Week06 Communications

Due Oct 15 by 11:59pm   **Points** 50   **Submitting** a file upload

Available after Sep 25 at 12am

week06

This assignment spans two weeks. The details below discuss expectations for the team. You need to meet as a team in the first week and send me a summary of the meeting via email. Specify which team, team members, topics discussed and who has actions. You will need to meet many times, but I need the first meeting documented and submitted to me by email.

Reading:

Chapter 17 Text

Media:

[lecture_week06.pptx](#)

[week06_assignment.mp4](#)

Tutorials:

http://www.tutorialspoint.com/java/java_networking.htm   [(http://www.tutorialspoint.com/java/java_networking.htm)](http://www.tutorialspoint.com/java/java_networking.htm)
http://docs.oracle.com/javase/tutorial/networking/sockets/
[(http://docs.oracle.com/javase/tutorial/networking/sockets/)](http://docs.oracle.com/javase/tutorial/networking/sockets/)
http://www.javatpoint.com/socket-programming   [(http://www.javatpoint.com/socket-programming)](http://www.javatpoint.com/socket-programming)

Assignment: Team Assignment - same as week04

Create week06 package

This assignment is the most challenging so far. We will keep the same teams for this assignment.

In this assignment, there is a sample implementation that shows how to create TCP/IP communications between two processes and pass some data across. The sample is a command line chat, so there is a protocol, a client and server component and threads.

Your assignment will be to implement sending the XML from a LogInRequest from one process/thread instance to another process/thread instance and to convert it back into a LogInRequest, then return a LogInResponse, serialize the XML across the same connection, reconstruct the LogInRequest object so the business layer can operate on it.

You will need to use the logging infrastructure, the XmlUtility, and the existing util classes. The UML (class diagrams and sequence diagrams) will be the specification provided. You will be adapting the sample communications code to send the XML instead of chat data.
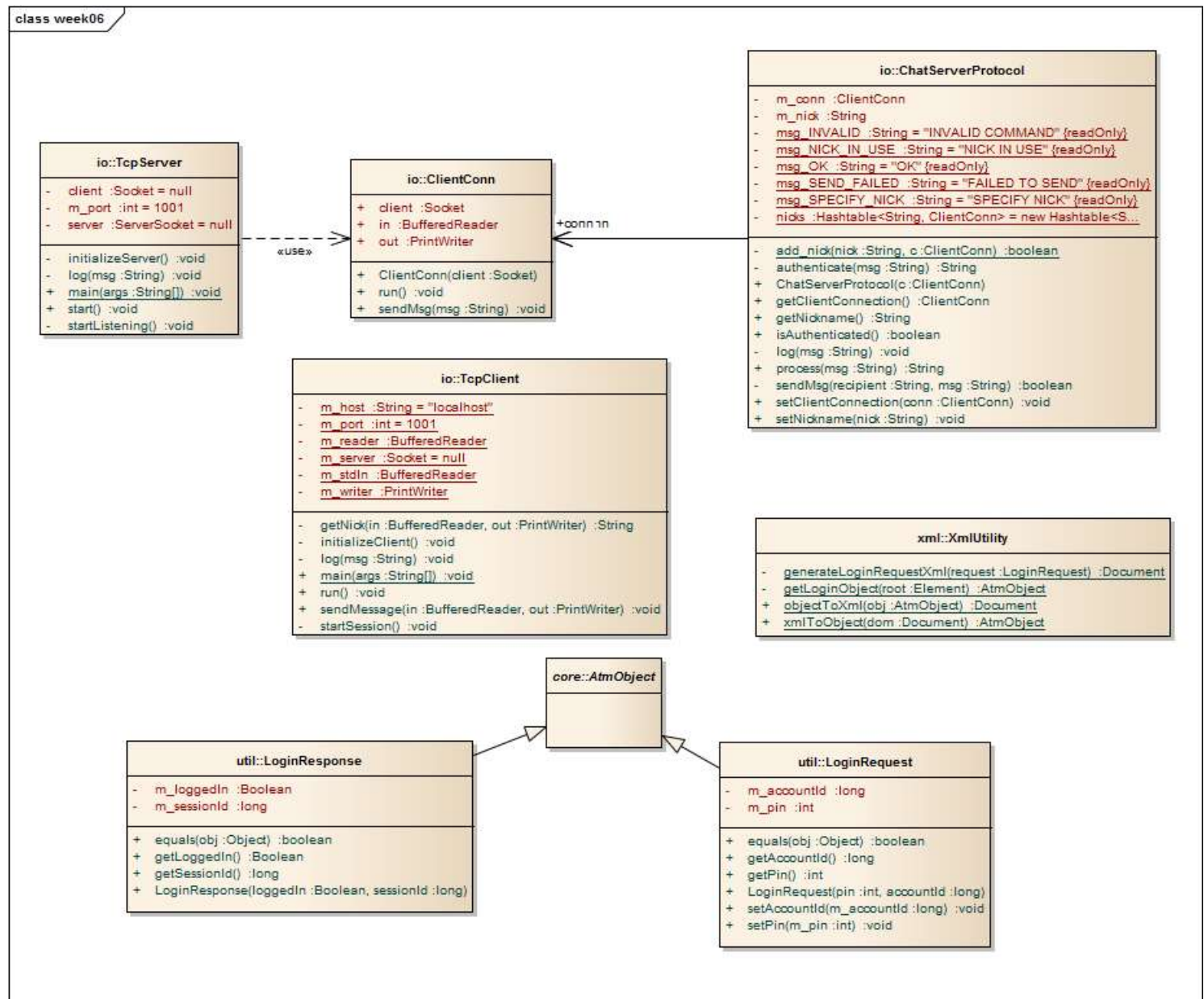
The scope

