操作系统 ubuntu 22.04

环境配置

java

安装java17

```
sudo apt update
sudo apt install openjdk-17-jdk
sudo apt install openjdk-17-jre
```

nginx

安装nginx

```
sudo apt-get install nginx
```

```
nignx 配置文件 sites-available/default
##
# You should look at the following URL's in order to grasp a solid understanding
# of Nginx configuration files in order to fully unleash the power of Nginx.
# https://www.nginx.com/resources/wiki/start/
# https://www.nginx.com/resources/wiki/start/topics/tutorials/config_pitfalls/
# https://wiki.debian.org/Nginx/DirectoryStructure
#
# In most cases, administrators will remove this file from sites-enabled/ and
# leave it as reference inside of sites-available where it will continue to be
# updated by the nginx packaging team.
#
# This file will automatically load configuration files provided by other
# applications, such as Drupal or Wordpress. These applications will be made
# available underneath a path with that package name, such as /drupal8.
#
# Please see /usr/share/doc/nginx-doc/examples/ for more detailed examples.
##


# Default server configuration
#


# http {

#     #自定义变量 $connection_upgrade
#     map $http_upgrade $connection_upgrade {
#         default          keep-alive;  #默认为keep-alive 可以支持 一般http请求
#         'websocket'       upgrade;      #如果为websocket 则为 upgrade 可升级的。
#     }

   server {
       listen 80 default_server;
```

```
        listen [::]:80 default_server;



        index index.html index.htm index.nginx-debian.html;

        server_name _;

        location / {
                # First attempt to serve request as file, then
                # as directory, then fall back to displaying a 404.
                try_files $uri $uri/ /index.html;
                root /var/www/html/dist;
                index index.html;
        }
        location /api/{
                proxy_pass  http://127.0.0.1:9090/;
        }
        location /messageApi/{
                proxy_pass  https://uni.apistd.com/;
                proxy_redirect off;
                proxy_set_header Host $http_host;
                proxy_set_header X-Real-IP $remote_addr;
                proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
        }

        # location /api/ {
        #       proxy_pass http://127.0.0.1:9090/;
        #       proxy_http_version 1.1;
        #       proxy_set_header Upgrade $http_upgrade; #此处配置  上面定义的变量
        #       proxy_set_header Connection $connection_upgrade;
        # }
        location /websocketF/ {
            proxy_pass http://127.0.0.1:9091/;
            proxy_http_version 1.1;
            proxy_read_timeout 360s;
            proxy_redirect off;
            proxy_set_header Upgrade $http_upgrade;
            proxy_set_header Connection "upgrade";     #配置连接为升级连接
            proxy_set_header Host $host:$server_port;
            proxy_set_header X-Real-IP $remote_addr;
            proxy_set_header REMOTE-HOST $remote_addr;
            proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
        }

        location /websocketR/ {
            proxy_pass http://127.0.0.1:9092/;
            proxy_http_version 1.1;
            proxy_read_timeout 360s;
            proxy_redirect off;
            proxy_set_header Upgrade $http_upgrade;
            proxy_set_header Connection "upgrade";     #配置连接为升级连接
            proxy_set_header Host $host:$server_port;
            proxy_set_header X-Real-IP $remote_addr;
            proxy_set_header REMOTE-HOST $remote_addr;
            proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
```

```
                }

        }
# }
#server {
#       listen 80 default_server;
#       listen [::]:80 default_server;

        # SSL configuration
        #
        # listen 443 ssl default_server;
        # listen [::]:443 ssl default_server;
        #
        # Note: You should disable gzip for SSL traffic.
        # See: https://bugs.debian.org/773332
        #
        # Read up on ssl_ciphers to ensure a secure configuration.
        # See: https://bugs.debian.org/765782
        #
        # Self signed certs generated by the ssl-cert package
        # Don't use them in a production server!
        #
        # include snippets/snakeoil.conf;

        #root /var/www/html/dist;

        # To allow POST on static pages
        # error_page 405 =200 http://$host$request_uri;
        # Add index.php to the list if you are using PHP
#       index index.html index.htm index.nginx-debian.html;

#       server_name _;

#       location / {
                # First attempt to serve request as file, then
                # as directory, then fall back to displaying a 404.
#               try_files $uri $uri/ /index.html;
#               root /var/www/html/dist;
#               index index.html;
#       }
#       location /api/{
#               proxy_pass  http://127.0.0.1:9090/;
#       }



        # location @405 {
        #   proxy_method GET;
        #   proxy_pass http://localhost:9090;
        # }
        # pass PHP scripts to FastCGI server
        #
        #location ~ \.php$ {
        #   include snippets/fastcgi-php.conf;
        #
```

```
    #    # With php-fpm (or other unix sockets):
    #    fastcgi_pass unix:/run/php/php7.4-fpm.sock;
    #    # With php-cgi (or other tcp sockets):
    #    fastcgi_pass 127.0.0.1:9000;
    #}

    # deny access to .htaccess files, if Apache's document root
    # concurs with nginx's one
    #
    #location ~ /\.ht {
    #    deny all;
    #}
#}


# Virtual Host configuration for example.com
#
# You can move that to a different file under sites-available/ and symlink that
# to sites-enabled/ to enable it.
#
#server {
#    listen 80;
#    listen [::]:80;
#
#    server_name example.com;
#
#    root /var/www/example.com;
#    index index.html;
#
#    location / {
#        try_files $uri $uri/ =404;
#    }
#}
```

```
nginx.conf

user root;
worker_processes auto;
pid /run/nginx.pid;
include /etc/nginx/modules-enabled/*.conf;

events {
    worker_connections 768;
    # multi_accept on;
}

http {

    ##
    # Basic Settings
    ##
```

```
    sendfile on;
    tcp_nopush on;
    types_hash_max_size 2048;
    # server_tokens off;

    # server_names_hash_bucket_size 64;
    # server_name_in_redirect off;

    include /etc/nginx/mime.types;
    default_type application/octet-stream;

    ##
    # SSL Settings
    ##

    ssl_protocols TLSv1 TLSv1.1 TLSv1.2 TLSv1.3; # Dropping SSLv3, ref: POODLE
    ssl_prefer_server_ciphers on;

    ##
    # Logging Settings
    ##

    access_log /var/log/nginx/access.log;
    error_log /var/log/nginx/error.log;

    ##
    # Gzip Settings
    ##

    gzip on;

    # gzip_vary on;
    # gzip_proxied any;
    # gzip_comp_level 6;
    # gzip_buffers 16 8k;
    # gzip_http_version 1.1;
    # gzip_types text/plain text/css application/json application/javascript
text/xml application/xml application/xml+rss text/javascript;

    ##
    # Virtual Host Configs
    ##

    include /etc/nginx/conf.d/*.conf;
    include /etc/nginx/sites-enabled/*;
}


#mail {
#   # See sample authentication script at:
#   # http://wiki.nginx.org/ImapAuthenticateWithApachePhpScript
#
#   # auth_http localhost/auth.php;
#   # pop3_capabilities "TOP" "USER";
#   # imap_capabilities "IMAP4rev1" "UIDPLUS";
```

```
#
#    server {
#        listen      localhost:110;
#        protocol    pop3;
#        proxy       on;
#    }
#
#    server {
#        listen      localhost:143;
#        protocol    imap;
#        proxy       on;
#    }
#}
```

