Project 4

Start Assignment

Due Sunday by 11:59pm   **Points** 115   **Submitting** a text entry box or a file upload
Available Nov 4 at 12pm - Dec 1 at 11:59pm

project4.pdf ↓

project4DBscript.sql ↓

credentialsDBscript.sql ↓

ClientCreattionPermissionsScript.sql ↓

project4rootcommands.sql ↓

project4clientcommands.sql ↓

project4accountantcommands.txt ↓

Grading Rubric for Project 4 - Fall 2024

Criteria	Ratings		Pts
Submit the entire Project4 webapp folder from Tomcat for this project Submit your entire Project4 folder from your Tomcat installation webapps folder. This should include all files necessary to run your applications. Your webapp folder must be named Project4. Do not submit individual files from this webapp, include the entire Project4 webapp structure from Tomcat. If your webapp folder does not contain the .java files for your webapp, then include an additional, separate zip folder that contains all the .java files. Be sure to let the TAs know where your .java files are located.	**10 pts Full Marks**	**0 pts No Marks**	10 pts
Submit a total of 30 screen shots along with your Project4 webapps folder according to the commands listed in the project4rootcommands.sql, project4clientcommands.sql script files, and the project4accountantcommands.txt file, which show the results of executing the commands in these files via your application. You provided the 30 required screenshots showing your application's execution of each of the command sequences in the project4rootcommands.sql and project4clientcommands.sql script files, and the commands from the project4accountantcommands.txt file. The assumption for this project is that your "client" has only select privileges on the project4 database and the "root" has all permissions. Your accountant-level user will only use remote procedure calls to execute procedures stored on the MySQL DB server via the CallableStatement interface. This criterion carries the most weight as it is essentially demonstrating that your servlet applications correctly implement the requirements of the project. Note: You can include the folder of screenshots in the top-level of your Project4 webapp if you would like. Otherwise, submit them as a separate folder and be sure to inform the TAs where your screenshots are located. See the project document for a complete listing of the exact screenshots needed for this project submission. Be sure to label your screenshots and keep them in the proper order in your submission. Weighting for the screenshots will be allocated as: Root user screenshots = 40 points total Client user screenshots = 10 points total Accountant user screensots = 10 points total NOTE 1: Recreate the project4 database before taking the first screenshot and do not recreate it once you start taking screenshots. NOTE 2: The business logic must be incorporated into your applications with at least the "brute force" version being implemented. If you elect to do the bonus version of the business logic...see the last criterion below. NOTE 3: There are a lot of different screenshots and differences amongst output as depending on what the effect of the various commands. Your output from your application must make all of these various options very clear.	**60 pts Full Marks**	**0 pts No Marks**	60 pts
The main landing page (authentication.html) page is used to authenticate all users. Each user, upon successful authentication will be automatically re-directed to the correct application. The first-tier of all three of your applications will be a JSP page that will connect the user to the project4 database and allow them to execute SQL commands against this database. You must use properties files to read the user credentials to establish the database connections.. The main landing page (authentication.html) page is used to authenticate all users. Each user, upon successful authentication will be automatically re-directed to the correct application. Your front-end pages (for all three applications) must utilize JSP technology (they are not HTML pages) that allows the application to refresh only a portion of the displayed page rather than requiring an entire page refresh. As per the project document, your front-end JSP files for the root-level and client-level users provides the user an "Execute Command" button, a "Reset Form" button, and a "Clear Results" button. The connection to the database is handled by the servlet and must be made via properties file data (resident on Tomcat). The front-end page for the accountant-level user is also a JSP page that provides only a selection of options for "reports" that can be generated via remote procedure calls. The interface for the accountant-level user is simply a list of radio button check options. NOTE: authentication is based upon the authentication servlet's connection to the credentialsDB where all user credentials are stored.	**30 pts Full Marks**	**0 pts No Marks**	30 pts

Criteria	Ratings		Pts
If you elect to do the bonus problem, attach a note to your WebCourses submission. Submit only the bonus version of the project. If you did the bonus part of the project, be sure to indicate to the TAs that you implemented the bonus version of the business logic in your application. To get full credit for the bonus part, it must be correctly implemented. This means that ONLY those suppliers directly affected by an update have their status values altered. This will be reflected in your screenshots for the project4rootcommands.sql and project4accountantcommands.txt command sequences. Note that these are bonus points and the project itself will count as 100 points like all other projects.	**15 pts Full Marks**	**0 pts No Marks**	15 pts
		Total Points: 115	