

STUDENT ACTIVITY 1.1: WINDOWS APPLICATION TYPES

MTA Course: Windows Development Fundamentals

Topic: Identify Windows application types

File name: WinDevFund_SA_1.1

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:

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

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.
5. A program that accepts input from the user then graphs that data in 3-D.
6. An antivirus program that runs in the background.
7. A simple calculator with a standard Windows-style user interface.

8. A program that loads when the computer boots and keeps track of the amount of time the user spends on the Internet.
9. An application that monitors keyboard activity and produces a text file with statistics about typing speed.
10. An application that models and displays simple 3-D geometric shapes, such as cubes and pyramids.
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.