Error Code 1
Description: When a file is not found in a server
Actor: User/Client
Precondition: User is connected to the server
Assumption:
Main Sequence:
1. Client sends a read request with the file name to the server
2. The server then checks the validity of the request by processing it, but realizes the file does not exist on the server
3. The server then sends an error message to the client
4. Closes connection

Post Conditions: An error must be sent to the client
Alternative Sequence: N/A

Error Code 2 Part 1
Description: Access violation, when a client is trying to read a file that they do not have the right authorization to read
Actor:User/Client
Precondition:User is connected to the server
Main Sequence:
1. Client sends a read request with the file name to the server
2. The server then checks the validity of the request and verifies the clients authentication
3. The client does not have the proper authentication to read
4. An error is sent to the client that informs them the client is trying to read a file that they do not have the proper authorization for
Post Conditions: The client can not read the file
Alternative Sequence: Error code 2 Write

Error Code 2 Part 2
Description: Access violation, when a client is trying to write to a file that they do not have the right authorization to write to
Actor:User/Client
Precondition: User is connected to the server
Main Sequence:
1.Client sends a write request with the file name to the server
2.The server then checks the validity of the request and verifies the client authentication
3.The client does not have the proper authentication to write to the file
4.An error is sent to the client that informs them the client is trying to write to a file that they do not have the proper authorization for
Post Conditions: The client can not write to the file
Alternative Sequence: Error code 2 Part 1

Error Code 3 Part 1
Description: The server has a full disk and is unable to write anything else to the file on the server
Actor:User/Client
Precondition: User is connected to the server
Main Sequence:
 1.Client sends a write request with the file name to the server
 2.The server then checks the validity of the request and send an acknowledgment back
 3.The file transfer begins and the data is sent in blocks of 512 bytes
 4.The server receives this data but realizes that the disk is full
 5.Sends an error to the client that the disk is to full to intake the date to write to the file
Post Conditions: The server's disk is full
Alternative Sequence: N/A

Error Code 3 Part 2
Description: The client has a full disk and is unable to read the data the server provides it
Actor:User/Client
Precondition: User is connected to the server
Main Sequence:
 1.Client sends a read request with the file name to the server
 2.The server then checks the validity of the request and sends data back
 3.The clients disk is full and is unable to take any more data in
 4. Sends the server an error that notifies it that the severs disk is to full and it's unable to accept the data that the server is providing it.
Post Conditions: The clients disk is full
Alternative Sequence: N/A

Error Code 6 Part 1
Description: The client is notified that the file already exists
Actor:User/Client
Precondition:
1.User is connected to the server
2. File requested to write to must already exist in the server
Main Sequence:
 1.Client sends a write request with the file name to the server
 2.The server then checks the validity of the request and sends acknowledgement back
 3.The server then realized that the file that the client is trying to write to already exists
 4. The server then sends an error message to the client notifying them that the file that they want written to already exists.
Post Conditions: N/A
Alternative Sequence: Error Code 6 Part 2

Error Code 6 Part 2

Description: The client is notified that the file already exists

Actor:User/Client

Precondition:

1.User is connected to the server

2. File requested to read from must already exist in the server

Main Sequence:

      1.Client sends a read request with the file name to the server

      2.The server then checks the validity of the request and sends data back

      3.The server then realized that the file that the client is trying to read a file that already exists

      4. The server then sends an error message to the client notifying them that the file that they want to read from already exists

Post Conditions: N/A

Alternative Sequence: N/A