Two Phase Commit

* The zip file contains DLab2 folder and the readme(this) file.
* There is src folder inside DLab2 which contains 5 java files.
* MultiServer - This file contains entire code of the server.
* MultiClient,2,3 - This file contains entire code of the client.
* Coordinator- This file contains entire code of coordinator
* Server.txt file is used to maintain the communication taking place in clients. As this file has been a local path in the code, the path can be altered to see the working functionality. Although I have provided a sample conversation between 4 clients logged by the server. This text file can be opened in WordPad for better readability of file.
* MultiServer.java file must run first followed by Coordinator.java then three Multiclient java file will run.
* Some of the parameters in this have been statically defined to achieve http format.
* Timer is of 20 seconds and commit or abort is requested within that interval. To start a new transaction the program must run again.
* Whenever any client sends “logout” message, the client is removed from active client list and the message is broadcasted to other active clients in the network.
* Comments have been provided in the entire code for better understanding of the code.
* Not Much emphasis is given on implementing GUI. As said in Project description, Plain text area and button has been made. Also coordinator crashing functionality is partially implemented.

References-

Mahrsee, Rishabh. “Multi-Threaded Chat Application.” GeeksforGeeks, 17 June 2017, www.geeksforgeeks.org/multi-threaded-chat-application-set-1/.

Mahrsee, Rishabh. "Multi-Threaded Chat Application." GeeksforGeeks, 17 June 2017, www.geeksforgeeks.org///Pseudo-code from Chapter 8 of Textbook

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//http://www.java2s.com/Tutorials/Java/java.nio.file/Files/Java\_Files\_readAllBytes\_Path\_path\_.htm-chat-application-set-2/.

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