WebSocketFileTransfer simple workflow

Client	Server

Connection to WebSocket server → Accept connection

Receive connection accept

auth ?
- Nope
- Yes

AUTH : {
    "login": "username",
    "password": "password"
}

Send AUTH informations to server → Receive AUTH informations

Correct informations ?
- No
- Yes

{
    "type": "AUTH",
    "message": "Auth success message",
    "code": 200
}

send AUTH accept to client

send AUTH to refuse client

Receive AUTH response

{
    "type": "AUTH",
    "message": "Auth failed message",
    "code": 403
}

logged ?
- Nope
- Yes

Send STOR message → Receive STOR

{
    "filename": "filename.ext",
    "size": sizeInOctets,
    "type": "binary"
}

Initialize target file resource

Send STOR accept to client

All data sent ?
- Yes
- Nope

{
    "type": "STOR",
    "message": "Upload initialized. Waiting for data",
    "code": 200
}

Send DATA with a chunk of the file

<data as binary or base64 encoded>

Receive DATA

Append data to target file resource

Send DATA confirmation

{
    "type": "STOR",
    "bytesRead": numberOfBytesReaded,
    "code": 200
}

Close the connection

Connection closed with client

Close target file resource and save it