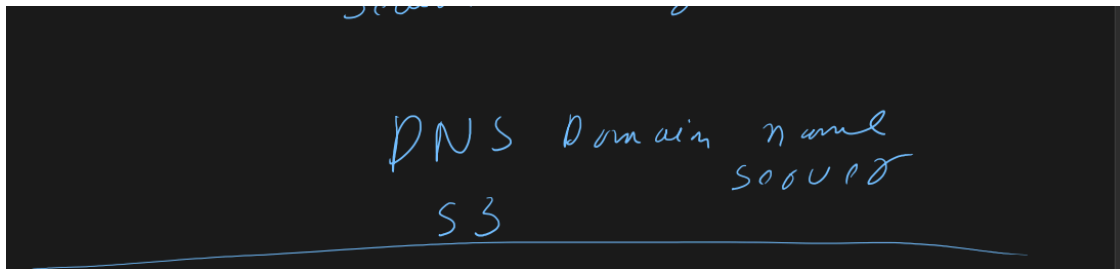# 1OSI

September 9, 2025

Open system interconnection

Physical layer
mac address
cabless and signal
Physical layer can do p2p and in small network

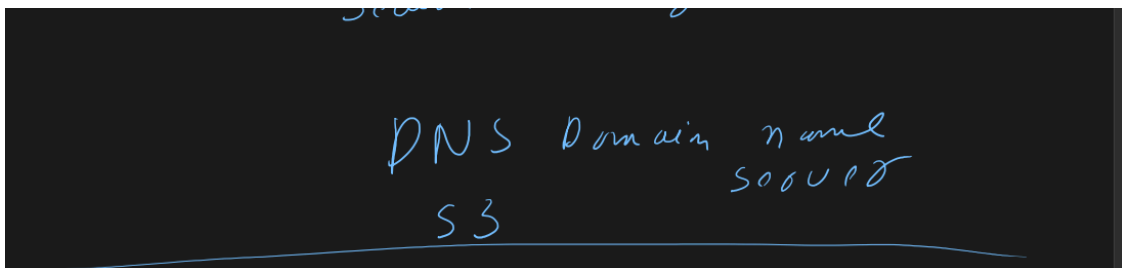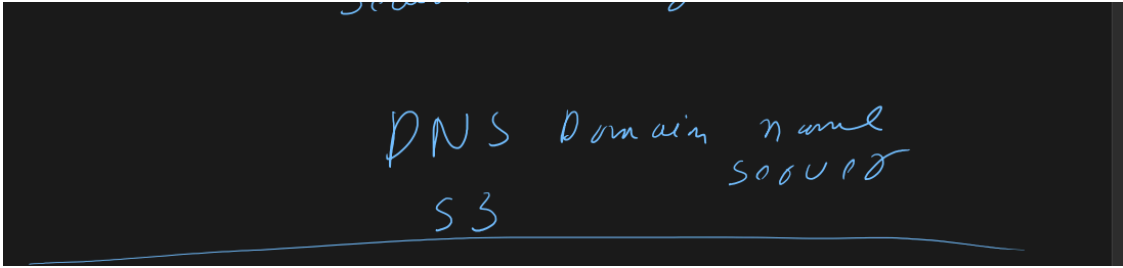
digital to digital conversion

1 Data Link

SW + HW logic

MAC address
Media Access
Control

Physical & Data link
error and varios control ppa (not very important)
error detection

