

RFC

This document demonstrates the Post Office Protocol version three which I used and the commands that I implemented.

USERN name

Arguments:

A string identifying the mailbox, and this is required as a first step to gain access

Restrictions:

This is given separately from the password and so an unauthorised user knows that they have gotten what they've got wrong between the user name and the password and so could brute force the user name till they get it right.

Discuss:

To authenticate both the user name (USERN) and password must be correct. If the user name is correct then the server responds back with a 250 okay as it's the right user name and then the next state is the password. If the user name is wrong an error message will come back from the server saying 400 user names is incorrect. The client may also put a quit command which will end the connection between the client and server.

PASSW

Arguments:

A string required for the second part of the authentication process

Restrictions:

This has the same restriction as the user name as it is given separately from the password and so an unauthorised user knows that they have gotten what they've got wrong between the user name and the password and so could brute force the user name till they get it right.

Discuss:

For authentication the password is the final step if its correct then the server responds back with a 250 okay and then the clients allowed to access the messages. If the Password is wrong an error message will come back from the server saying 400 password is incorrect. The client may also put a quit command which will end the connection between the client and server.

MSG

Arguments:

A string that displays all the message in the mail box

Restrictions:

Can't specify which mail you want e.g. by recipient

Discuss: After the authentication process has taken place then the client can ask to display the messages and if they wish, they can quit using the quit command to end the connection between the client and server.

DELETE

Arguments:

Restrictions: can only delete the file

Discuss: Once this command has been executed then the file will be deleted.

HELP

Arguments: none

Restrictions:

Discuss: Displays what commands are available e.g. helo,noop, msg.

NOOP

Arguments: none

Restrictions:

Discuss: The server responds with a positive response e.g. 250 ok