

# Task I: Research and Design Documentation

## Glossary of Terms

1. **Web Server:** A web server is a computer system that delivers web content to users over the internet through the use of HTTP feature. The MCAST website uses the web server to store the website's files and sends them to the users when they visit the website.
2. **Web Hosting:** Web hosting allows organisations to make their website accessible to users on the internet. The MCAST website uses this feature to store their website on a web server.
3. **IP Address:** An IP address is a set of numbers unique to every device which helps identify said device on a network or on the internet. The MCAST website uses the IP address to aid devices into finding the exact location of the website on the internet.
4. **Domain Name:** The domain name is a user-friendly website address that is linked to the IP address. The MCAST website uses it as their website address, for example mcast.com, as a way for users to easily remember the name of the website.
5. **DNS:** DNS is short for Domain Name System. It is a system that translates domain names into IP addresses which allows browsers to load websites. The MCAST website uses this system as a way of translating their domain name into their IP address in order for browsers to load their website onto the user's device.
6. **HTTP or HTTPS Protocol:** This is the rules used by web browsers and servers to send and receive website data. The MCAST website uses this to secure their website.
7. **SSL or TLS Certificate:** SSL or TLS Certificate is a security feature that encrypts information sent between a website and the user in order to keep it safe. The MCAST website uses this feature in order to protect information such as passwords or student information by making sure that their website connection is secure.