mysql

安装mysql

```
sudo apt install mysql-server
```

```
mysql.conf.d
#
# The MySQL database server configuration file.
#
# One can use all long options that the program supports.
# Run program with --help to get a list of available options and with
# --print-defaults to see which it would actually understand and use.
#
# For explanations see
# http://dev.mysql.com/doc/mysql/en/server-system-variables.html

# Here is entries for some specific programs
# The following values assume you have at least 32M ram

[mysqld]
#
# * Basic Settings
#
user        = mysql
pid-file    = /var/run/mysqld/mysqld.pid
socket  = /var/run/mysqld/mysqld.sock
port        = 3306
datadir = /var/lib/mysql

# If MySQL is running as a replication slave, this should be
# changed. Ref https://dev.mysql.com/doc/refman/8.0/en/server-system-
variables.html#sysvar_tmpdir
# tmpdir          = /tmp
#
# Instead of skip-networking the default is now to listen only on
# localhost which is more compatible and is not less secure.
# bind-address          = 0.0.0.0
```

```
# mysqlx-bind-address    = 0.0.0.0
#
# * Fine Tuning
#
key_buffer_size       = 16M
# max_allowed_packet     = 64M
# thread_stack        = 256K

# thread_cache_size       = -1

# This replaces the startup script and checks MyISAM tables if needed
# the first time they are touched
myisam-recover-options  = BACKUP

# max_connections        = 151

# table_open_cache       = 4000

#
# * Logging and Replication
#
# Both location gets rotated by the cronjob.
#
# Log all queries
# Be aware that this log type is a performance killer.
# general_log_file       = /var/log/mysql/query.log
# general_log            = 1
#
# Error log - should be very few entries.
#
log_error = /var/log/mysql/error.log
#
# Here you can see queries with especially long duration
# slow_query_log         = 1
# slow_query_log_file   = /var/log/mysql/mysql-slow.log
# long_query_time = 2
# log-queries-not-using-indexes
#
# The following can be used as easy to replay backup logs or for replication.
# note: if you are setting up a replication slave, see README.Debian about
#        other settings you may need to change.
# server-id      = 1
# log_bin            = /var/log/mysql/mysql-bin.log
# binlog_expire_logs_seconds     = 2592000
max_binlog_size   = 100M
# binlog_do_db      = include_database_name
# binlog_ignore_db  = include_database_name
```

