Genevieve Leach

CS 380

5 October 2017

Project 1

GitHub link: <https://github.com/genevieveleach/school-projects/tree/master/CS%20380/Project%201>

**Source Code**

*ChatClient.java*

**import** java.io.\*;  
**import** java.net.Socket;  
  
**public class** ChatClient {  
  
 **public static void** main(String[] args) {  
 **try** {  
 Socket socket = **new** Socket(**"18.221.102.182"**, 38001);  
 InputStream is = socket.getInputStream();  
 InputStreamReader isr = **new** InputStreamReader(is, **"UTF-8"**);  
 BufferedReader br = **new** BufferedReader(isr);  
  
 OutputStream os = socket.getOutputStream();  
 PrintStream out = **new** PrintStream(os, **true**, **"UTF-8"**);  
 BufferedReader kb = **new** BufferedReader(**new** InputStreamReader(System.***in***));  
  
 Runnable listener = () -> {  
 System.***out***.println(**"Established server connection."**);  
 **while**(socket.isConnected()) {  
 **try** {  
 String in;  
 in = br.readLine();  
 **if** (in != **null**) {  
 **if** (in.trim().equals(**"Name in use."**)) {  
 System.***out***.println(in + **" Please try another nickname."**);  
 System.*exit*(0);  
 } **else if** (in.trim().equals(**"Connection idle for 1 minute, closing connection."**)) {  
 System.***out***.println(in);  
 System.*exit*(0);  
 }  
 System.***out***.println(in);  
 } **else** {  
 *// do nothing* }  
 } **catch** (IOException e) {  
 e.printStackTrace();  
 }  
 }  
 };  
  
 System.***out***.print(**"Username: "**);  
 out.println(kb.readLine());  
  
 Thread read = **new** Thread(listener);  
 read.start();  
  
 **while**(socket.isConnected()) {  
 out.println(kb.readLine());  
 }  
  
 } **catch** (IOException e) {  
 e.printStackTrace();  
 }  
 }  
}