

Assignment 2

To Be Submitted by: Sunday March 14

- two files
 - a text or word processed document containing all of your code
 - to be a separate file, not part of a zip file
 - submit only one file, not multiple files
 - uploaded to Assignment 2 – Text File
 - a zipped copy of your Java with Ant NetBeans project
 - use File > Export Project > To Zip
 - uploaded to Assignment 2 – Code Zip File
 - the name of this file should be yourName_a2.zip
- failure to follow the above instructions will result in a grade of 0

Note:

- this is to be an individual effort
- do not work with anybody to complete the assignment
- use proper indentation and spacing

Each Class

- the first lines of each class should contain

```
/**
    Your Name
    Your Student Number
    Assignment 2
    Date
*/
```

Marks

- the code efficiency and appearance of the assignment will count for 40% of the marks
- meeting the basic requirements will count for up to 60% of the marks

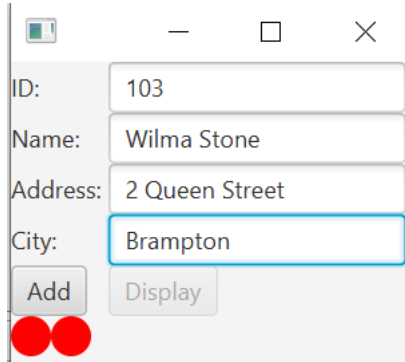
The Project

- must be a NetBeans JavaFX project created using Java with Ant
- any other format will not be marked

The Program

- will contain at least four textfields and four labels
- the user will be able to type in an ID, name, address, city
- the user then clicks a button to save the information in a String array
 - all textfields are cleared of all text
 - the ID textfield should have focus

- for each record saved, a shape, such as a red circle, should appear along the bottom of the stage
 - should be one shape for each record
- once five records have been saved
 - the add button should be disabled (cannot be clicked anymore)
 - a display button should be enabled
- the user can click the display button
 - another stage appears displaying all the records stored in the array
 - the display button is disabled
 - the add button is enabled
 - all of the five shapes are cleared
 - the ID textfield has focus
- the user can then repeat the process
- in the example below, two records have already been added, once the add button is clicked
 - the record with the ID of 103 will be added to the array
 - there will be three red circles
 - all of the textfields will be cleared
 - the ID textfield will have focus



A screenshot of a Java Swing window with a title bar containing minimize, maximize, and close buttons. The window contains a form with the following elements:

- ID: 103
- Name: Wilma Stone
- Address: 2 Queen Street
- City: Brampton
- Buttons: Add (enabled), Display (disabled)
- Two red circles are visible at the bottom left of the window.