修改数据库密码为

tjcloudstudyroombackend

建库建表

创建一个叫userdb的数据库

之后按如下sql语句建表

```sql
/*表chat_message*/

SET NAMES utf8mb4;
SET FOREIGN_KEY_CHECKS = 0;

-- ----------------------------
-- Table structure for chat_message
-- ----------------------------
DROP TABLE IF EXISTS `chat_message`;
CREATE TABLE `chat_message`  (
  `id` int NOT NULL AUTO_INCREMENT,
  `from_user` varchar(255) CHARACTER SET utf8mb4 COLLATE utf8mb4_unicode_ci NULL
DEFAULT NULL,
  `to_user` varchar(255) CHARACTER SET utf8mb4 COLLATE utf8mb4_unicode_ci NULL
DEFAULT NULL,
  `text` varchar(1023) CHARACTER SET utf8mb4 COLLATE utf8mb4_unicode_ci NULL
DEFAULT NULL,
  `send_date` datetime NULL DEFAULT NULL,
  PRIMARY KEY (`id`) USING BTREE
) ENGINE = InnoDB AUTO_INCREMENT = 25 CHARACTER SET = utf8mb4 COLLATE =
utf8mb4_unicode_ci ROW_FORMAT = Dynamic;

-- ----------------------------
-- Records of chat_message
-- ----------------------------
INSERT INTO `chat_message` VALUES (1, '1', '2', 'ullamco irure Excepteur
consequat', NULL);
INSERT INTO `chat_message` VALUES (23, '2', '1', 'dolor cillum nisi', NULL);
INSERT INTO `chat_message` VALUES (24, '1', '3', 'dolor cillum nisi', NULL);
INSERT INTO `chat_message` VALUES (25, 'zrz', 'zty2002', '123', NULL);
INSERT INTO `chat_message` VALUES (26, 'zrz', 'zty2002', '123213', NULL);
INSERT INTO `chat_message` VALUES (27, 'zrz', 'zty2002', '231313', NULL);
INSERT INTO `chat_message` VALUES (28, NULL, NULL, 'grgwrsgrsh', '2023-05-31
00:01:53');
INSERT INTO `chat_message` VALUES (29, NULL, NULL, '中', '2023-05-31 00:02:02');
INSERT INTO `chat_message` VALUES (30, NULL, NULL, '嘿嘿嘿🤓', '2023-05-31
01:24:26');
INSERT INTO `chat_message` VALUES (31, NULL, NULL, '6666', '2023-05-31
01:24:38');
INSERT INTO `chat_message` VALUES (32, NULL, NULL, '1231215454', '2023-05-31
03:23:04');
INSERT INTO `chat_message` VALUES (33, NULL, NULL, 'b', '2023-05-31 03:23:09');
```

```sql
INSERT INTO `chat_message` VALUES (34, NULL, NULL, '3', '2023-05-31 03:23:11');
INSERT INTO `chat_message` VALUES (35, NULL, NULL, '3', '2023-05-31 03:23:12');
INSERT INTO `chat_message` VALUES (36, NULL, NULL, '3', '2023-05-31 03:23:13');
INSERT INTO `chat_message` VALUES (37, NULL, NULL, '3', '2023-05-31 03:23:14');
INSERT INTO `chat_message` VALUES (38, NULL, NULL, '3', '2023-05-31 03:23:15');
INSERT INTO `chat_message` VALUES (39, NULL, NULL, '3', '2023-05-31 03:23:16');
INSERT INTO `chat_message` VALUES (40, NULL, NULL, 'vvjnvjdv', '2023-05-31 03:23:21');
INSERT INTO `chat_message` VALUES (41, NULL, NULL, 'vfvvfd', '2023-05-31 03:23:23');
INSERT INTO `chat_message` VALUES (42, NULL, NULL, 'vdvsdvs', '2023-05-31 03:23:25');
INSERT INTO `chat_message` VALUES (43, NULL, NULL, 'sddscds', '2023-05-31 03:23:26');
INSERT INTO `chat_message` VALUES (44, NULL, NULL, 'scxcscsc', '2023-05-31 03:23:28');
INSERT INTO `chat_message` VALUES (45, NULL, NULL, 'czczcz', '2023-05-31 03:23:30');
INSERT INTO `chat_message` VALUES (46, NULL, NULL, 'zxczxczc', '2023-05-31 03:23:32');
INSERT INTO `chat_message` VALUES (47, NULL, NULL, 'czxczxczxc', '2023-05-31 03:23:34');
INSERT INTO `chat_message` VALUES (48, NULL, NULL, 'zczxczxcxzcxzcddff', '2023-05-31 03:23:36');
INSERT INTO `chat_message` VALUES (49, NULL, NULL, 'fdfdg', '2023-05-31 03:24:49');
INSERT INTO `chat_message` VALUES (50, NULL, NULL, '233', '2023-05-31 03:24:52');
INSERT INTO `chat_message` VALUES (51, NULL, NULL, '3', '2023-05-31 03:24:53');
INSERT INTO `chat_message` VALUES (52, NULL, NULL, '3', '2023-05-31 03:24:54');
INSERT INTO `chat_message` VALUES (53, NULL, NULL, '3', '2023-05-31 03:24:55');
INSERT INTO `chat_message` VALUES (54, NULL, NULL, '3', '2023-05-31 03:24:56');
INSERT INTO `chat_message` VALUES (55, NULL, NULL, '3', '2023-05-31 03:24:56');
INSERT INTO `chat_message` VALUES (56, NULL, NULL, '3', '2023-05-31 03:24:57');
INSERT INTO `chat_message` VALUES (57, NULL, NULL, '3', '2023-05-31 03:24:58');
INSERT INTO `chat_message` VALUES (58, NULL, NULL, '3', '2023-05-31 03:24:59');
INSERT INTO `chat_message` VALUES (59, NULL, NULL, '3', '2023-05-31 03:25:00');
INSERT INTO `chat_message` VALUES (60, NULL, NULL, '3', '2023-05-31 03:25:01');
INSERT INTO `chat_message` VALUES (61, NULL, NULL, '333', '2023-05-31 03:25:07');
INSERT INTO `chat_message` VALUES (62, NULL, NULL, '3233', '2023-05-31 03:25:08');
INSERT INTO `chat_message` VALUES (63, NULL, NULL, '323', '2023-05-31 03:25:10');
INSERT INTO `chat_message` VALUES (64, NULL, NULL, '1', '2023-05-31 03:26:16');
