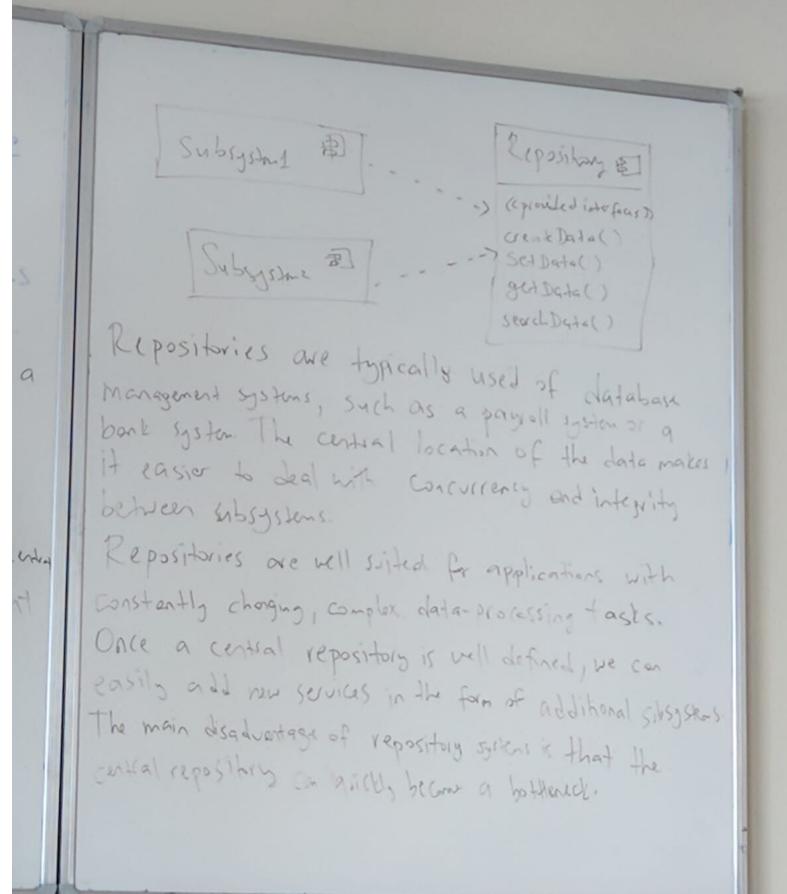
Architectural Styles: As the complexity of systems increases, the specification of system decomposition is critical.

Ly Lidentification of subsystems, services and their relationship a each other.

The architectural styles can be used as a basis for the architecture of different systems.

Repository: Subsystems access and modify a single data structure called the commerce repository. Subsystems are relatively independent and interact only through the repository. Every subsystem depends on only on a central data structure called the Repository. The Repository has no knowledge of the other Subsystems.



-> Model/View/Controller (MVC): Subsystems owe classified into 3 different types model subsystems maintain domain knowledge, View subsystems display it to the use controller subsystems manage the sequera of Interactions with the user. The model subsystems are developed such that they do not depend on any view or controller Subsystem 1 Controller Intrator Lebonard Moger View Ensoibe . Mucis well suited for interactive systems , especially when (multiple views of the same model are needed.

Client / Server: a subsystem, the server, provides
Services to instances of other subsystems called
the clients, which are responsible for interacting
with the user.

Ure Corporat Diag

Client Services Com Services ()

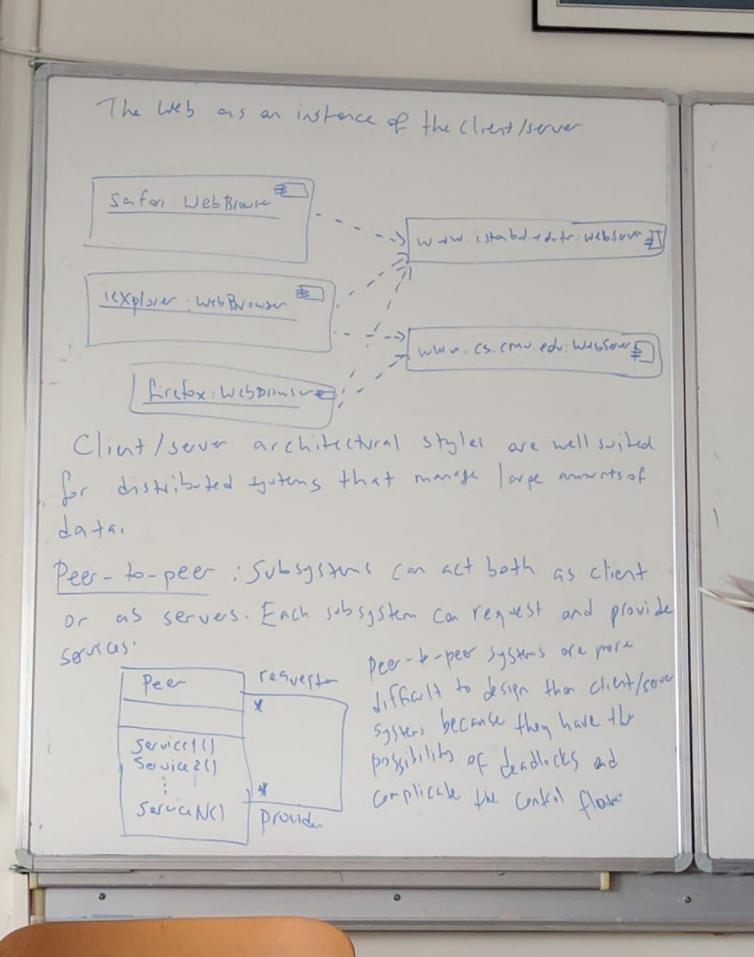
Clients request services Com services ()

one or more services. The server

has to knowledge of the Client. This style is or specialization of the regoritory architectural style

An information system with a central database is an example of a client/server architectural style.

In Client/server systems are bet restricted to a single server on the WWW, a single client con easily access bata from thousands of different servers



Three-ter organizes substitutes into 3 layers - The interface larger includes all boundary objects that deal with the user, including windows, fins, web pages, .. edi-- ) The application logic layer includes all control and entity objects, realizing the processing, rule Chicking and nationation required by the application I The storage layer realites the storage, retrieval and gues of possistant data. Interface & Contho Application base

Four-Ler is a three-her webstecture in which the Interface Layer is decomposed into a Presentation Client layer and a Presentation Sever lager Presentation Client Wib Bimir Presentation sover Application Loc Connection Storage \$ The Prosentation Client Tage is located on the user machines whereas the Presentation Sever layer can be located on one or more servers

from a set of inputs and send results to other

Subsystems via a set of outputs.

The subsystems are called with

The subsystems are called "folters" and the associations between the subsystems are called "pipes".

Each filte knows only the content and the format of the data received on the input pipes, not the filters that produced them.

Filter Southert with Pipe

A Filter can have many inputs and outgots.
A Pipe connects one of the outgots of a Filter to one of the inputs of another Filter.

The best known example of this architectural Style is