### CS 3630: Assignment 10 (10 points) Due Wednesday, May 2, by 9 PM

This is a group assignment, and you should do it with the same group for the project.

Use Visual Studio 2015 to create a Windows GUI program to access and update the Booking table on Oracle. The program has one class Oracle and two forms: FormClassBooking and FormClassLogin. The start up object must be class Oracle or Sub Main.

#### Class Oracle

The class defines shared variables and shared Subs.

Public Class Oracle

' The Enumeration Data Type for user response

Public Enum ResponseType

OK

Cancel

End Enum

Friend Shared UserName As String

Friend Shared PassWd As String

Friend Shared Server As String

Friend Shared Result As ResponseType

. . .

Public Shared Sub LogInAtRunTime()

...

End Sub

Public Shared Sub main()

...

End Sub

End Class

The pseudo code of Sub Main could be as follows:

Set Connected to False

While Not Connected

Show Form Login as a dialogue

If Response is Cancel

Exit while

Else

Try

Call LogInAtRunTime

Set Connected to true and exit while

Catch an exception

Display a message box

End While

If Connected

Run application with FormClassBooking

#### FormClassLogin

Your form should be similar to the sample program.

The title of the form should be "Login - " followed by the names of all students in the group.

The form has three textboxes, three labels, and two command buttons.

The three textboxes are used for the user to enter UserName, Password, and Host String.

Characters entered for UserName and Host String will be converted to Upper case

automatically, and characters entered for Password will be masked with "\*".

The two buttons are used for the user to login or exit the program.

Button OK is the form AcceptButton, and button CANCEL is the form CancelButton.

#### FormClassBooking

Your form should be similar to the sample program.

The title of the form should be "Assignment 10 - " followed by the names of all students in the group.

The form has a datagridview to display the records from table booking.

There are four command buttons on the form.

UPDATE: The user can insert, delete, and modify records and click the button

to save the changes. Changes will not be saved to database if the

button is not clicked. The input format for dates should be mm/dd/yyyy.

SEARCH: There are two comboboxes and a textbox:

cboField displays all fields of table Booking

cboOperator displays five operators: >, >=, =, <=, <

txtValue contains the comparison value

(when date is selected, different date formats such as mm/dd/yyyy, mm dd yyyy and Month dd yyyy could be used)

After selecting field and operator and entering a value, the user can click

the button and display in the datagridview only those records that satisfy

the search condition.

ALL : Click on the button will reload all records of table Booking in the datagrid.

EXIT : Terminate the program.

#### Submission

Make sure the name of your solution folder is **UserName1\_UserName2\_A10**.   
Zip the entire solution folder and drop it to the class Dropbox on the K:\ drive by the due time.

Your program must run inside Visual Studio 2015!