INSERT INTO `chat_message` VALUES (65, NULL, NULL, '2', '2023-05-31 03:26:18');
INSERT INTO `chat_message` VALUES (66, NULL, NULL, '3', '2023-05-31 03:26:19');
INSERT INTO `chat_message` VALUES (67, NULL, NULL, '3', '2023-05-31 03:26:21');
INSERT INTO `chat_message` VALUES (68, NULL, NULL, '3', '2023-05-31 03:26:22');
INSERT INTO `chat_message` VALUES (69, NULL, NULL, '3', '2023-05-31 03:26:23');
INSERT INTO `chat_message` VALUES (70, NULL, NULL, '3', '2023-05-31 03:26:24');
INSERT INTO `chat_message` VALUES (71, NULL, NULL, '3', '2023-05-31 03:26:24');
INSERT INTO `chat_message` VALUES (72, NULL, NULL, '3', '2023-05-31 03:26:26');
INSERT INTO `chat_message` VALUES (73, NULL, NULL, '2324124', '2023-05-31 03:27:32');
```

```sql
INSERT INTO `chat_message` VALUES (74, NULL, NULL, '23213213', '2023-05-31
03:27:34');
INSERT INTO `chat_message` VALUES (75, NULL, NULL, '323213', '2023-05-31
03:27:35');
INSERT INTO `chat_message` VALUES (76, NULL, NULL, '321321', '2023-05-31
03:27:36');
INSERT INTO `chat_message` VALUES (77, NULL, NULL, '3231', '2023-05-31
03:27:37');
INSERT INTO `chat_message` VALUES (78, NULL, NULL, '3221321', '2023-05-31
03:27:39');
INSERT INTO `chat_message` VALUES (79, NULL, NULL, '32121321', '2023-05-31
03:27:40');
INSERT INTO `chat_message` VALUES (80, NULL, NULL, '31221321', '2023-05-31
03:27:41');
INSERT INTO `chat_message` VALUES (81, NULL, NULL, '132213321', '2023-05-31
03:27:43');
INSERT INTO `chat_message` VALUES (82, NULL, NULL, '123321', '2023-05-31
03:27:44');
INSERT INTO `chat_message` VALUES (83, NULL, NULL, 'fefwe', '2023-05-31
03:29:13');
INSERT INTO `chat_message` VALUES (84, NULL, NULL, 'ef', '2023-05-31 03:29:14');
INSERT INTO `chat_message` VALUES (85, NULL, NULL, '24324', '2023-05-31
03:29:15');
INSERT INTO `chat_message` VALUES (86, NULL, NULL, '13124', '2023-05-31
03:29:17');
INSERT INTO `chat_message` VALUES (87, NULL, NULL, '4324', '2023-05-31
03:29:18');
INSERT INTO `chat_message` VALUES (88, NULL, NULL, '34324', '2023-05-31
03:29:19');
INSERT INTO `chat_message` VALUES (89, NULL, NULL, '3423', '2023-05-31
03:29:21');
INSERT INTO `chat_message` VALUES (90, NULL, NULL, '434', '2023-05-31
03:29:21');
INSERT INTO `chat_message` VALUES (91, NULL, NULL, '434', '2023-05-31
03:29:22');
INSERT INTO `chat_message` VALUES (92, NULL, NULL, '3213', '2023-05-31
03:30:09');
INSERT INTO `chat_message` VALUES (93, NULL, NULL, '33', '2023-05-31 03:30:11');
INSERT INTO `chat_message` VALUES (94, NULL, NULL, '3', '2023-05-31 03:30:12');
INSERT INTO `chat_message` VALUES (95, NULL, NULL, '3', '2023-05-31 03:30:13');
INSERT INTO `chat_message` VALUES (96, NULL, NULL, '3', '2023-05-31 03:30:14');
INSERT INTO `chat_message` VALUES (97, NULL, NULL, '3', '2023-05-31 03:30:15');
INSERT INTO `chat_message` VALUES (98, NULL, NULL, '3', '2023-05-31 03:30:16');
INSERT INTO `chat_message` VALUES (99, NULL, NULL, '3', '2023-05-31 03:30:17');
INSERT INTO `chat_message` VALUES (100, NULL, NULL, '3', '2023-05-31 03:30:17');
INSERT INTO `chat_message` VALUES (101, NULL, NULL, '3', '2023-05-31 03:31:28');
INSERT INTO `chat_message` VALUES (102, NULL, NULL, '343', '2023-05-31
03:31:29');
INSERT INTO `chat_message` VALUES (103, NULL, NULL, '34344', '2023-05-31
03:31:30');
INSERT INTO `chat_message` VALUES (104, NULL, NULL, '433443', '2023-05-31
03:31:32');
INSERT INTO `chat_message` VALUES (105, NULL, NULL, '434334', '2023-05-31
03:31:33');
```

```sql
INSERT INTO `chat_message` VALUES (106, NULL, NULL, '12', '2023-05-31
03:35:51');
INSERT INTO `chat_message` VALUES (107, NULL, NULL, '1', '2023-05-31 03:35:52');
INSERT INTO `chat_message` VALUES (108, NULL, NULL, '1', '2023-05-31 03:35:52');
INSERT INTO `chat_message` VALUES (109, NULL, NULL, '1', '2023-05-31 03:35:53');
INSERT INTO `chat_message` VALUES (110, NULL, NULL, '1', '2023-05-31 03:35:54');
INSERT INTO `chat_message` VALUES (111, NULL, NULL, '1', '2023-05-31 03:35:55');
INSERT INTO `chat_message` VALUES (112, NULL, NULL, '1', '2023-05-31 03:35:56');
INSERT INTO `chat_message` VALUES (113, NULL, NULL, '1', '2023-05-31 03:35:57');
INSERT INTO `chat_message` VALUES (114, NULL, NULL, '1', '2023-05-31 03:35:58');
INSERT INTO `chat_message` VALUES (115, NULL, NULL, '1', '2023-05-31 03:35:59');
INSERT INTO `chat_message` VALUES (116, NULL, NULL, 'vbfv', '2023-05-31
03:36:00');
INSERT INTO `chat_message` VALUES (117, NULL, NULL, 'cv', '2023-05-31
03:36:01');
INSERT INTO `chat_message` VALUES (118, NULL, NULL, 'cbcv', '2023-05-31
03:36:02');
