Assignment 1

This assignment is **individual** work. You are not allowed to work on this with anyone, nor should you accept or offer help. Put in the time, solve the problems, and get through it!

There is a research component to this assignment regarding working with dates and times with respect to POJO as well as Hibernate. Google and figure it out! There are many possible solutions.

Purpose

You are asked to create a system which will organize recent feedback for your company by department.

Your user will select from a JSP dropdown of your company's departments (possibly including customer service, billing, sales, and technical support), fill in a textarea with feedback or a testimonial for your company's services, and post it to a servlet.

The servlet will create a POJO out of the testimonial and the current date, store it in a database, and retrieve a list containing all the current feedback for that category entered since the first of the month.

Your servlet will store the values in an appropriate way and request dispatch back to the same JSP where they are displayed in an appealing fashion.

Instructions

Create a POJO containing the exact datetime (java.util.Date or java.util.Calendar or something along those lines), a String for the department, and a String to store the actual text. Follow all standard POJO rules.

Using Hibernate, store the POJO in a database.

Now retrieve a List of all relevant feedback (for the same department!) which has been entered since the 1st of this month. Your system should work for the current month no matter what it is – no code should change to retrieve in February vs October, etc.

To retrieve the relevant feedback, you must use **Named Queries and Named Parameters**.

Google if necessary and know that working with dates and times is a common operation you will perform in the future despite the fact that it is seldom officially taught. There are many ways to do this (some newer than others), but feel free to use any one which works. MySQL Date column types can easily handle greater than operations on other date-type values, and in the process will do most of the "hard" work finding values later than the 1st automatically.

Display any relevant department feedback your system retrieves by storing it as an attribute and forwarding to a JSP, where you output it in an appealing fashion using JSTL and EL.

Submission Instructions

Name your project A1<YourName>. Please use regular ZIP to combine and compress your project's directory from inside your workspace folder. Please **DO NOT** RAR or 7-Zip your project for submission. RAR's often come with viruses. 7-Zip is very appropriate for email, but much harder to work with in Eclipse. Use a regular .zip – you have officially been told!

Please use the hibernatedb database we have been working with all semester with the root user and a password of 1234. If your password is different than 1234, get it all working, then change it before you submit!

Submit your assignment to the SLATE DropBox for our course by the deadline. You should attach/upload your project zip. Please do not email late or missed assignments! Get it done!

Failure to follow these rules may result in surprisingly lower grades.

Grading

JSP and Controller functionality	5 marks
Hibernate storage and retrieval functionality	10 marks
Projects contain no compilation errors and all instructions followed	5 marks

Spend time on this! It's worth it! Best of luck. :-)