Challenge: Notifier

Description: Create a Java 8 SE application in NetBeans using JavaFX that contains two buttons and a text field. The text on one button is to be "Notify" and on the other button "Clear". When the "Notify" button is clicked the text field displays "You have been notified!" When the "Clear" button is clicked the text field is cleared (set to an empty string). JavaFX code is to be used to create the buttons and text field. The user interface (UI) objects are to be laid out using a GridPane based on the design specified in the requirements.

Purpose: This challenge introduces the use of JavaFX to create Java user interfaces.

Requirements:

Project Name: <Pawprint>Notifier

For the Project Name follow the same naming scheme used in the first challenge. The Project Name is to be comprised of your pawprint with the first letter capitalized followed by Notifier. For example if the pawprint is **abcxyz9** the project is to be named **Abcxyz9Notifier**.

In NetBeans create a JavaFX Application project for this challenge. The project that is created will contain sample code that displays a button that when clicked prints "Hello World!" to standard output. *You will need to replace the sample code in the start() method with the code you write to meet the requirements of this challenge.*

Write the code necessary to do the following inside the start() method of the application's Main Class which will be a subclass of Application.

The user interface (UI) is to contain two Buttons and a TextField. The text on one button is to be "Notify" and on the other button it is to be "Clear". When the "Notify" button is clicked the TextField is to display "You have been notified!" When the "Clear" button is clicked the TextField is to be cleared (the text of the TextField is to be set to an empty string).

A GridPane is to be used to position the UI elements. A value of 10 is to be used for the horizontal and vertical gaps for the GridPane. The alignment set on the GridPane for the positioning of UI elements is to be centered (Pos.CENTER).
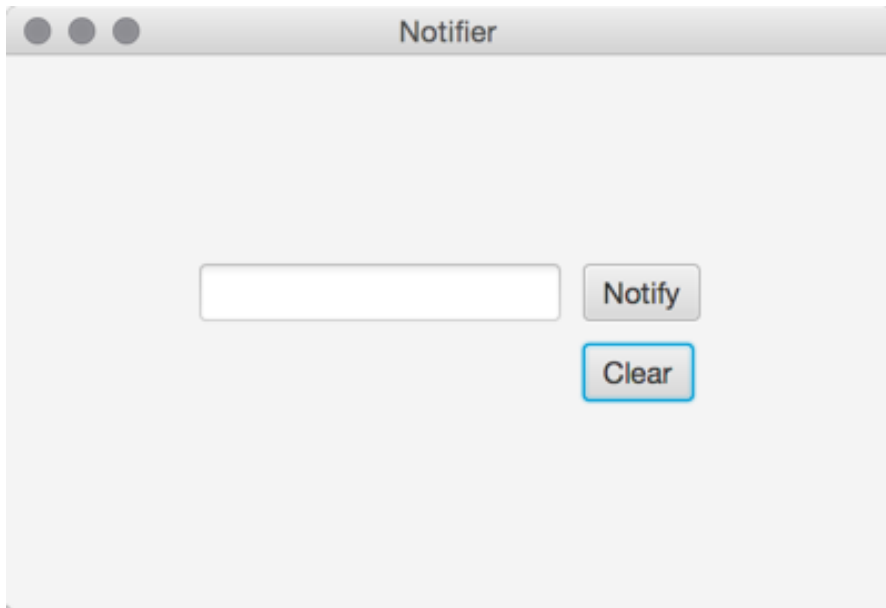
The TextField is to be added to the GridPane at column 0 and row 0.
The "Notify" Button is to be added to the GridPane at column 1 and row 0.
The "Clear" Button is to be added to the GridPane at column 1 and row 1.

The Scene for the JavaFX application is to be 400 wide by 250 high.

The title for the Stage is to be "Notifier".

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The following is a screen capture of how the user interface is to look.

Run your application and make sure everything works as expected. ZIP the project directory and submit it on Blackboard.