COMP 3311: Database Management Systems

Lab 8 Exercise: Accessing Oracle Database Via A Web Application

HOW TO GET THE CREDIT FOR THIS LAB

- 1. <u>Download</u> the Lab8Exercise.zip folder from the *Accessing Oracle Database Via A Web Application* entry of the Lab Schedule course web page to the desktop and unzip it.
- 2. **Execute** the Lab8DB.sql script file inside the Lab8Exercise folder in SQL Developer.
- 3. Complete TODOs 02 to 09 in the file UniversityDB.cs inside the App_Code folder in the Solution Explorer.

After you complete all the **TODO**s, you should be able to do the following. (Note that TODO 01 is already completed for you.)

- 1. Login as admin using the email "admin" and
 - create a new student record as shown in Figure 1 (uses TODO 04 and 05).
 - view a specific student record as shown in Figure 2 (uses TODO 01 and 02).
 - view all the student records in a department as shown in Figure 3 (uses T0D0 03 and 04).
- 2. Login as a student using the email of any student and
 - enroll in courses as shown in Figure 4 (uses TODO 06).
 - view the courses in which the student has enrolled as shown in Figure 5 (uses TODO 07, 08 and 09).

IMPORTANT: You should create a student record for yourself with the same information as that used in Lab 7.

WHAT TO SUBMIT

Submit your completed UniversityDB.cs code file. Be sure to complete the student name and student id comment at the top of the code file <u>before</u> you submit it. **No credit will be given for this lab if this information is missing.**

How To Submit

By 11:00 p.m. today, upload your UniversityDB.cs code file to Canvas by selecting *Lab* 8 in the Assignments section of Canvas and then selecting the Submit Assignment button

The UniversityDB.cs code file can be found inside the App_Code folder of your UniversityWebsite folder. It is highly advisable to first close Visual Studio <u>before</u> you access the UniversityDB.cs code file.

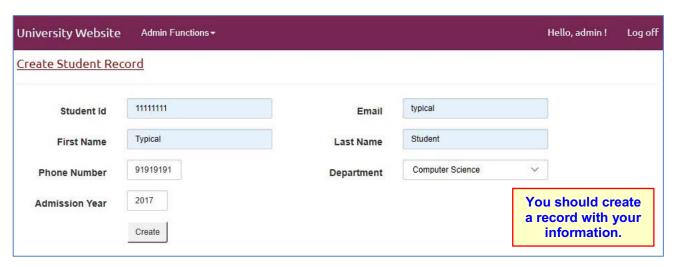


Figure 1: Example web page showing new student record creation.

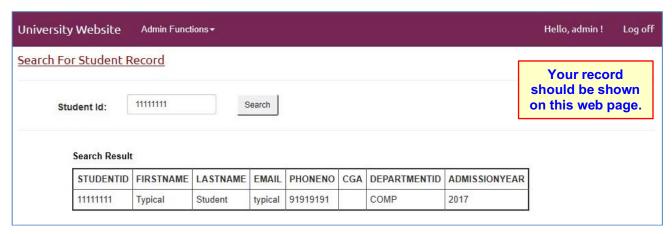


Figure 2: Example web page showing individual student record.

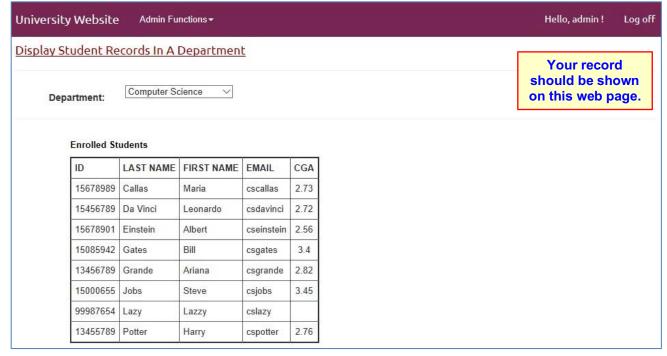


Figure 3: Example web page showing student information in a department.

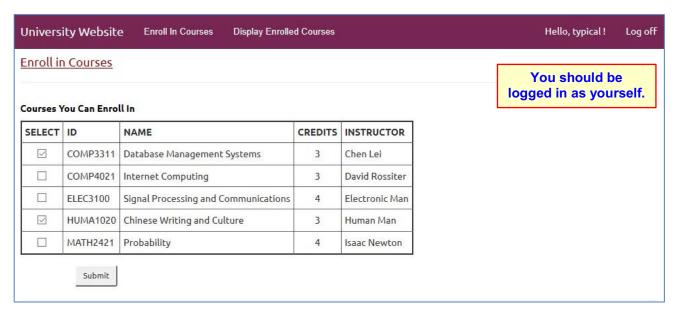


Figure 4: Example web page showing available courses for a student to enroll in.

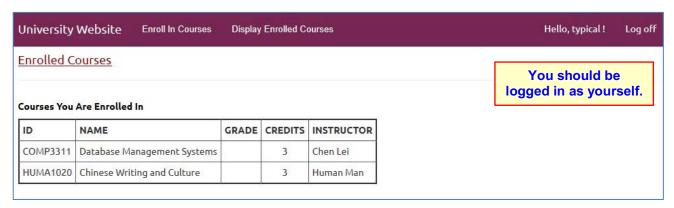


Figure 5: Example web page showing enrolled courses for a student.