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# IT Systems

I use a desktop computer, that uses windows 10 Pro, the operating system that controls my computers software and hardware, performs basic tasks such s file memory and controls disk drives and printers. (kj, Understanding operating systems, 2022).

The Windows Pro software programme is meant for use by businesses, adds additional features such as data security and multi-user features, protects the computer if is lost or stolen.

## Processer

My system includes a Ryzen 7 processor which allows up to 4GHzof processing speeds, which is aimed really at the gaming market, meaning it is more than capable of quickly downloading and storing files.

## Memory

The memory installed in my computer is a 16G DDR4, it is more than efficient for organising files and office work. A new DDR5 will soon be available meaning a more powerful memory capacity which will work with the processor and hard drive to speed up the computer’s operations, however until the manufacturers can upgrade processors and hard drives that can respond to the new DDR5, customers should be aware that all a computer’s components are fully compatible to ensure the maxim benefit. (kj, DDR5 SDRAM, 2022)

## Hard Drive

I have a 512 NVME hard drive that is SSD mode, this gives approximately 500gb space, a single page of text can use around 2 Kilobytes of space, there are 1,000.000 kilobytes in a Gigabyte, equivalent to 500,000 pages, because of the space in the hard drive it offers enough speed and storage to use for games and videos and use multiple web sites. When the disk has reached 75% capacity it may slow down the computer speed and cause slow start up. (kj, Introducing binary, 2022)

## Graphics

Installed in my computer is a Radeon Vega 10 Graphics application, which allows the computer to portray gaming sites and allows animations to run smoothly.

## WIFI

The computer has a 6 dual WIFI component, which provides the computer with fast internet dual band, and my broadband provider allows for fast downloading of applications and website access, with 150 Download mbps and 25 Upload mbps, meaning a fast connection.

# Tools

The tools can be elements of an application, where the user can build documents and web pages using tools for build which can be found on the ribbon.

Software applications offer different types of programs which help the user to design and write their work, for this course I have used software such as;

* GitHub- for storing files online, to use like a library
* W3- a tutorial application regarding Html, CSS, JavaScript, and other website building languages
* Inkscape- for designing animations to use on web pages etc.
* Visual studio 2022- for writing code for html and CSS
* Microsoft Word-writing supportive documents

Together all these programs are sufficient to enable myself to complete the course.

# References

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