

STUDENT ACTIVITY 2.1A: USING EVENTS IN A WINDOWS APPLICATION

MTA Course: Windows Development Fundamentals

Topic: Create and handle events with the Forms Designer (One 50-minute class period)

File name: WinDevFund_SA_2.1A

Lesson Objective:

2.1: Create and handle events. *This objective may include but is not limited to:* methods for creating events in an application; handling events raised in an application.

Resources, software, and additional files needed for this lesson:

- None

Directions to the student:

Create a form with the controls and event handlers for each of the following prompts.

Content:

1. A single button. When clicked, the background color of the button changes.
2. A `TextBox` and two `Labels`—one visible and one hidden. The visible `Label` prompts the user to input a name. When a button is clicked, the hidden `Label` appears with a greeting (i.e., *Hello, John*).
3. A `TextBox` with the `Text` property set to your name. Create at least six buttons that change properties of the `TextBox`. For example, a Blue button could change the foreground color to blue. Another button may make the `TextBox` invisible.
4. Use a Timer control (the Tick event) to make your form's background color switch between two different colors.
5. A button that changes color when the cursor (mouse) pauses over it; it then reverts to its original color when the cursor leaves.