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Website Design

Task 1- The glossary of Terms

What is a Web Server and how it's used:

- A web server is a processing system that manages information for your website based on the web browser you are using such as google chrome or Firefox, it's used to store data for a user

What is a Web Hosting and how it's used:

- Web hosting is a storing server that is used specifically for data to be viewed, MCAST uses web hosting to store data and webpages in order for users to publickly access the website on the internet

What is a IP address and how it's used:

- The Ip address is a system that takes you where you want to go internet related. If an IP address didn't exist, the user would not be taken anywhere, IP address/ (Internet protocol) address is a sign to each device connected to computer network that uses the internet protocol for communication, it allows devices to send and receive data over the network by ensuring that every data reaches the correct destination

What is a Domain name and how it's used:

- Domain names are a simple way of accessing websites since users can simply look up www.mcast.edu.mt instead of having to write an entire IP address which will be hard to remember

What is a DNS and how it's used:

- a DNS is a place where all website domain names are stored and turned into an IP address, quite like a place where it directs you to the correct place that you want to go to and not to an unknown

What is a HTTP/HTTPS protocol and how it's used:

- HTTPS has more of a security than HTTP but HTTP was the first server that communicated and made the internet possible in the first place. The HTTPS server has more of a benefit because of the fact it has extra security and lots of trust from users.

What is a SSL/TLS certificate and how it's used:

- SSL/TLS is a system that ensures the trust of the data for the user which is the reason that there is an extra layer of security

2- Internet Services

MCAST- MCAST does not use UseNet or CDN. MCAST uses the CMS which stands for "Content Management system", It is a system that allows editing, creating and publishing. Wordpress is there for the user to have full control without difficulties as its very easy to use.

The different services:

- **CDN:**
  CDN is used to distribute your information and resources, It is also the fastest way to access your website since it loads quicker, *it is valuable to users since it is cost effective and loads content much quicker due to caching and is is valuable to administrators due to the reduced cost in hosting because of caching.*

- ISP:
  ISP is a internet service company which provides users with access to the internet, it is valuable to users since they are able to communicate online, access information and use the internet to browse websites and participate in multiple different online activities.