Project 1 LIST Protocol

```
┌────────┐                                    ┌────────┐
│ Client │                                    │ Server │
└────────┘                                    └────────┘
```

SUCMSHeader
{type = MSG_COMMAND,
msg_len= (length of data
not counting SUCMSHeader)
CommandMessage
{command=COMMAND_LIST, ...}

→ SUCMSHeader + CommandMessage + username →

SUCMSHeader
{type=MSG_COMMAND_RESPONSE, ...}
CommandResponse{result_id=X,
message_count=Y,message_data_size=0,
response_code=(one of SUCMSCommandResponses),
...}

← SUCMSHeader + CommandResponse ←

SUCMSHeader
{type = MSG_COMMAND,
msg_len= (length of data
not counting SUCMSHeader)
CommandMessage
{command=COMMAND_CLIENT_GET_RESULT, ...}
SUCMSClientGetResult{result_id=X,
command_type=COMMAND_LIST}

→ SUCMSHeader + CommandMessage + username + SUCMSClientGetResult →

loop **[for message number 0 to Y-1]**

SUCMSHeader{type=MSG_LIST_RESPONSE,...}
SUCMSFileListResult{result_id=X,
message_number=[0,Y-1]}
SUCMSFileInfo{filename_len=(length of filename),
filesize_bytes=(size of file)}

← SUCMSHeader + SUCMSFileListResult + [SUCMSFileInfo + filename] ←