1.0.1 Error control

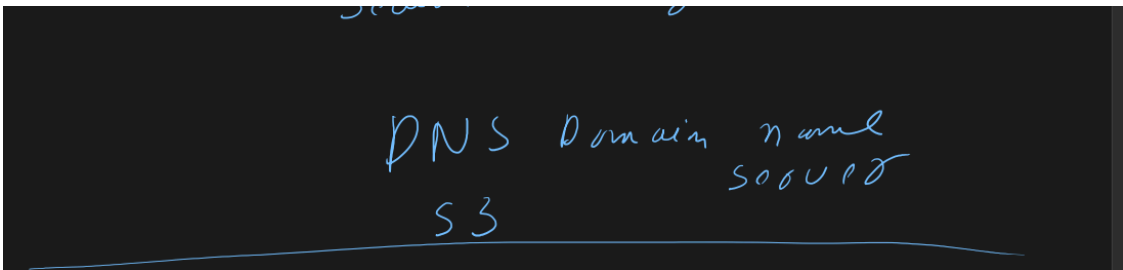### 1.0.2 Flow control

1.0.3 Access control

Network Layer
routing
IP address

Transport
protocols like TCP and UDP.
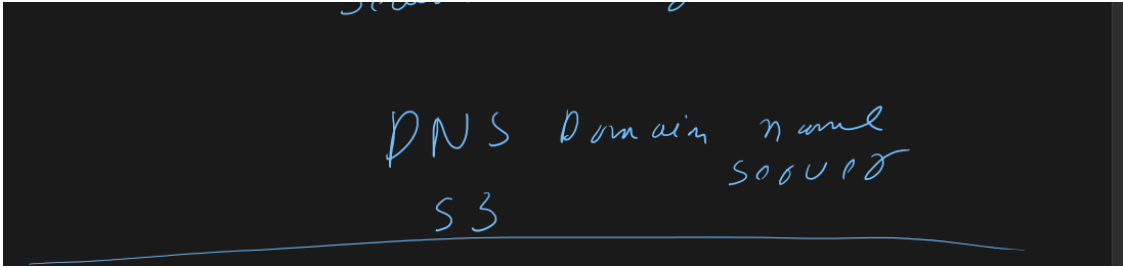
Physical and data link Network and Transport Last me SPA (Single Page application)
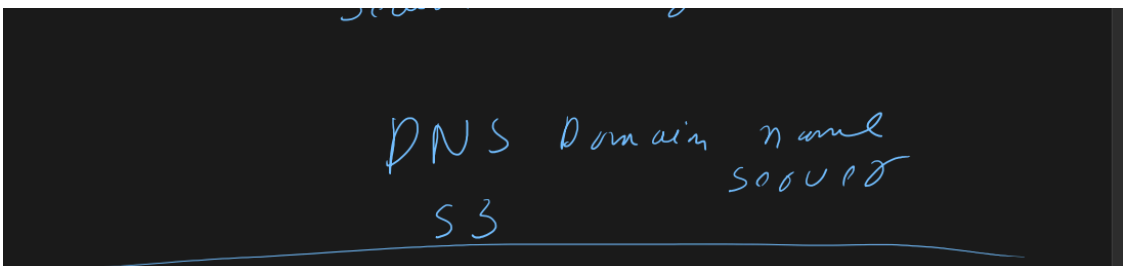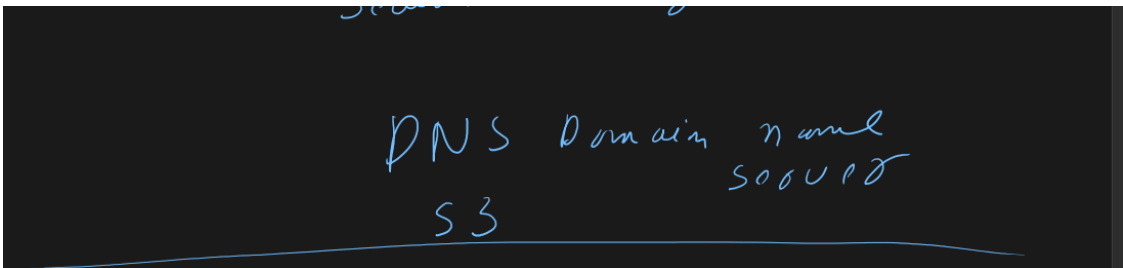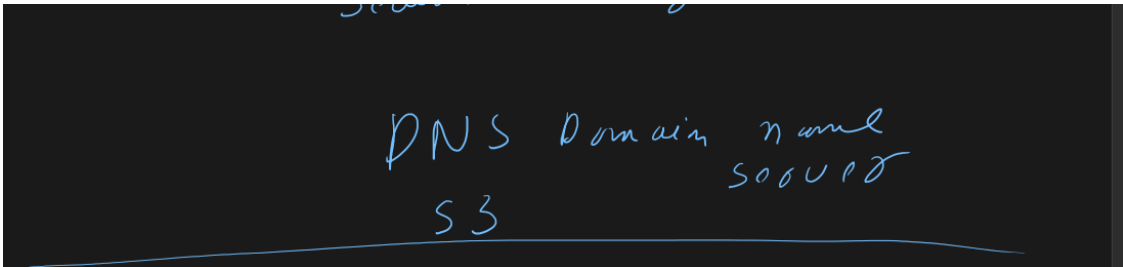
Session

2 Presentation

encryption, and compression.
ssl, tls
password and payment info

Application

POP stands for Post Office Protocol and is a standard email protocol used to retrieve emails from a mail server to a local client. Once the emails are downloaded, they are typically removed from the server unless explicitly configured to keep a copy.

Unlike IMAP (Internet Message Access Protocol), POP does not synchronize emails between the server and the client. Changes made on the client (e.g., deleting or organizing emails) are not reflected on the server.

DNS Domain name
            server
S3

DNS Domain name
            server
S3

Amazon route 53