

Database users and administrators

- People who work with a database can be categorized as database users and database administrators
- A typical DBMS has users with different rights and permissions who use it for different purposes
- Some users retrieve data and some back it up
- The users of a DBMS can be broadly categorized as follows
 - a) Database administrator
 - b) Designers
 - c) End users

Database Administrator

A person who has control of both the data and the programs that access that data

- Administrators maintain the DBMS and are responsible for administering the database
- They are responsible to look after its usage and by whom it should be used
- They create access profiles for users and apply limitations to maintain, isolation and security force
- Administrators also look after DBMS resources like system license, required tools, and other software and hardware related maintenance.

Functions:

- a) Schema definition
- b) Storage structure and access method definition
- c) Schema and physical organization, modification
- d) Granting of authorization for data access
- e) Routine maintenance

Designer

Designers are the group of people who actually work on the designing part of the database, they keep close, work on designing part of the database. They keep a close watch on what on what data be kept and in what format they identifying and designing the whole set of entities, relations, constraints

End user

End user are those who actually reap the beneficiary of having of DBMS. End users can range from simple viewers who pay attention to the logs or market to sophisticated users such as business analysis database users and user interface are 4 types of users

- I) Naïve users
- II) Application programmer
- III) Sophisticated user
- IV) Specialized users

Naïve users:

Unsophisticated user who interact with the system by involving one of the application program that have been written previously simply reports generated from the database

Application programmers

A computer professional who writes application programs using RAD tools to construct and supports without writing a program

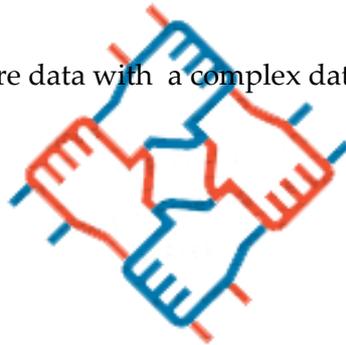
Sophisticated users

Entrusted with the system without writing programs. Data analysis can do the query operations by using OLAP tools and data, mining tools

Specialized users

Write specialized application that does not fit into the traditional data processing framework

Eg: CAD's expert systems to store data with a complex data type



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