**1.5**

Contents

[Using IT & software applications 2](#_Toc97915860)

[IT Systems 2](#_Toc97915861)

[Software Programs 2](#_Toc97915862)

[Servers 2](#_Toc97915863)

[Graphics 2](#_Toc97915864)

[Images 2](#_Toc97915865)

[Text 2](#_Toc97915866)

[Sources 2](#_Toc97915867)

# Using IT & software applications

## IT Systems

I use a mini-PC with;

* Windows 10 Pro
* 16g DDR4- memory
* 512GB NVME SSD-Hard drive
* Ryzen 7 3750H -Processor
* Radeon Vega Graphics
* WIFI 6
* 150 downloads, 25 upload- internet service

This is powerful combination of hardware tools, that are more than sufficient for everyday office work, searching the net, word processing and storing and retrieving files. I do not have any issues with accessing information for completing the course or for downloading software to enable myself to complete the work I have undertaken, including writing Html and CSS code, to help build and run websites.

## Software Programs

The software applications I need for building websites, can be downloaded from the internet and tutorials for basic beginner tutorials are available either by the site owners or on sites such as YouTube. There are more extensive tutorials available online that give the reader a more accurate view of the software, where they offer a certificate of competence, that you could add to your CV, however there is usually a cost for these tutorials.[[1]](#footnote-1)

### Servers

Internet servers such as -Google Chrome, Microsoft Edge, Firefox, Wave Browser are free to download and are useful attributes for trying different browsers to check your websites presentation.

### Graphics

Microsoft windows has a graphic design tool built into its system called Paint, there on other free sites available to download such as Inkscape, Visme etc, and there are more extensive sites that come with a cost. [[2]](#footnote-2)

#### Raster

Also called bitmap graphics, are digital images, composed of rectangular pixels arranged in a grid using x any coordinates to form an image. (kj, 2022)

Dependent on the resolution f the image, it can be scaled down with no loss of quality, scaling up and the image can become distorted.

#### 

#### Vector

Vector graphics are digital art, formed by a computer using mathematical statements, places lines or shapes in 2-D or 3-D imagery. When enlarged they give a crisp image return and best for printing. (kj, Vector vs Raster Graphics, 2022)

### Images

Images can refer to animations, drawings and sketches and includes pictures.

#### Scaling

Images that are downloaded for websites[[3]](#footnote-3), can be altered to sizes that the user might wish to add to documents containing text, and need to be resized to suit the design of the document.

### Text

Adding text to websites is via tools such as Notepad, also there are more extensive applications both payable and free sourced, that use language tools such as html, JavaScript, python where the user writes code to establish a formatted web page, the design of the page can be built using the CSS software.

### Sources

Sources refers to applications and websites where the internet user can access information and software tools to form documents, webpages, tutorial, reports, etc.

# Bibliography

kj. (2022, March 12). *Vector vs Raster Graphics*. Retrieved from Geeksforgeeks: https://www.geeksforgeeks.org/vector-vs-raster-graphics/

kj. (2022, March 12). *What Does Raster Graphics Mean?* Retrieved from techopedi: https://www.techopedia.com/definition/9098/raster-graphics#:~:text=Raster%20graphics%2C%20also%20called%20bitmap,that%20it%20forms%20an%20image.

#### Open sources

Refers to free source sites.

1. for this course I shall only access information from free sites. [↑](#footnote-ref-1)
2. for this course I shall only access information from free sites. [↑](#footnote-ref-2)
3. Copyright needs to be attained unless stated as free [↑](#footnote-ref-3)