# **Specific Requirements Andrew**

## **Functional Requirements**

### **Common Requirements:**

3.1.1.1 Users should be allowed to log in using their issued id and pin, both of which are alphanumeric strings between 6 and 20 characters in length.

3.1.1.2 The system should provide HTML-based help pages on each screen that describe the purpose of each function within the system.

3.1.1.3 Users able to fetch file.

3.1.1.4 Able to process upload and distribute file to multiple nodes.

3.1.1.5 Server able to log every action and saved log for at least 30 days.

### **Server Module Requirements:**

3.1.2.1 Server should be able to keep a log of which users pushed a request.

3.1.2.2 Server should be able to send requested files to user

3.1.2.3 Files sent should not be able to be edited \* double check on this one\*

3.1.2.4 Able to differentiate between user levels based on authentication provided

### **Client Module Requirements:**

3.1.3.1 Client able to push requests for files

3.1.3.2 Client able to look at list of available files and choose desired file from list

3.1.2.3 Client can upload their files through the server on their personal node

3.1.2.4 Client is not able to modify files that are not their own \*double check on this one\*

3.1.2.5 Able to log in using id and pin to gain access to server

### **Persistence Module Requirements:**

3.1.4.1

## **External Interface Requirements**

3.2.1 There has to be an easy to follow and easy to understand GUI for users.

3.2.2 Interfaced has to be HTML based.

## **Internal Interface Requirements**

3.3.1 Every action that server process will be log into Persistence module, with date and time stamp.

3.3.2 Any file type and any size will be accepted.

3.3.3 Any file that is uploaded will need to be saved to 2 or more nodes.

3.3.4 The log will be saved as a .txt file up to 30 days.