INSERT INTO `chat_message` VALUES (119, NULL, NULL, 'xcvxcv', '2023-05-31
03:36:04');
INSERT INTO `chat_message` VALUES (120, NULL, NULL, 'xcvxcv', '2023-05-31
03:36:05');
INSERT INTO `chat_message` VALUES (121, NULL, NULL, 'xvcv', '2023-05-31
03:36:06');
INSERT INTO `chat_message` VALUES (122, NULL, NULL, '21313', '2023-05-31
03:54:35');
INSERT INTO `chat_message` VALUES (123, NULL, NULL, '1232132', '2023-05-31
03:55:47');
INSERT INTO `chat_message` VALUES (124, NULL, NULL, '23', '2023-05-31
03:55:48');
INSERT INTO `chat_message` VALUES (125, NULL, NULL, '3', '2023-05-31 03:55:50');
INSERT INTO `chat_message` VALUES (126, NULL, NULL, '3', '2023-05-31 03:55:51');
INSERT INTO `chat_message` VALUES (127, NULL, NULL, '3', '2023-05-31 03:55:51');
INSERT INTO `chat_message` VALUES (128, NULL, NULL, '3', '2023-05-31 03:55:52');
INSERT INTO `chat_message` VALUES (129, NULL, NULL, '3', '2023-05-31 03:55:53');
INSERT INTO `chat_message` VALUES (130, NULL, NULL, '3', '2023-05-31 03:55:54');
INSERT INTO `chat_message` VALUES (131, NULL, NULL, '3', '2023-05-31 03:55:55');
INSERT INTO `chat_message` VALUES (132, NULL, NULL, '3fvfc', '2023-05-31
03:55:57');
INSERT INTO `chat_message` VALUES (133, NULL, NULL, 'vccv', '2023-05-31
03:55:58');
INSERT INTO `chat_message` VALUES (134, NULL, NULL, '12', '2023-05-31
03:57:11');
INSERT INTO `chat_message` VALUES (135, NULL, NULL, '2', '2023-05-31 03:57:12');
INSERT INTO `chat_message` VALUES (136, NULL, NULL, '2121', '2023-05-31
03:57:13');
INSERT INTO `chat_message` VALUES (137, NULL, NULL, '2121', '2023-05-31
03:57:14');
INSERT INTO `chat_message` VALUES (138, NULL, NULL, 'dsfdsf', '2023-05-31
03:57:16');
INSERT INTO `chat_message` VALUES (139, NULL, NULL, 'w3rews', '2023-05-31
03:57:17');
INSERT INTO `chat_message` VALUES (140, NULL, NULL, 'r32432', '2023-05-31
03:57:19');
INSERT INTO `chat_message` VALUES (141, NULL, NULL, 'dsfcx hjh liu', '2023-05-31
03:57:21');
```

```sql
INSERT INTO `chat_message` VALUES (142, NULL, NULL, ' gdf', '2023-05-31
03:57:25');
INSERT INTO `chat_message` VALUES (143, NULL, NULL, 'efrd ', '2023-05-31
03:57:27');
INSERT INTO `chat_message` VALUES (144, NULL, NULL, 'fgf', '2023-05-31
03:57:29');
INSERT INTO `chat_message` VALUES (145, NULL, NULL, '12', '2023-05-31
03:58:11');
INSERT INTO `chat_message` VALUES (146, NULL, NULL, '2', '2023-05-31 03:58:12');
INSERT INTO `chat_message` VALUES (147, NULL, NULL, 'vf', '2023-05-31
03:58:13');
INSERT INTO `chat_message` VALUES (148, NULL, NULL, 'fdsf', '2023-05-31
03:58:14');
INSERT INTO `chat_message` VALUES (149, NULL, NULL, 'fdsfs', '2023-05-31
03:58:15');
INSERT INTO `chat_message` VALUES (150, NULL, NULL, 'sdfdsfs', '2023-05-31
03:58:16');
INSERT INTO `chat_message` VALUES (151, NULL, NULL, 'sdfdsf', '2023-05-31
03:58:17');
INSERT INTO `chat_message` VALUES (152, NULL, NULL, 'fdsfds', '2023-05-31
03:58:18');
INSERT INTO `chat_message` VALUES (153, NULL, NULL, 'fdsf', '2023-05-31
03:58:19');
INSERT INTO `chat_message` VALUES (154, NULL, NULL, 'fvgf', '2023-05-31
03:58:20');
INSERT INTO `chat_message` VALUES (155, NULL, NULL, '你好', '2023-05-31
04:13:31');
INSERT INTO `chat_message` VALUES (156, NULL, NULL, 'nihao', '2023-05-31
04:13:47');
INSERT INTO `chat_message` VALUES (157, NULL, NULL, 'ee', '2023-05-31
04:14:20');
INSERT INTO `chat_message` VALUES (158, 'zty2002', 'zrz', '嘿嘿', '2023-05-31
04:16:12');
INSERT INTO `chat_message` VALUES (159, 'zrz', 'zty2002', '嘿嘿', '2023-05-31
04:16:19');
INSERT INTO `chat_message` VALUES (160, 'zty2002', 'zrz', '你好', '2023-05-31
04:17:21');
INSERT INTO `chat_message` VALUES (161, 'zrz', 'zty2002', '我不好', '2023-05-31
04:17:30');
INSERT INTO `chat_message` VALUES (162, 'zty2002', 'zrz', '呃呃', '2023-05-31
04:17:35');
INSERT INTO `chat_message` VALUES (163, 'zrz', 'zty2002', '饿啊', '2023-05-31
04:17:41');
INSERT INTO `chat_message` VALUES (164, 'zrz', 'zty2002', 'kusi', '2023-05-31
05:54:12');
INSERT INTO `chat_message` VALUES (165, 'zty2002', 'zrz', '死了', '2023-05-31
05:56:49');
INSERT INTO `chat_message` VALUES (166, 'zrz', 'zty2002', 'jilou', '2023-05-31
05:57:05');
INSERT INTO `chat_message` VALUES (167, 'zty2002', 'zrz', '啊啊啊', '2023-05-31
05:58:29');
INSERT INTO `chat_message` VALUES (168, 'zrz', 'zty2002', 'zxczxc', '2023-05-31
05:58:38');
INSERT INTO `chat_message` VALUES (169, 'zty2002', 'zrz', 'ad', '2023-05-31
05:58:45');
```

```sql
INSERT INTO `chat_message` VALUES (170, 'zrz', 'zty2002', 'ddddd', '2023-05-31
05:59:21');

SET FOREIGN_KEY_CHECKS = 1;
```