This is a team assignment. Your team needs to meet and document each meeting. Each team member will submit the same code to their assignment drop for this assignment. Part of your grade is showing you developed this as a team..
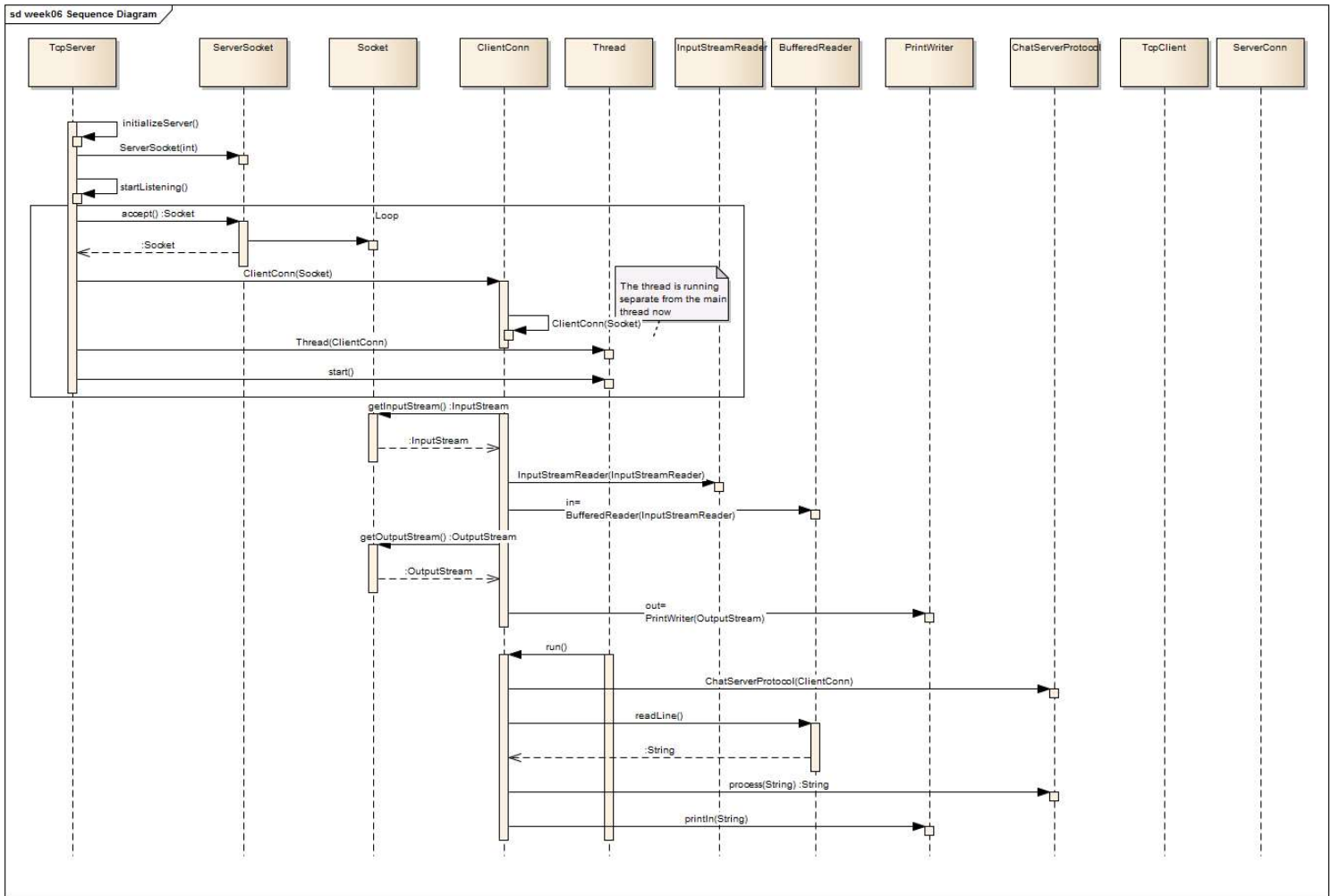
New communications code goes into the week06.io package.

Each source code submission must include all the team members with the @author Javadoc attribute in the class Javadoc.

Class Diagram:

Sequence Diagram:

Provided:

week06 reference source code from Assembla SVN

You need to create the *new* communication classes that consume the LoginRequest and LoginResponse objects.

Turn In: (Each individual for the team still turns in the team code:)

- New communication classes (should be added to week06.io package)
- Batch files to launch the classes from the command line for testing
- Any unit tests used by your team
- Team meeting summaries with attendance