**CS 145 ME 4**

Deadline: Fri, 02/23/18 11:59 pm

**Problem Description**

We will now implement a basic protocol to our client-server program. The client will send specially formatted messages to the server, which the server will **automatically** reply to. (There should not be any user input on the server).

The following are our Message Types or Packets.

* TIME – The server replies with the current time (see the Java Date class)
* MY NAME IS \_\_\_\_\_\_ – The server replies with a "Hello, <your name>"
* JOKE TIME – The server tells a joke (up to you). **Your joke must span multiple lines.** (see sample)
* QUIT – The server-client conversation will continue until the client sends a QUIT message
* Any other message sent by the client that does not conform to the above message types will be replied to by a "I can't understand what you're saying" message

The following is a sample dialog from the **client's** point of view

Client tries to connect to server…

Client connected!

Enter Message: MY NAME IS mario

Server: Hello, mario

Enter Message: TIME

Server: The time is now Mon Feb 9 06:24:09 PHT 2015

Enter Message: JOKE TIME

Server: P1: Knock knock

Server: P2: Who is there?

Server: P1: Ako maba.

Server: P2: Ako maba who?

Server: P1: Hahahaha, mabaho ka LOL

Enter Message: Gah, ang corny mo!

Server: I can't understand what you're saying

Enter Message: QUIT

Server: Goodbye

**Submission guidelines**

Filenames are Client.java, Server.java and MyConnection.java. All of these you will put into a single compressed zip file with the filename *CS145ME4LastnameFirstname.zip*.

Please submit this zip to the following email address. Please also use the following email subject as shown by the sample below:

**Email:** [**mtcarreon@dcs.upd.edu.ph**](mailto:mtcarreon@dcs.upd.edu.ph)

**Subject: CS 145 ME4 – Carreon, Mario** *(sample only, change this to your name)*

Deadline of this ME is on Fri, 02/23/18 11:59 pm. Only completely working solutions will be accepted. You are only allowed to submit once. Source code not following the **specified filename format or email subject** will also not be accepted. No late submissions will be accepted.

If you have any questions, please write an email directly to me with subject *CS 145 ME4 Question*. Don’t use our googlegroups for this.