



The Application Software

By

Alyaa Abdul Kadhum

Software

- Software is a generic term for organized collections of computer data and instructions, often broken into two major categories:
 - **system software** that provides the basic non task-specific functions of the computer, and
 - **application software** which is used by users to accomplish specific tasks.

Software Types

A. System software is responsible for controlling, integrating, and managing the individual hardware components of a computer system so that other software

Software Types

And the users of the system see it as a functional unit **without** having to be concerned with the low-level details such as transferring data from memory to disk, or rendering text onto a display.

Software Types

Generally, system software consists of

- An operating system
- and some fundamental utilities such as
 1. disk formatters,
 2. file managers,
 3. display managers,
 4. text editors,
 5. user authentication (login)
 6. and management tools,
 7. and networking and
 8. device control software.

Software Types

B. Application software is used to accomplish specific tasks other than just running the computer system.

Software Types

Application software may consist of

1. a single program, such as an image viewer
2. a small collection of programs (often called a software package) that work closely together to accomplish a task, such as a spreadsheet or text processing system;

Software Types

3. a larger collection (often called a software suite) of related but **independent programs** and **packages** that have

- a common user interface or shared data format, such as Microsoft Office, which consists of closely integrated word processor, spreadsheet, database, etc.;
- or a software system, such as a database management system, which is a collection of fundamental programs that may provide some service to a variety of other independent applications.

Comparison Application Software and System Software

	System Software	Application Software
	<p>Computer software, or just software is a general term primarily used for digitally stored data such as computer programs and other kinds of information read and written by computers. App comes under computer software though it has a wide scope now.</p>	<p>Application software, also known as an application or an "app", is computer software designed to help the user to perform specific tasks.</p>
Example:	<ol style="list-style-type: none">1) Microsoft Windows2) Linux3) Unix4) Mac OSX5) DOS	<ol style="list-style-type: none">1) Opera (Web Browser)2) Microsoft Word (Word Processing)3) Microsoft Excel (Spreadsheet software)4) MySQL (Database Software)5) Microsoft PowerPoint (Presentation Software)6) Adobe Photoshop (Graphics Software)

Comparison Application Software and System Software

	System Software	Application Software
Interaction:	Generally, users do not interact with system software as it works in the background.	Users always interact with application software while doing different activities.
Dependency:	System software can run independently of the application software.	Application software cannot run without the presence of the system software.