

Architecture design

What is architecture?

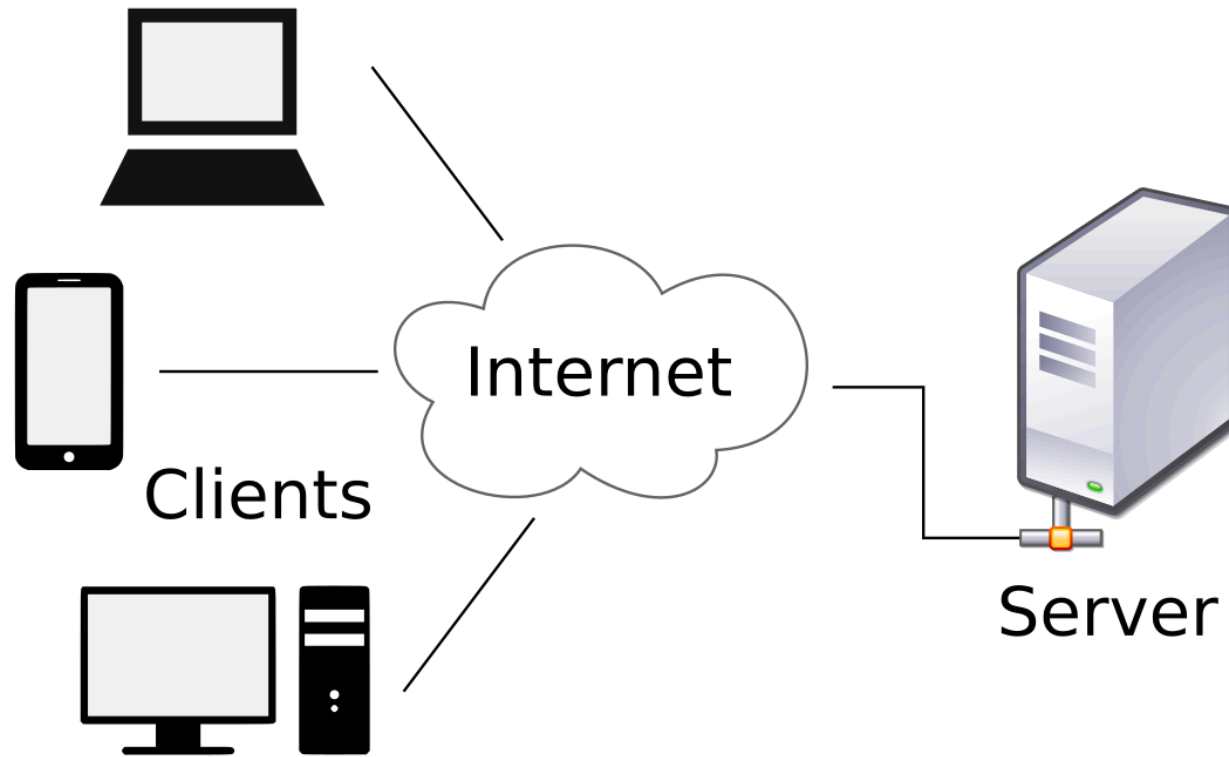
- Software architecture is the set of structures needed to reason about a software system and the discipline of creating such structures and systems. * Each structure comprises software elements, relations among them, and properties of both elements and relations.

Architectural patterns

- captures the design structures of various systems and elements of software so that they can be reused.

