Programming Assignment 2

MAINTAINING FILE CONSISTENCY IN YOUR GNUTELLA-STYLE P2P SYSTEM

CS550 – Advanced Operating System

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Test Cases:

Test Case ID	T001
Test Case description	Running peerClient before running the Peerserver of other peers
Test Data	*java peer.PeerDriver Peer1 localhost 5001 localhost 5000 localhost 5002*
Steps	Enter
Expected result	Connection of peer
Actual Result	Connection exception

Test Case ID	T002
Test Case description	Running ant -buildfile build_Linear without giving .xml
Test Data	ant -buildfile build_Linear
Steps	Enter
Expected result	Opening of all the peers CP
Actual Result	build_Linear does not exist!

Test Case ID	T003
Test Case description	Running ant –buildfile rmibuild.xml peer9
Test Data	*Running the ant file without giving the ant target name*
Steps	Enter
Expected result	Opening of all the rmi registry
Actual Result	Only one rmi registry opens

Test Case ID	T004
Test Case description	Choose an update protocol settings. Choose your choice: for the option whether Push or Pull Protocol
Test Data	Choose an update protocol settings. Enter number matching an option:
Steps	3
Expected result	IOException
Actual Result	Please enter a valid input

Test Case ID	T005
Test Case description	Enter The Option and filename/Peer name: with option Download file from other peer, calculate average response time, edit the file, exit
Test Data	Enter The Option and filename/Peer name:
Steps	5
Expected result	IOException
Actual Result	Please enter a valid input

Test Case ID	T006
Test Case description	Choose an update protocol settings. Choose your choice: for the option whether Push or Pull Protocol
Test Data	Choose an update protocol settings. Enter number matching an option
Steps	E
Expected result	InputMismatchException
Actual Result	java.util.InputMismatchException

Test Case ID	T007
Test Case description	Not choosing the option for which peer has been displayed
Test Data	E
Steps	Enter
Expected result	Usage: <task #> <filename or Peer_name>
Actual Result	Usage: <task #> <filename or Peer_name>

Test Case ID	T008
Test Case description	How do you want to handle stale files? Enter number matching an option: for handling with the test files with delete old files, redownload, ignore and continue
Test Data	**How do you want to handle stale files? Enter number matching an option:**
Steps	4
Expected result	IOException
Actual Result	Please enter a valid input

Test Case ID	T009
Test Case description	How do you want to handle stale files? Enter number matching an option: for handling with the test files with delete old files, redownload, ignore and continue
Test Data	**How do you want to handle stale files? Enter number matching an option:**
Steps	2
Expected result	Enter The Option and filename/Peer name: menu
Actual Result	Enter The Option and filename/Peer name: menu

Test Case ID	T010
Test Case description	Enter The Option and filename/Peer name: with option Download file from other peer, calculate average response time, edit the file, exit
Test Data	Enter The Option and filename/Peer name:
Steps	4
Expected result	Exit
Actual Result	System Exit