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#define SOCKETCLIENT H
#include <arpa/inet.h>
#include <sys/socket.h>
#include <unistd.h>
#include <iostream>
#include <vector>
#include "SocketsUtils.h"
#include "SocketException.h"
extern pthread_mutex_t mutex_pause;
using namespace std;
class ClientSocket
private:
    int _socket;
public:
    ClientSocket(const char* ip, const int port);
    ClientSocket(const int socket_fd);
    ClientSocket(const ClientSocket& other);
    ~ClientSocket() {};
    ClientSocket& operator=(const ClientSocket& other);
    int get_socket_fd() const { return this->_socket; }
    // Envoie une donnée
    template <class T>
    inline ssize_t send(const T *data)
    {
        return this->send<T>(data, 1);
    }
    // Envoie un vecteur de données
    template <class T>
    inline ssize t send(const void *data, size t length)
    {
        ssize t total = 0;
        while (total < (ssize_t) (sizeof (T) * length)) {</pre>
             ssize_t ret = socket_utils::send(
                 this->_socket, (const char *) data + total,
                 length * sizeof (T) - total, 0
            );
            if (ret == -1)
                 throw SocketException("Envoi incomplet des donnees");
            total += ret;
        }
        return total;
    }
    inline void send_string(char *data)
        char c;
        do {
            c = *data;
            this->send<char>(&c);
            data++;
        } while (c != '\0');
    }
    // Reçoit une donnée
    template <class T>
    inline ssize_t receive(T *data)
    {
        return this->receive<T>(data, 1);
    }
    // Reçoit un vecteur de données
    template <class T>
    inline ssize t receive(void *data, size t length)
    {
        ssize t total = 0:
        while (total < (ssize_t) (sizeof (T) * length)) {</pre>
               Vérifie que le serveur n'est pas en pause
            pthread_mutex_lock(&mutex_pause);
            pthread mutex unlock(&mutex pause);
            ssize t ret = socket utils::recv(
```

#ifndef SOCKETCLIENT H