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CS532
Design Document

How to Run:

Enter sqlplus environment
start proj2data2018
start student_reg_pkg
start sequence
start triggers

Enter folder which contains both java files
javac RunProcedures.java ShowProcedures.java
java RunProcedures

This will display our interface, where you can perform the various functions described in the project description.

student_reg_pkg.sql: Defines all of our PL/SQL procedures. The in-line comments explain what and how each of our procedures execute their tasks. These procedures rely on sequence.sql and triggers.sql.

Sequence.sql: Defines the sequence needed to generate ID's for the logs table

triggers.sql: In-line documentation describes the purpose of each trigger. They are used to ensure consistency of the data, by automatically performing additional operations while for example, deleting a student.

RunProcedures.java: Displays the interface in main(). Contains all calls to PL/SQL functions, aside from the show functions, which are contained in ShowProcedures.java. The in-ine comments explain how each PL/SQL function is being called.

ShowProcedures.java: Contains all calls to show procedures, which simply display a table.