

Assignment 2

[100 marks]

As part of this assignment, you will implement a file sharing and management system.
Programming language allowed: **Java**

Following are the requirements that must be met to complete the assignment -

1- Account creation cmd: create_user `username`	[5 marks] [5]
2- File management	[35 marks]
2.1: <i>upload files to server</i> cmd: upload `filename` cmd : upload_udp `filename`	[10] [10]
2.2: <i>create folder on server</i> cmd: create_folder `foldername`	[5]
2.3: <i>move files to/among folder</i> cmd: move_file `source_path` `dest_path`	[10]
3- Group management	[50 marks]
3.1 <i>Create group</i> cmd: create_group `groupname`	[5]
3.2 <i>List groups</i> cmd: list_groups	[5]
3.3 <i>Join/leave group</i> cmd: join_group `groupname` cmd: leave_group `groupname`	[5]
3.3 <i>List users and user files with path in a group</i> cmd: list_detail `groupname`	[10]
3.4 <i>Share message in group</i> cmd: share_msg `message text`	[10]
3.5 <i>Download file from any user in group</i> cmd: get_file `groupname/username/file_path`	[15]
The system should be able to run on multiple machines. Server on one machine and clients on other machines	[10 marks] (-10 marks if not done)

NOTE: Strict actions would be taken against anyone found involved in any kind of plagiarism either from the internet or from other students.

