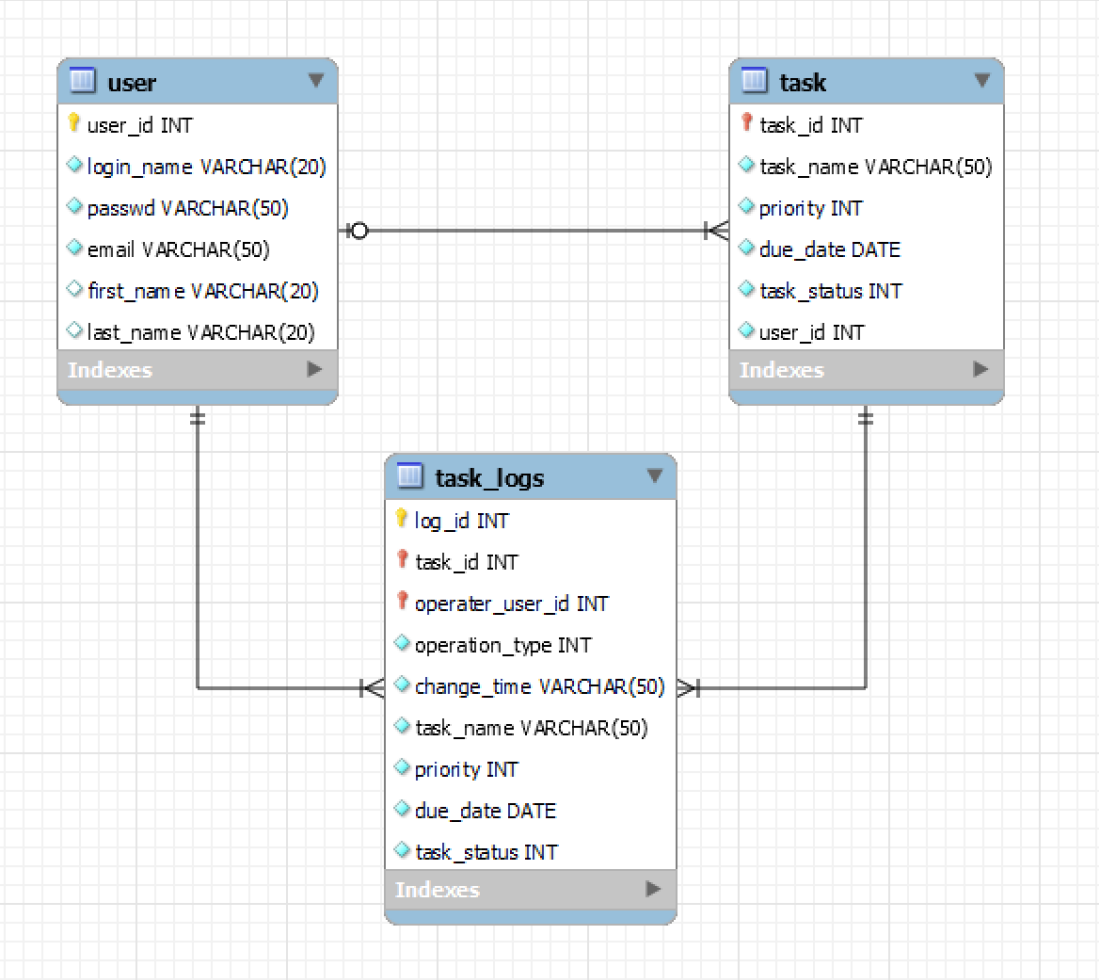
“code”:0 stands for success, 1 stands for fail,

“message”: “task delete successfully”,

“data”: true/false

}

2. Database


user
user_id INT
login_name VARCHAR(20)
passwd VARCHAR(50)
email VARCHAR(50)
first_name VARCHAR(20)
last_name VARCHAR(20)
Indexes
task
task_id INT
task_name VARCHAR(50)
priority INT
due_date DATE
task_status INT
user_id INT
Indexes
task_logs
log_id INT
task_id INT
operater_user_id INT
operation_type INT
change_time VARCHAR(50)
task_name VARCHAR(50)
priority INT
due_date DATE
task_status INT
Indexes

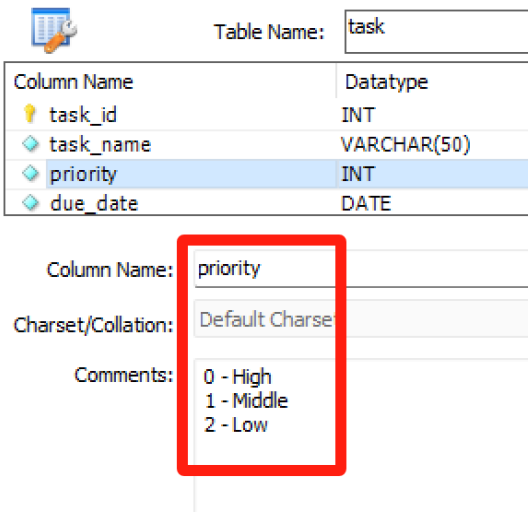
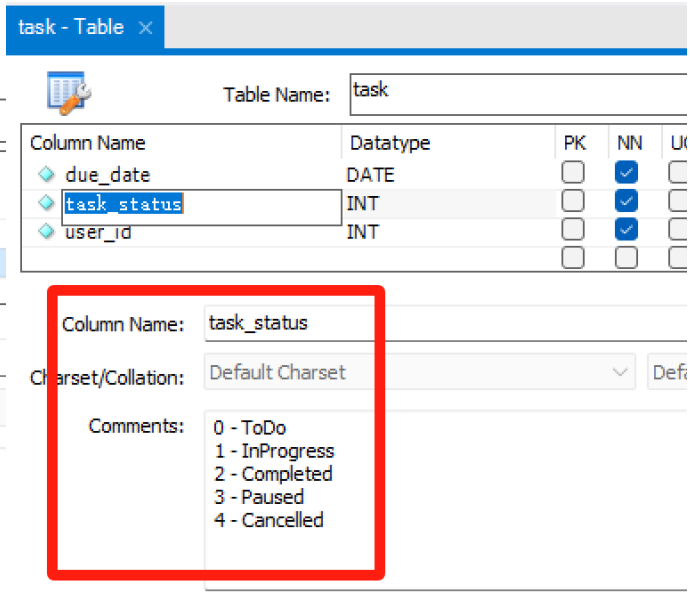


Table Name: task
Column Name
Datatype
task_id
INT
task_name
VARCHAR(50)
priority
INT
due_date
DATE
Column Name: priority
Charset/Collation: Default Charse
Comments:
0 - High
1 - Middle
2 - Low


task - Table
Table Name: task
Column Name
Datatype
PK
NN
due_date
DATE
task_status
INT
user_id
INT
Column Name: task_status
Charset/Collation: Default Charset
Comments:
0 - ToDo
1 - InProgress
2 - Completed
3 - Paused
4 - Cancelled