Lab Nine

JDBC Application II

Learning Outcomes

At the conclusion of the lab, students should be able to

- Write simple Javafx GUI applications that access mySQL data through the JDBC

Background

In CS1073 you've written GUI applications using Javafx. This lab will use that experience with accessing a database from Java using the JDBC.

You should make corrections to your stored procedures of the previous lab as indicated by the marker before you proceed with the "meat" of this lab.

Exercise

Using the faculty's remote lab environment, you will build a GUI-based tool for each of the two JDBC applications you built in Lab 8. The code for the lab (Lab9src > AcceptStudentGUI.java) is a javafx (working but non-functional) application that you can use as a basis for your work.

- AcceptStudentGUI
    - o Your GUI should accept inputs, call the acceptStudent stored procedure (corrected if necessary from last week), and display the message "Student accepted" in green text.
    - o If there is an exception, the exception message should display in red text instead.
- StudentTranscriptGUI
    - o Your GUI should accept inputs, call the studentTranscript stored procedure (corrected if necessary from last week), and display the student transcript data.
    - o If there is an exception, the exception message should display in red text instead.

Submission

Before the due date for this lab, students should submit online to the lms a zip/tar file containing

- The word-processor report as a pdf file, containing the screen shots of your GUI applications in action.
- Your java source files, and corrected stored procedures if necessary (changed).