

STUDENT ACTIVITY 1.1_KEY: WINDOWS APPLICATION TYPES

MTA Course: Windows Development Fundamentals

Topic: Identify Windows application types

File name: WinDevFund_SA_1.1_Key

Lesson Objective

1.1: Identify Windows application types. *This objective may include but is not limited to:* Windows® Forms, Windows Presentation Foundation (WPF), Windows Services, and Win32® applications.

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

- None

Directions to the student:

Answer the following questions.

Content: [ANSWERS]

1. What library is primarily used by C/C++ developers to create Windows applications?
Windows API (or Win32)
2. What does WPF stand for?
Windows Presentation Foundation
3. What type of Windows application allows the developer to create rich interfaces that include video content and 3-D graphics?
Windows Presentation Foundation application

For each of the following questions, identify which application type (Windows Forms, WPF, Windows Services, or Win32) would be the best choice for the developer to use.

4. A media player application that displays videos and images.
WPF application (due to the use of multimedia)

5. A program that accepts input from the user then graphs that data in 3-D.
WPF application (due to the incorporation of 3-D graphics within the interface)
6. An antivirus program that runs in the background.
Windows Services application
7. A simple calculator with a standard Windows-style user interface.
Windows Forms application (due to the simple, traditional Windows-style interface)
8. A program that loads when the computer boots and keeps track of the amount of time the user spends on the Internet.
Windows Services application
9. An application that monitors keyboard activity and produces a text file with statistics about typing speed.
Windows Services application
10. An application that models and displays simple 3-D geometric shapes, such as cubes and pyramids.
WPF application (due to the incorporation of 3d graphics within the interface)
11. An “address book” application that uses a form for editing text-based data (e.g., name, address, and telephone number). The form includes a standard menu, a few buttons, and text boxes.
Windows Forms application (sue to the simple, traditional Windows-style interface)