/*表user_info*/

```sql
SET NAMES utf8mb4;
SET FOREIGN_KEY_CHECKS = 0;

-- ----------------------------
-- Table structure for user_info
-- ----------------------------
DROP TABLE IF EXISTS `user_info`;
CREATE TABLE `user_info`  (
  `uid` int NOT NULL AUTO_INCREMENT COMMENT '用户ID',
  `user_name` varchar(255) CHARACTER SET utf8 COLLATE utf8_bin NOT NULL COMMENT
'用户名',
  `pwd` varchar(255) CHARACTER SET utf8 COLLATE utf8_bin NOT NULL COMMENT '用户密
码',
  `sex` varchar(4) CHARACTER SET utf8 COLLATE utf8_bin NULL DEFAULT NULL COMMENT
'性别',
  `major` varchar(255) CHARACTER SET utf8 COLLATE utf8_bin NULL DEFAULT NULL
COMMENT '专业',
  `grade` varchar(255) CHARACTER SET utf8 COLLATE utf8_bin NULL DEFAULT NULL
COMMENT '年级',
  `education_level` varchar(255) CHARACTER SET utf8 COLLATE utf8_bin NULL
DEFAULT NULL COMMENT '培养层次',
  `phone_number` bigint NULL DEFAULT NULL COMMENT '电话号码',
  `mail_address` varchar(255) CHARACTER SET utf8 COLLATE utf8_bin NULL DEFAULT
NULL COMMENT '邮箱',
  `online_state` bit(1) NOT NULL COMMENT '在线状态',
  `login_time` bigint NULL DEFAULT NULL COMMENT '登陆时间',
  `room_id` int NULL DEFAULT NULL COMMENT '房间ID',
  `room_enter_time` datetime NULL DEFAULT NULL COMMENT '顾名思义',
  `picture` varchar(255) CHARACTER SET utf32 COLLATE utf32_general_ci NULL
DEFAULT '' COMMENT '头像',
  PRIMARY KEY (`uid`) USING BTREE
) ENGINE = InnoDB AUTO_INCREMENT = 42 CHARACTER SET = utf8 COLLATE = utf8_bin
COMMENT = '用户信息表' ROW_FORMAT = DYNAMIC;

-- ----------------------------
-- Records of user_info
-- ----------------------------
INSERT INTO `user_info` VALUES (28, 'zrz', '25d55ad283aa400af464c76d713c07ad',
'男', 'CS', '二年级', '本科', 18017715065, '未知', b'1', 1685455033616, 0, '2023-
05-30 16:28:27',
'http://localhost:9090/files/8213e93dcf954bcdabddc1e3234d612a_blank.jpg');
INSERT INTO `user_info` VALUES (29, 'admin', '123456', '未知', '未知', '未知', '未
知', 1234567890, '111', b'0', NULL, 0, NULL, '');
INSERT INTO `user_info` VALUES (30, '蔡洋', 'labore sit in ea occaecat', '男', '未
知', '未知', 'esse Du', 41, 'e.oosaqogtq@qq.com', b'0', NULL, 0, NULL,
'http://dummyimage.com/400x400');
```

```sql
INSERT INTO `user_info` VALUES (31, '2', '123456', '未知', '未知', '未知', '未知',
0, '未知', b'0', NULL, 0, NULL, '');
INSERT INTO `user_info` VALUES (32, '3', '123456', '未知', '未知', '未知', '未知',
0, '未知', b'0', NULL, 0, NULL, '');
INSERT INTO `user_info` VALUES (33, '4', '123456', '未知', '未知', '未知', '未知',
0, '未知', b'0', NULL, 0, NULL, '');
INSERT INTO `user_info` VALUES (34, '郝伟', 'enim', '男', 'id', '未知', 'eu temp',
6, 'x.usswxdr@qq.com', b'0', NULL, 0, NULL, 'http://dummyimage.com/400x400');
INSERT INTO `user_info` VALUES (35, '余霞', 'dolore mollit adipisicing', '男', '未
知', 'laboris ', 'Lorem', 36, 'k.qkejvz@qq.com', b'1', NULL, 0, NULL,
'http://dummyimage.com/400x400');
INSERT INTO `user_info` VALUES (37, 'kkk', '111', '男', '未知', '未知', '未知', 0,
'未知', b'0', NULL, 0, NULL, '');
INSERT INTO `user_info` VALUES (38, 'adx', '111', '男', '未知', '未知', '未知', 0,
'未知', b'0', NULL, 0, NULL, '');
INSERT INTO `user_info` VALUES (39, 'zty2002',
'1bbd886460827015e5d605ed44252251', '未知', 'CS', '一年级', '本科', 18600785163,
'未知', b'1', 1685445762487, 1, '2023-05-29 02:58:31',
'http://localhost:9090/files/182df323f82a443989b16b64fb42fdf9_9ef74aaf4fee4a808b
5df7211baf9dfe_1(1)(1).jpg');
INSERT INTO `user_info` VALUES (40, 'zx45', '25d55ad283aa400af464c76d713c07ad',
'未知', '未知', '未知', '未知', 13213197115, '未知', b'0', 1685439719102, 0, '2023-
