

Sr No	Description	Expected Results	Actual Results	Status
1	Super Peer Initialization via property file	Super peer should ask its Peer id and all details are fetched from property files	Super peer fetches all details from property file using assigned Super Peer Id	Pass
2	Leaf Node Initialization via property file	Leaf Node should ask its Peer id and all details should be fetched from property files	Leaf Node fetches all details from property file using assigned Leaf Node Id	Pass
3	Registration of Peers at Indexing Server  Peer registerying port number, directory path containing the files, the Peer id and its super peer id	Leaf Node should get registered in Indexing server(Super Peer).	Leaf Node's Indexing Server/Super Peer registers all the provided details in Index.	Pass
4	Leaf Node entering random text when prompted Search,Delete or Exit input	It should throw an message for selecting a proper input	Message is being displayed when wrong input given "Please select appropriate choice"	Pass
5	If leaf node didnt enter the file name or enter wrong file name which is not present its own super peer and any other neighbouring peer	It should return an message specifying "No files found"	An Error message is not being shown for this testing scenario. There is a Bug.	Fail
6	When searching a file or sending a query request to a super peer (In case of Query Hit)	Super Peer should return a list of its Leaf nodes along with neighbouring super peer's leaf nodes having that specified file.	Super Peer calls Leaf node Query hit() and returns the details of its own leaf nodes and also leaf nodes details of other super peers	Pass
7	When searching a file or sending a query request to a super peer (In case of query miss)	If no super peers have the specified file, they should return nothing and does not call QueryHit()	After Searching, super peer doesn't do any thing.	Pass
8	In All to All Topology, requesting Super Peer forwarding query()	In All-to-All topology, requesting Super Peer should forward query() to all super peers	Super Peer fetches all its neighbouring details from property file and forwards query() to all super peers. It also make sure that neighbouring super peer will not broadcast query() again in loop.	Pass

9	In linear Topology, requesting Super Peer forwarding query()	In linear topology, requesting Super Peer should forward query() to only one neighbouring super peer	Super Peer forwards the query request only to one super peer. It also make sure the request super peer wont get the query() from other super peer(loop)	Pass
10	Entering wrong name from the Leaf Node list having the requested file	It should return an error message for not selecting proper leaf node id	An error message is displayed where it asks user to re-enter the searching choice.	Pass
11	After downloading a file, updating the index server/Super peer	Leaf node should automatically update its super peer index about new downloaded file	Leaf Node does an entry at its super peer and updates the Index.	Pass
12	For Deletion, Leaf node didn't enter the file name or enter wrong file name which is not present in that Leaf node	It should return an error message	An Error message is being thrown saying "Sorry, File which you are searching doesn't exist in our Server"	Pass
13	If Leaf Node 3 is selecting Leaf node 5 for downloading the requested file and at the same time Leaf node 5 is deleting the file	Error message should be shown.	An message is thrown saying "File is not present in remote location"	Pass
14	Leaf Node deleting a file from its directory	Leaf Node should automatically update the index server about the deletion	Leaf Node initiates an request to its super peer to remove the file entry from the Index	Pass
15	One Leaf node crashes down abruptly and another Leaf node wants to download the file from that Leaf node	An Exception should occur while downloading the file	A Java Connection Refuse exception occurred. " Connection refused to host: "	Pass