```
#include "Buffer.h"
#include "events.h"
#include "protocol.h"
Buffer::Buffer():count_(0)
{
    InitializeCriticalSection(&cs_);
    hEvent_ = CreateEvent(NULL, TRUE, FALSE, COMMOUT_START_EVENT);
}
void Buffer::send(Packet p) {
    EnterCriticalSection(&cs_);
    packetList_.push_front(p);
    if(count_ == 0) { // buffer is empty
        SetEvent(hEvent_);
    }
    count_++;
    LeaveCriticalSection(&cs_);
}
Packet Buffer::peek() {
    EnterCriticalSection(&cs_);
    Packet p = packetList_.back(); // Kyle is a goof
    LeaveCriticalSection(&cs_);
    return p;
}
void Buffer::pop() {
    EnterCriticalSection(&cs_);
    packetList_.pop_back();
    count_--;
    LeaveCriticalSection(&cs_);
}
bool Buffer::danger() {
    return count_ >= BUFFMAX;
}
bool Buffer::safe() {
    return count_ <= BUFFMIN;</pre>
}
bool Buffer::empty() {
    if(count_==0)
        return true;
```

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```
return false;
}
```