⇒ Application interface se user koi query bhejega
(jese mujhe apni post pe comments dekhne hue),
phir query processor me wo query execute hoga,
ab jo data he wo disk storage me pda hoga to
storage manager use wahan se le he aega.

Database Users : Users are differentiated by the way
they expect to interact with the system.

- Application Programmers: interact with system through
  DML calls, writes application programs.
- Sophisticated Users: form requests in a database
  query language.
- Specialized Users: write specialized database appli-
  cations that do not fit into the traditional data
  processing framework.
- Naive users: invoke one of the permanent applica-
  tion programs that have been written previously.

Query Processor:
- DDL interpreter: which interprets DDL statements &
  records the definitions in the data dictionary.
- DML Compiler: translates DML statements to
  evaluation plans. Also perform query optimization
  (pick the lowest cost evaluation plan from
  among the alternatives).

- Query Evaluation Engine executes low level instructions generated by DML compiler.

Storage Manager : Provide interface b/w low level data in database & application program.

Components :
- **Authorization & integrity manager:** define role and responsibility for users, and provide integrity checks.
- **Transaction manager:** ensure DB consistency on concurrent access.
- **File Manager:** manage allocation of disk space and data structure used for storing data.
- **Buffer Manager:** decide what data to cache.

Disk Storage :
- **Data Files:** which stores database itself.
- **Data Dictionary:** Stores metadata about the structure of the database.
- **Indices:** provide fast access to data items.