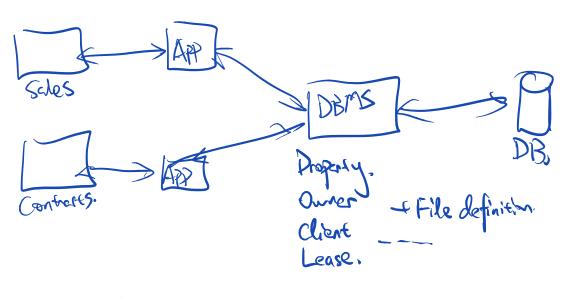
Composed DB.
Concept.
file-based systems: ! systems that store data are not db systems
application perform services for users. each defines and manages own data.
Prince Owner Soles files Flient Soles
Lease. Proporty For Ret Contracts Wient Contracts Contracts Contracts Contracts Contracts
linitaturs
- Separation of data.
(manoe of data held by other dept.).
-duplication of data.
- Same dat held wice potential collisions / different formats.
- data dependence. (on program)
- data dependence. (on program) - file structure defined by program. code. causing 1
- Incompatible file formers
- fixed queries. (now gury -> now programs)
Database Approach.
Definition a shared collection of logically related data. - a self-describing collection of integrated records.
Data - entities attributes (describe entity) relationships.

relational data model. data catalogie - dearptin. data Example. (relational data model)
(mique). Attributes branch Table. Codindity (number of elements). degree (anout of attributes) Staff No. Staffnore rous in table are unique defined by key DBMS (Management System) Definition. hierarchical & network. system enables users second - gen to define create maintain 1970s. relatived DB a DB and provides third-gen. Controlled access. object relational thru a log. SQL. provides services around DB. integrity System.



Primay fuction.