05-29 00:47:58', '');
INSERT INTO `user_info` VALUES (41, 'Amber', '25d55ad283aa400af464c76d713c07ad',
'未知', '未知', '未知', '未知', 13156874571, '未知', b'1', 1685453371527, 0, NULL,
'http://localhost:9090/files/3ba555d78f054c37bf5dee4c2a1fd152_16fbed7b7fbe1a005d
7cdba393e90ca.jpg');

SET FOREIGN_KEY_CHECKS = 1;
```

```sql
/*表friend_info*/
SET NAMES utf8mb4;
SET FOREIGN_KEY_CHECKS = 0;

-- ----------------------------
-- Table structure for friend_info
-- ----------------------------
DROP TABLE IF EXISTS `friend_info`;
CREATE TABLE `friend_info`  (
  `id` int NOT NULL AUTO_INCREMENT COMMENT '好友数据的主键',
  `user_id` int NULL DEFAULT NULL COMMENT '好友关系的一方',
  `friend_id` int NULL DEFAULT NULL COMMENT '好友关系的另一方',
  PRIMARY KEY (`id`) USING BTREE
) ENGINE = InnoDB AUTO_INCREMENT = 43 CHARACTER SET = utf8 COLLATE = utf8_bin
ROW_FORMAT = DYNAMIC;

-- ----------------------------
-- Records of friend_info
-- ----------------------------
INSERT INTO `friend_info` VALUES (37, 28, 40);
INSERT INTO `friend_info` VALUES (38, 40, 28);
INSERT INTO `friend_info` VALUES (39, 39, 40);
INSERT INTO `friend_info` VALUES (40, 40, 39);
INSERT INTO `friend_info` VALUES (41, 28, 39);
```

```sql
INSERT INTO `friend_info` VALUES (42, 39, 28);

SET FOREIGN_KEY_CHECKS = 1;
```

```sql
/*表new_friend_message*/
SET NAMES utf8mb4;
SET FOREIGN_KEY_CHECKS = 0;

-- ----------------------------
-- Table structure for new_friend_message
-- ----------------------------
DROP TABLE IF EXISTS `new_friend_message`;
CREATE TABLE `new_friend_message`  (
  `id` int NOT NULL AUTO_INCREMENT,
  `sender_id` int NULL DEFAULT NULL,
  `receiver_id` int NOT NULL,
  `state` int NULL DEFAULT NULL,
  `send_time` datetime NULL DEFAULT NULL,
  PRIMARY KEY (`id`) USING BTREE
) ENGINE = InnoDB AUTO_INCREMENT = 21 CHARACTER SET = utf8 COLLATE = utf8_bin
ROW_FORMAT = DYNAMIC;

-- ----------------------------
-- Records of new_friend_message
-- ----------------------------
INSERT INTO `new_friend_message` VALUES (1, 28, 39, 1, '2023-05-27 22:44:59');
INSERT INTO `new_friend_message` VALUES (2, 28, 29, 0, '2023-05-28 01:03:44');
INSERT INTO `new_friend_message` VALUES (4, 28, 29, 0, '2023-05-28 01:28:45');
INSERT INTO `new_friend_message` VALUES (5, 28, 29, 0, '2023-05-28 21:33:20');
INSERT INTO `new_friend_message` VALUES (6, 28, 39, 1, '2023-05-28 21:52:36');
INSERT INTO `new_friend_message` VALUES (7, 39, 28, 1, '2023-05-28 22:02:58');
INSERT INTO `new_friend_message` VALUES (8, 40, 28, 1, '2023-05-28 22:09:13');
INSERT INTO `new_friend_message` VALUES (9, 40, 39, 1, '2023-05-28 22:09:20');
INSERT INTO `new_friend_message` VALUES (10, 40, 28, 1, '2023-05-28 22:43:16');
INSERT INTO `new_friend_message` VALUES (11, 40, 28, 1, '2023-05-28 22:44:29');
INSERT INTO `new_friend_message` VALUES (12, 40, 28, 1, '2023-05-28 22:45:50');
INSERT INTO `new_friend_message` VALUES (13, 40, 28, 1, '2023-05-28 22:56:35');
INSERT INTO `new_friend_message` VALUES (14, 40, 28, 1, '2023-05-28 22:57:13');
INSERT INTO `new_friend_message` VALUES (15, 40, 39, 1, '2023-05-28 22:57:19');
INSERT INTO `new_friend_message` VALUES (16, 40, 28, 1, '2023-05-28 22:59:09');
INSERT INTO `new_friend_message` VALUES (17, 40, 39, 1, '2023-05-28 22:59:15');
INSERT INTO `new_friend_message` VALUES (18, 40, 28, 1, '2023-05-28 23:01:08');
INSERT INTO `new_friend_message` VALUES (19, 40, 28, 1, '2023-05-28 23:01:28');
