COMP 1011: Advance Java Programming

Assignment #4

Due Date: (Mid-night – 11.59 pm) 1st April Marks/Weightage: 30/10%

End Date: (Mid-night – 11.59 pm) 4th April with 20% deduction/penalty. No exceptions.

Purpose: The purpose of this assignment is to:

Practice the use of JDBC/JavaFx, SceneBuilder and MySql Database

References: Learning materials for chapter 24 of textbook, and other internet references (if any).

IDE: Eclipse Java Enterprise Developer edition – 2022-12/2023-03 and Windows 10/11 OS.

Step1: At the start of eclipse, you must name your **Eclipse workspace** according to the following rule:

YourFullName COMP1011SectionNumber A04

For Example: JohnSmith_COMP1011Sec002_A04 (if your section is Sec002)

Step 2: And after that, you must name your Eclipse project according to the following rule:

YourFullName_COMP1011SectionNumber For Example: JohnSmith_COMP1011Sec002

Step 3: And your package should be named as follows:

YourFullName_SectionNumber_Ex01
For Example: johnsmith_sec002_ex01

Submission/Upload Instructions:

After you complete, run and test your code, you need to do the following:

- a) Close the eclipse, go to your **workspace** folder which you created in Step 1.
- b) Zip it up. You should get a zip file like this—JohnSmith_COMP1011Sec002_A04.zip. You should only be submitting it in the .zip file format (and not .rar or any other format)
- c) Upload this zip file using the **Assignment-04** link in blackboard.

Apply the naming conventions for variables, methods, classes, and packages:

- variable names start with a lowercase character for the first word and uppercase for every other word
- classes start with an uppercase character of every word
- packages use only *lowercase* characters
- methods start with a lowercase character for the first word and uppercase for every other word

Note: Late submissions are accepted until up to 3 days past due date with 20% deductions. After that no submission will be considered.

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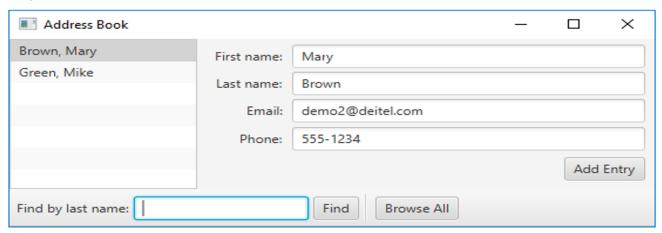
Exercise 01: [5@6=30 marks]

Code examples are provided (refer the zip file - addressbook_example.zip in Blackboard) and covered in the class.

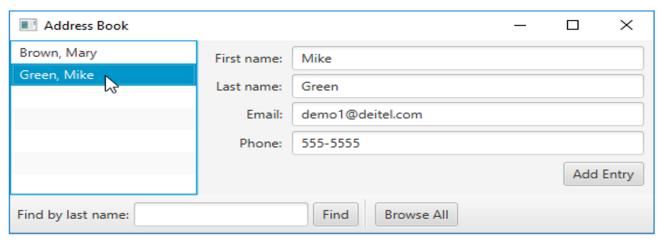
You need to create Address Book database, addressbook.sql file is included in the zip file. Also provided the .fxml file for GUI. You are required to implement the following as shown in the screen shot.

For the database, if you want to use Oracle, you can use that instead of MySql.

a) Initial Entries in the database

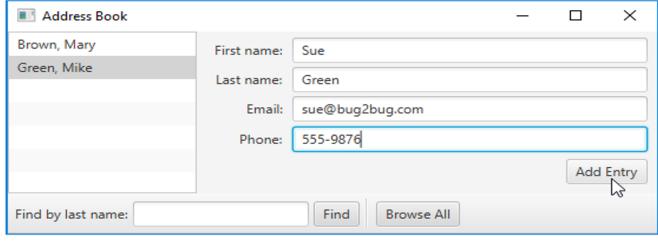


b) Viewing the entry for Green Mike

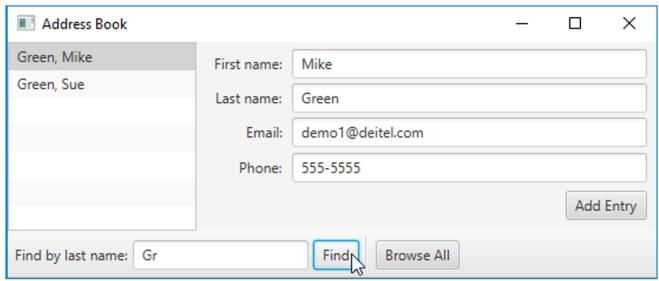


c) Adding the entry for Sue Green

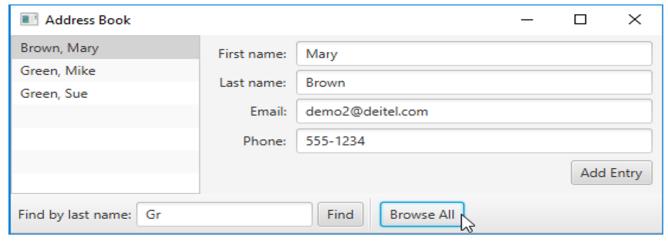
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d) Searching the entry for Gr



e) Returning the complete list by clicking the Browse All



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Evaluation/Rubric:

Functionality	
(a) Correct implementation of business	90%
requirements, GUI, code logic,	
functionality, getting data from	
database etc.	
(b) Correct implementation of	5%
exception handling and intended	
results	
(c) Comments, correct naming of	2.5%
variables, methods, classes, etc.	
(d) Friendly input/output	2.5%
Total	100%

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