Week 1 – Web Development

What Is The Internet?

* A global network of networks
* Basic infrastructure that connects millions of computers around the world

Why Do We Connect Computers?

Main reason is to share information, such as:

* Sending Emails
* Sharing Files
* Accessing Websites
* Remote access to other computers

To make this communication possible, we need protocols

What Are Protocols?

Standard rules that control how data is sent and received across the internet

Ways Information Can Be Shared Over The Internet

* Email: Using protocols like POP3, IMAP and SMTP
* File Transfer: Using FTP (File Transfer Protocol)
* Remote Access: Using SSH (Secure Shell)
* Web Browsing: Using HTTP (Hyper Text Transfer Protocol) or HTTPS (Hyper Text Transfer Protocol Secure)

What Is The Web?

* The Web (Originally called the World Wide Web)
* A way to share information over the internet
* Web is different from the internet – It’s just one service that runs on top of it
* The web is a collection of documents accessible over the internet using a web browser
* Sharing this content also follows a communication protocol: HTTP

What Is HTTP?