

## 01 Activity 1

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Section	BSIT501	Score	

**Instructions: (2 items x 15 points)**






1. Provide one (1) traditional application, and one (1) advanced application of information systems. It should be different from the examples mentioned in the handout.
2. Identify each component of information systems used in your provided applications. See **Page 2 of 01 Handout 1** for examples.

**Traditional Application**

A point of sale (POS) system tracks inventory and sales in a retail setting.

The POS system's information system components consist of:

- a database to monitor stock levels and sales information
- a program for handling sales transactions
- a user interface that enables interaction between the system and retail staff
- a network to link the point-of-sale system to other systems, like a financial system.

Hardware	Software	Data	People	Process
<u>Hard Disk</u>  <p>A hard disk drive (HDD) is a non-volatile data storage device used in computers. HDDs are commonly found in desktop computers, mobile devices, consumer electronics, and data center enterprise storage arrays. They can store operating systems, software programs, and other files using magnetic disks. Non-volatile storage devices keep stored data even when turned off.</p>	<u>Windows XP</u>  <p>Windows XP was released on October 25, 2001, and is one of the most popular versions of Windows due to its simplicity, speed, and stability. Microsoft no longer offers technical support for Windows XP computers. Windows Vista, Windows 7, Windows 8, and Windows 10 will continue to be supported by Microsoft. Continued use of XP and IE8 may expose your computer to severe threats such as viruses and malware.</p>	<u>Big Data</u>  <p>Big data is data with greater variety, arriving in more significant volumes and with more incredible velocity. These data sets are so large that traditional data processing software cannot handle them. However, these massive amounts of data can be used to solve previously unsolvable business problems.</p>	<u>Charles Babbage</u>  <p>Charles Babbage (born December 26, 1791, in London, England—died October 18, 1871, in London) was an English mathematician and inventor credited with creating the first automatic digital computer.</p>	<u>BANKS</u>  <p>The primary role of banks is to take deposits and make loans. But banks can offer a wide range of products and services, including:</p> <ul style="list-style-type: none"> <li>• Deposit accounts (checking accounts, savings accounts, CDs, money market accounts)</li> <li>• Loans, including mortgage loans, auto loans and personal loans</li> <li>• Credit cards</li> <li>• Check-cashing services</li> <li>• Wealth management services</li> <li>• Insurance</li> <li>• Business Banking</li> </ul>






**Advanced Application**

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A business uses an enterprise resource planning (ERP) system to track inventory, sales, and customer information throughout the organization.

The following information systems elements are included in the ERP system:

- a database to monitor stock levels, sales information, and customer information
- a program for handling customer information and sales transactions
- a user interface that enables system interaction for employees
- a network to link the enterprise resource planning system to other systems, like a financial system

Hardware	Software	Data	People	Process
<p>Bluetooth</p>  <p>Bluetooth is used for short-range communications between device peers and device to a peripheral. Bluetooth peripherals include wireless headsets for hands-free cell phone use, keyboards, mice, videogame controllers, audio speakers, etc.</p>	<p>Windows 11</p>  <p>Windows 11 is the latest major release of Microsoft's Windows NT operating system, released in October 2021. It is a free upgrade to its predecessor, Windows 10, available for any Windows 10 devices that meet the new Windows 11 system requirements.</p>	<p>Cloud Server</p>  <p>A cloud server is a pooled, centralized server resource hosted and delivered over a network—typically the Internet—and can be accessed by multiple users on demand. Cloud servers provide the same services as traditional physical servers, including processing power, storage, and applications.</p>	<p>Bill Gates</p>  <p>Bill Gates, in full William Henry Gates III, (born October 28, 1955, Seattle, Washington, U.S.), American computer programmer and entrepreneur who cofounded Microsoft Corporation, the world's largest personal-computer software company</p>	<p>ATM</p>  <p>automated teller machine, is a specialized computer that makes it convenient to manage a bank account holder's funds. It allows a person to check account balances, withdraw or deposit money, print a statement of account activities or transactions, and even purchase stamps.</p>

#### GRADING RUBRIC:

Performance Standards	Points
The student provided a unique application of information systems.	5
The student identified the five (5) components of information systems.	10
<b>Total</b>	<b>15</b>