TK1: Distributed Systems - Programming & Algorithms

3. Programming Assignment
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By handing in a solution you confirm that you are the exclusive author(s) of all the materials. Additional information can be found here: https://www.informatik.tu-darmstadt.de/de/sonstiges/plagiarismus/

Micro Blog via JMS (20 P.)

Implement a Micro Blog System which handles the communication using the publish/subscribe paradigm. To implement the solution you have to use the Java Message Service (JMS). Any user of the system acts as producer and consumer at the same time.

Functional Requirements:
- The GUI asks the user name to login on startup.
- Every user can publish messages and can add tags for every message.
- Every user can subscribe other users or tags.
- JMS coordination: There is no server anymore. Therefore, each client manages his own blog and exchanges the related information with the other clients.

Non Functional Requirements:
- Use the Model-View-Control pattern
- Use Apache ActiveMQ Version **5.6.0** as message broker.
  (http://activemq.apache.org/download.html).
  You can install it in the VM by executing the command
  "**sudo apt-get install activemq**".
- We will start an ActiveMQ for your submissions, you don't need to start it in the ANT script
- Use an ANT-Script to start two clients!