COMP 3311
Database Management Systems

Lab 8

Task 3 Setup

Lab Objectives

☐ After this lab you should

- know how to set up the website for Task 3.

- know more about the TODOs for Task 3.

- be able to complete the programming part of Task 3.

Download The Task3 Folder and Run The SQL Script File

☐ **Download** the folder Task3.zip from the Task 3 Setup entry of the Lab Schedule course web page and unzip it.

☐ In SQL Developer run the script file Task3DB.sql inside the Task3 folder to set up the database for Task 3.

Modifying The Web.config File

☐ In the Solution Explorer, open the Web.config file.

☐ Find the line

<add name="ConferenceConnectionString ..."

☐ On this line, find the following:

ID=comp3311stuXXX;Password=XXXXXXXX

and replace

comp3311stuXXX with your Oracle user name

XXXXXXXX with your Oracle password

☐ Save and close the Web.config file.

Build The Website

☐ Select Build Solution in the Build menu.

☐ If you get the warning "Solution has not been saved...", then do the following:

   ■ Select Save All in the File menu.

   ■ Click the Save button.

   ■ Select Yes if asked to replace the existing file.

Test the Website

☐ Select Start Debugging in the Debug menu to view the website.

☐ If you get an Oracle connection error, then follow the steps on the Connect To Oracle Database slides.

☐ Otherwise, proceed to the next slide.

Complete the Code File ConferenceDB.cs

☐ The C# code file ConferenceDB.cs inside the App_Code folder is missing the SQL statements required to retrieve data from and/or insert data into the Oracle database.

☐ Complete the **30 TODOs** in the ConferenceDB.cs code file by adding the required SQL statements.

> **YOU SHOULD NOT MODIFY ANY OF THE OTHER FILES!**
> In particular, do not modify the web forms or the C# code-behind files. We cannot help you if you have changed these files. In this case, the best thing to do is to start over.

> Before trying to execute an SQL statement in Visual Studio, it is highly recommended that you first "debug" it in SQL Developer.

Connect To Oracle Database (1)

- ☐ In the **Solution Explorer**, open the Web.config file.

- ☐ Within the <assemblies> tag, find the line <add assembly="Oracle.DataAccess,..." and delete it.
  - ■ If there is more than one such line, delete all of them.

- ☐ Save and close the Web.config file.

- ☐ Select Close Project in the File menu.
  - ■ If a window pops up asking you to save a .sln file, follow the steps on slide 5.

Connect To Oracle Database (2)

- ☐ Select Open→Web Site... in the File menu and open the ConferenceWebsite.

- ☐ In the Solution Explorer, right click the ConferenceWebsite node and choose Add→Reference....

Connect To Oracle Database (3)

- ☐ In the **Reference Manager** window, do the following.
  - ■ In the left pane, select Extensions under the Assemblies node.
  - ■ In the centre pane, scroll down to find the item Oracle.DataAccess 4.122.1.0 and check the checkbox to its left.
  - ■ Click the OK button.

- ☐ Select Build Web Site in the Build menu.
  - ■ If the message Build succeeded appears at the bottom left of the Visual Studio window, the problem is solved; if not, close the project, reopen the website and build the solution again or ask for help.