

Programming assignment # 2 (Test verification document)

Sr No.	Test Case Description	Expected Result	Actual Result	Status of Test
1.	Starting the server 1.Enter the port to which server is to be bind.	Server should bind to the entered port	Get message "Server ready"	Passed.
2.	Trying to register same port again. 1.Enter port number which is already registered.	Server will not start. As two servers cannot bind to same port	Exception is thrown.	Passed.
3.	Registering Peer with the server 1. Enter peer Id 2. Enter port number 3. Enter directory 4. Enter the Super Peer you want to connect to	Peer should get registered with the server.	Registration Success.	Passed.
4.	Registering Peer with the server 1. Enter peed Id that already exists 2. Enter port number already exists 3. Enter Directory already exists. 4. Enter the Super Peer you want to connect to	Peer should not get registered.	Registration Failure	Passed.
5.	Registering Peer with the server 1. Enter peer Id 2. Enter port number 3. Enter directory 4. Enter the Super Peer port which is not initiated.	Should not be able to register to the super peer.	Exception is thrown.	Passed.
6.	Searching for a file remote super-peer in the server 1. File name should be	The nearest super-peer where the file is	Peer where the file is available is displayed.	Passed.

	entered by the peer, as in the same case as the file is registered and with the file format.	available is displayed.		
7.	Connecting to the peer entered by the other peer to download the file 1. Peer Id should be entered by the other peer who wants to download the file.	The file should get downloaded to the peer directory from where the request is coming.	File downloaded at the requesting peer directory.	Passed.
8.	Entering wrong peer id to download locally	Should not download the file	Exception Is thrown	Passed.
9.	Modify file. 1.Select 2 option to modify file 2. Enter file name.	File version changed, and message propagated to all the peers.	Server receives message saying file old in version should be modified.	Passed.
10.	Modify file not owned by the super-peer. 1.Select 2 option to modify file 2. Enter file name.	File should not be modified if the super-peer to which the peer is connected is owner of the file.	Get a message saying "File not owned by server cannot modify"	Passed.
11.	Push the modified file info to all the peers. 1.Select 2 option to modify file. 2. Option 1 for push request.	The file version which is out-of-date is propagated to all the peers.	File name which its old version number displayed.	Passed.
12.	Pull Approach 1. 1. Trigger the Refresh scheduler. 2. Trigger the Pull request scheduler.	The file which are inconsistent with the original file version are discarded.	File deleted from the downloaded peer if they are cached .	Passed.
13.	Pull Approach 2. 1.Modify file. 2.Trigger Refresh scheduler. 3. Select option 4 "Poll" request.	If original file version changed, discard the file.	File deleted from the downloaded peer and new version available for download.	Passed.