Software Design - Project Server Class Diagram

points: 30

due date: Initial Draft – Friday, September 23
Final Draft – Friday, September 30

Server Class Diagram
From the system description, produce a class diagram of the server application. The primary responsibility of the server is to store most of the data of the application (user's, messages, etc), and be able to retrieve that data when needed. For example, when a user logs in, the screen name and password will be sent from the GUI to the server. The server will need to retrieve that particular user from it's data storage, get their password and compare it to what was sent over from the GUI and send a message back to the GUI indicating whether or not it was a valid login or not.

Your task is to study the system description, determine what information needs to be stored on the server and how and when it needs to be retrieved and then come up with a class diagram that diagrams the class structure for the server. You may assume that there is a driver class which is communicating with the GUI and would be the entry point into the system. **There may be data that will be stored on the client (your GUI). You do not need to include that in your class diagram. This diagram is focused only on the server application.**

Your diagram should include any of Java's collection/map classes that you will use, but those are the only Java classes that are required.

Your diagram does NOT need to include any methods of the classes, but should include some of the instance variables for each class.

Remember that Use Case diagrams are about actions (verbs), and class diagrams are about things (nouns). Look through the description and identify the nouns, the pieces of information being kept. **Also, identify 5 nouns that are in the project description that you believe will NOT be classes in the system and give a reason why that noun is not a class.** You can include this list as a note on the diagram.

Your diagram must be electronic using Violet or some other piece of software.

Turn in a hard copy of your initial diagram. You will submit the final diagram on Blackboard.