http

HTTP uses SSL to make HTTPS

ip address - logical address of a device in a network

switch - connects devices in the same network

router - is a device that forwards data packets between different networks

4 functionalities -

firewall - protect the network from unauthorized access

port forwarding - In computer networking, port forwarding or port mapping is an application of network address translation (NAT)

that redirects a communication request from one address and port number combination to another while the packets are traversing a network gateway, such as a router or firewall.

NAT - Network address translation (NAT) is a method of mapping an IP address space into another by modifying

network address information in the IP header of packets while they are in transit across a traffic routing device.[1]

DMZ - demilitarized zone is a subnetwork that contains and exposes a device to an untrusted networksuch as the internet

subnet defines your local area network range

OSI model

A screenshot of a computer

Description automatically generated

A computer network model

Description automatically generated with medium confidence

gateway is the ip address of the router

tcp

A blue background with white text

Description automatically generated

AJAX

Ajax is a set of web development techniques that uses various web technologies on the client-side to create asynchronous web applications. With Ajax, web applications can send and retrieve data from a server asynchronously without interfering with the display and behaviour of the existing page

* Update a web page without reloading the page
* Request data from a server - after the page has loaded
* Receive data from a server - after the page has loaded
* Send data to a server - in the background

firewall

vpn

why local host works the way it does

different ports

FTP

SMTP