Client-server

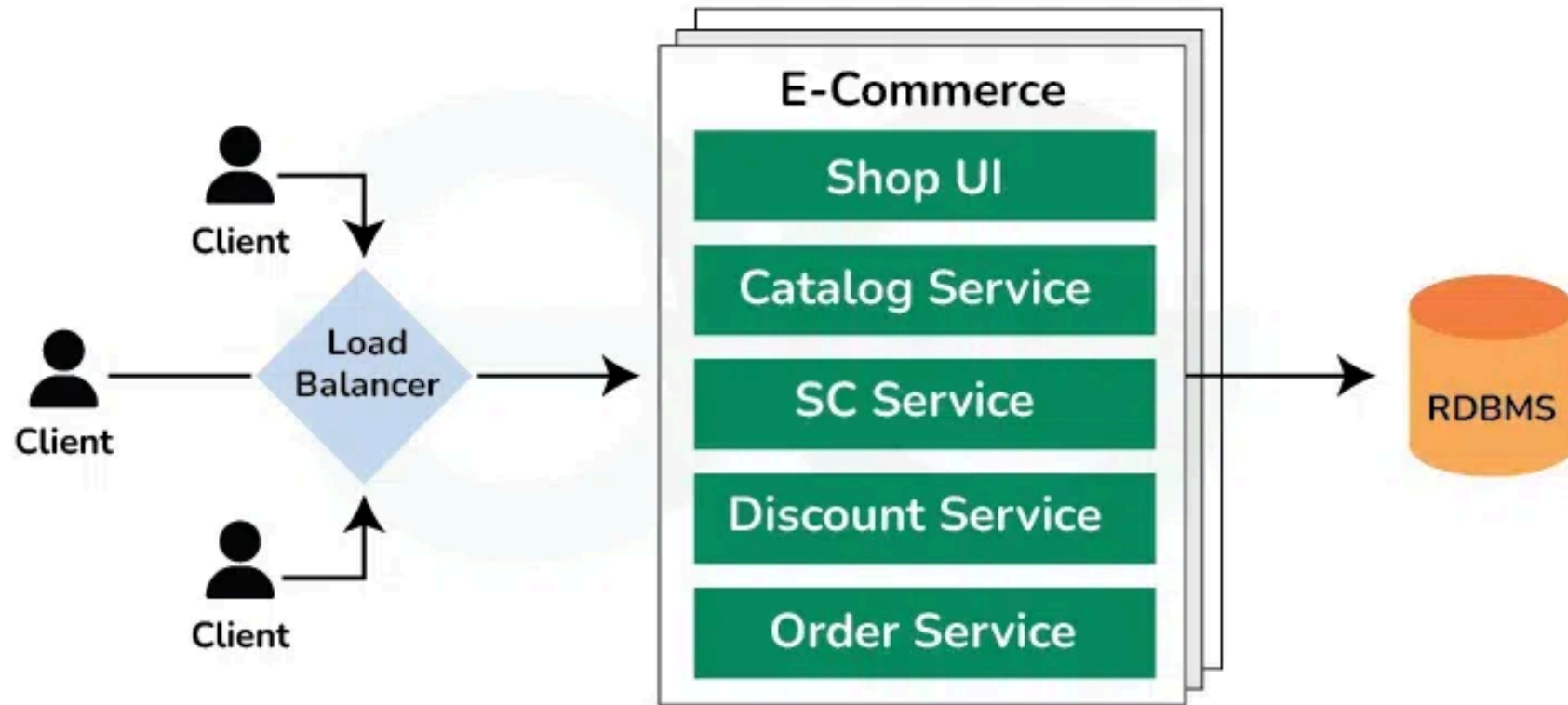
- all web apps use client-server pattern in some way.



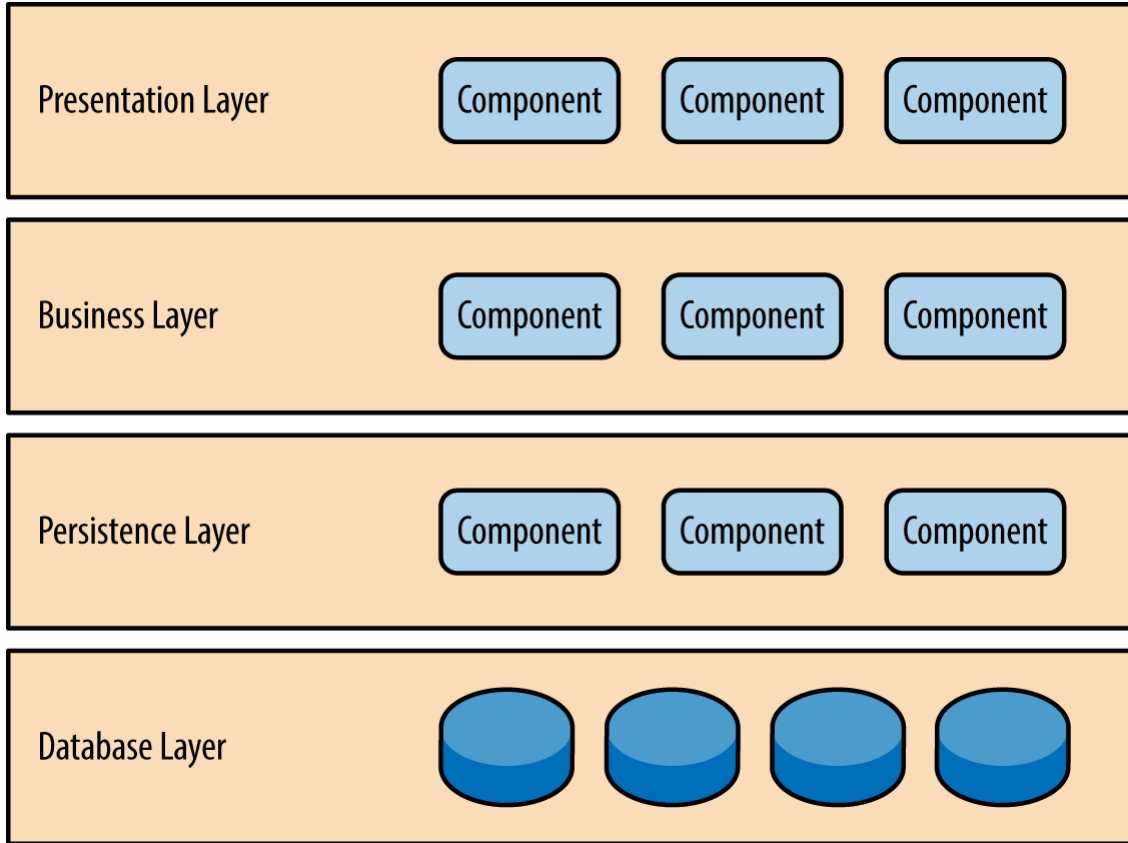
Application patterns

- Three patterns we will consider:
 - Client-server
 - Layered
 - Microservices

Monolithic



Layered



Microservices

