

Data and Applications

Shubhankar Kamthankar

Lec 02 Notes

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Course Instructor - Prof. Kamal Karlapalem

1 Simplified Database System

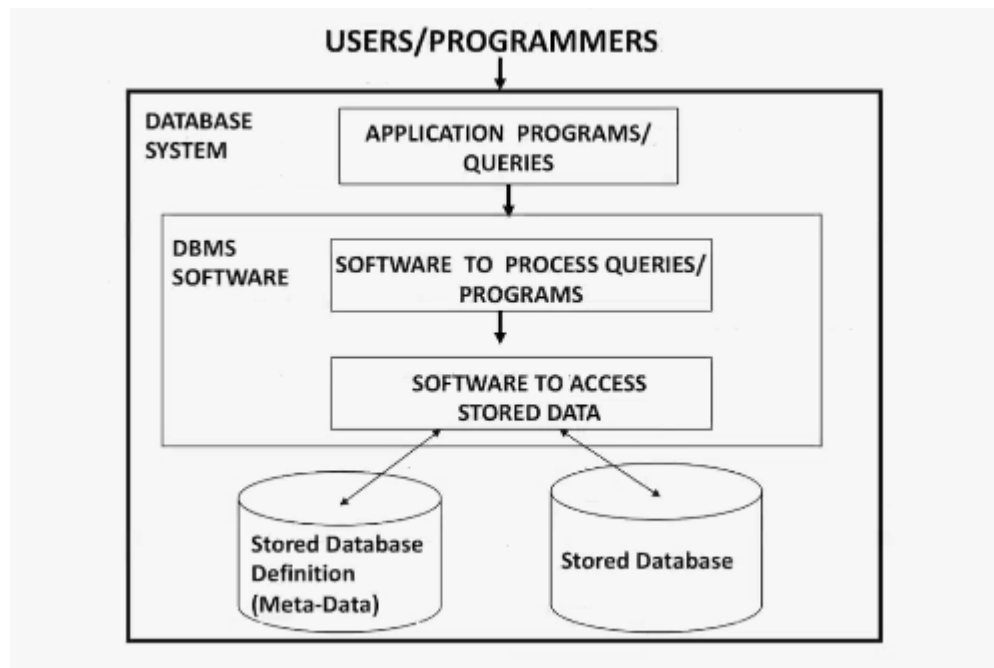


Figure 1:

Let's look at this figure from bottom up:

- The stored database exists (obviously). The stored database doesn't make any sense unless there's a definition of that stored database (else it'd just be random data that makes no sense)
- This definition of stored database is also called as Meta-Data
- The course does not deal with the DBMS Software (It'll be covered in the Data Systems course)

- Consider an environment (Universe of Discourse), come up with data requirements and design a database for the application.

Questions to ask self while designing Database :

- Have I captured all the data requirements?
- Have I captured all the aspects of the database in order to support that particular application of the user?

It is possible that you might miss out on a few requirements, or might have captured it wrongly. Those are the aspects we also concern ourselves with.

2 Example of a Database