Chapter no. 2

Architectual Styles in Distributed

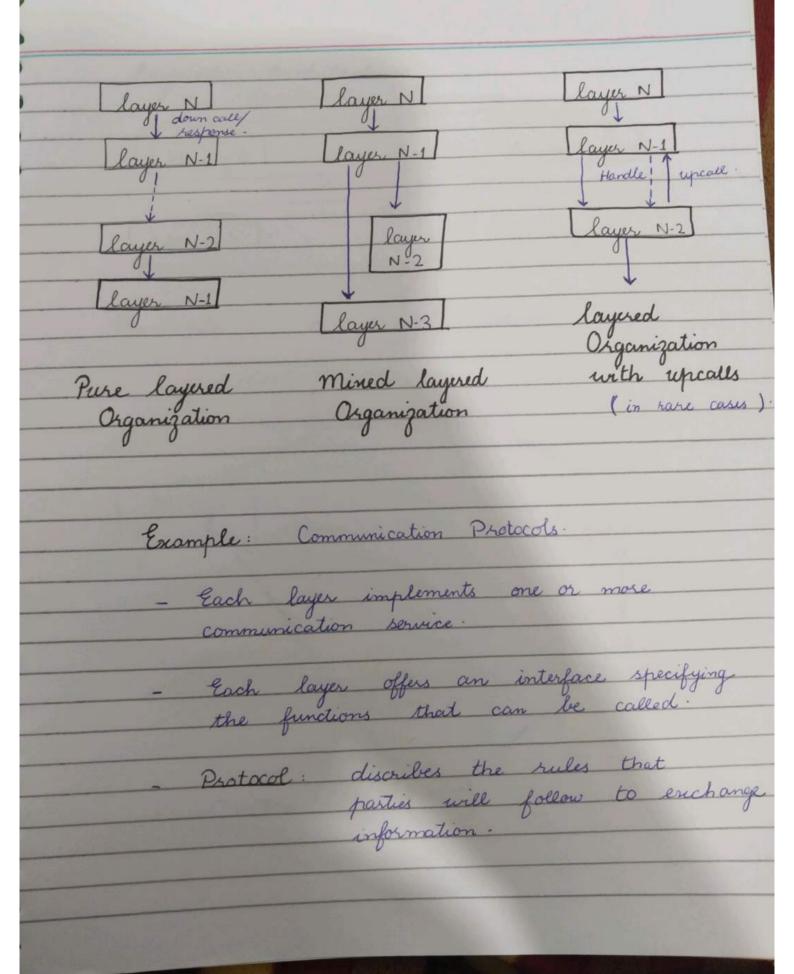
Systems. Software Architecture

- Logical organization and interaction
of various software components. Component

- a modular, replaceable unit

with well defined interfaces. Connector

- mechanism that regulates communication coordination between components. 1) layered 2) Service - oriented 3) Publish - subscribe Compronents are organized hierarchically Component in one layer calls another another component in lower layer (down call) and receives a response. Upcalls are rare



Layered Architectures

Application layering

Traditional three-layering > Processing layer > Data layer. => Found in many a simple search Example: HTML Generator Ranking Database