INSERT INTO `new_friend_message` VALUES (20, 40, 39, 1, '2023-05-28 23:07:12');
INSERT INTO `new_friend_message` VALUES (21, 39, 28, 1, '2023-05-29 02:41:03');

SET FOREIGN_KEY_CHECKS = 1;
```

```sql
/*表room_info*/
```

```sql
SET NAMES utf8mb4;
SET FOREIGN_KEY_CHECKS = 0;

-- ----------------------------
-- Table structure for room_info
-- ----------------------------
DROP TABLE IF EXISTS `room_info`;
CREATE TABLE `room_info`  (
  `rid` int NOT NULL AUTO_INCREMENT COMMENT '房间编号',
  `fixed` int NULL DEFAULT NULL COMMENT '是否为系统原始的固定房间',
  `max_num` int NULL DEFAULT NULL COMMENT '房间人数上限',
  `pre_num` int NOT NULL COMMENT '当前房间人数',
  `room_name` varchar(255) CHARACTER SET utf8 COLLATE utf8_bin NULL DEFAULT NULL
COMMENT '房间名称',
  `room_announcement` varchar(255) CHARACTER SET utf8 COLLATE utf8_bin NULL
DEFAULT NULL COMMENT '房间公告',
  `room_password` varchar(255) CHARACTER SET utf8 COLLATE utf8_bin NULL DEFAULT
NULL COMMENT '房间密码',
  `start_time` datetime NULL DEFAULT NULL COMMENT '房间建立时间',
  `room_owner` int NOT NULL,
  PRIMARY KEY (`rid`) USING BTREE
) ENGINE = InnoDB AUTO_INCREMENT = 107 CHARACTER SET = utf8 COLLATE = utf8_bin
ROW_FORMAT = DYNAMIC;

-- ----------------------------
-- Records of room_info
-- ----------------------------
INSERT INTO `room_info` VALUES (1, 1, 20, 2, 'test111', 'test', '12345678',
'2023-05-28 21:10:08', 28);

SET FOREIGN_KEY_CHECKS = 1;
```

```sql
/*表time_table*/
SET NAMES utf8mb4;
SET FOREIGN_KEY_CHECKS = 0;

-- ----------------------------
-- Table structure for time_table
-- ----------------------------
DROP TABLE IF EXISTS `time_table`;
CREATE TABLE `time_table`  (
  `cid` int NOT NULL AUTO_INCREMENT,
  `uid` int NOT NULL COMMENT '课程所属用户',
  `weekday` int NOT NULL COMMENT '课程上课时间',
  `title` varchar(255) CHARACTER SET utf8 COLLATE utf8_bin NULL DEFAULT NULL
COMMENT '课程名称',
  `location` varchar(255) CHARACTER SET utf8 COLLATE utf8_bin NULL DEFAULT NULL
COMMENT '上课地点',
  `start` int NOT NULL COMMENT '课程开始时间',
  `end` int NOT NULL COMMENT '课程结束时间',
  `color` varchar(255) CHARACTER SET utf8 COLLATE utf8_bin NULL DEFAULT NULL
COMMENT '课程表示的颜色',
```

```
    PRIMARY KEY (`cid`) USING BTREE
) ENGINE = InnoDB AUTO_INCREMENT = 84 CHARACTER SET = utf8 COLLATE = utf8_bin
ROW_FORMAT = DYNAMIC;


-- ----------------------------
-- Records of time_table
-- ----------------------------
INSERT INTO `time_table` VALUES (59, 88, 4, '又八时化最', 'culpa Duis
consectetur', 3, 11, 'et');
INSERT INTO `time_table` VALUES (61, 72, 6, '者声重新', 'occaecat in', 3, 10,
'veniam sed reprehenderit eiusmod do');
INSERT INTO `time_table` VALUES (62, 56, 7, '自西表行', 'fugiat incididunt laboris
sed', 2, 11, 'in labore nisi dolor');
INSERT INTO `time_table` VALUES (63, 29, 7, '自西表行', 'fugiat incididunt laboris
sed', 2, 11, 'in labore nisi dolor');
INSERT INTO `time_table` VALUES (74, 57, 3, '路今连求证展', 'esse cupidatat labore
in', 2, 9, 'Ut');
INSERT INTO `time_table` VALUES (75, 28, 1, '666', 'aaa', 2, 4, '#D5DEFF');
INSERT INTO `time_table` VALUES (76, 28, 1, '99', '9', 5, 6, NULL);
INSERT INTO `time_table` VALUES (79, 39, 1, '111', '111', 3, 3, NULL);
INSERT INTO `time_table` VALUES (81, 39, 2, '1111', '1111', 2, 3, NULL);


SET FOREIGN_KEY_CHECKS = 1;
```

项目部署

将前端vue项目打包

```
npm -run build
```

将build生成的dist上传至/var/www/html/下

在/var/www/html/dist下创建userImg文件夹

重启nginx

```
sudo systemctl stop nginx
sudo systemctl start nginx
```

运行后端服务

```
java -jar 9090.jar
java -jar 9091.jar
java -jar 9092.jar
```