

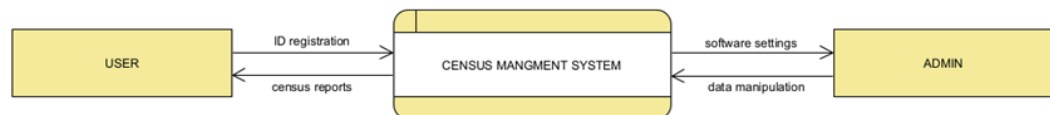
## Practical 3:

**Aim: To perform the function-oriented diagram for the system:**

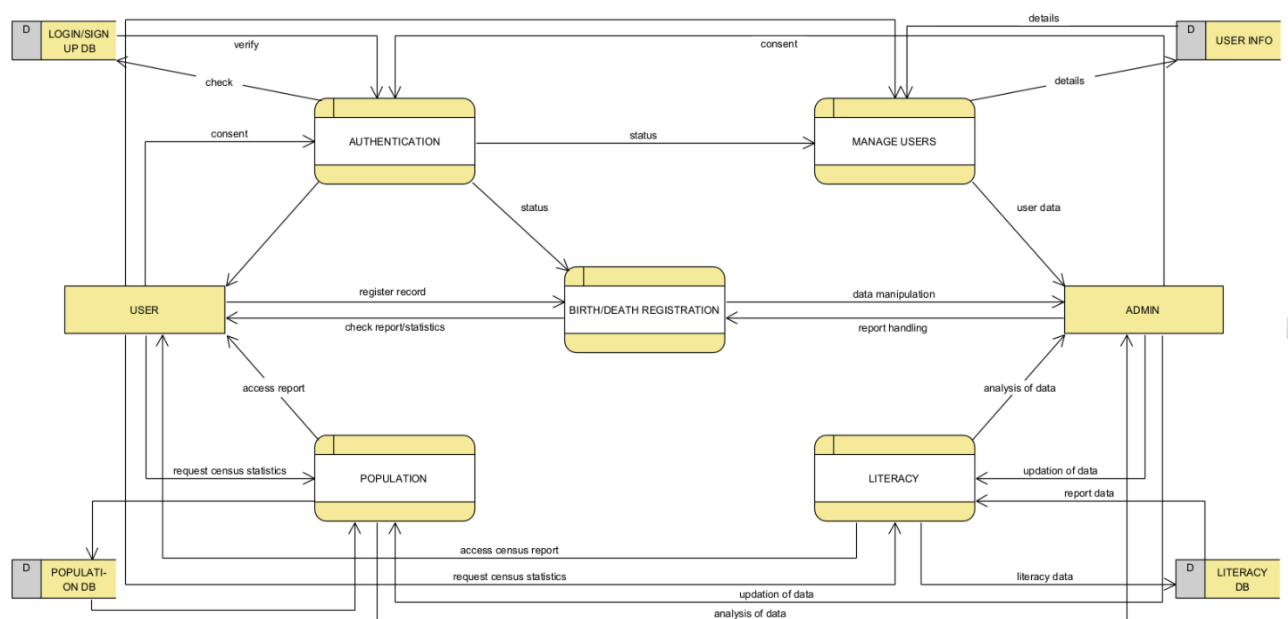
### **Practical 3.1: DFD (Data Flow Diagram)**

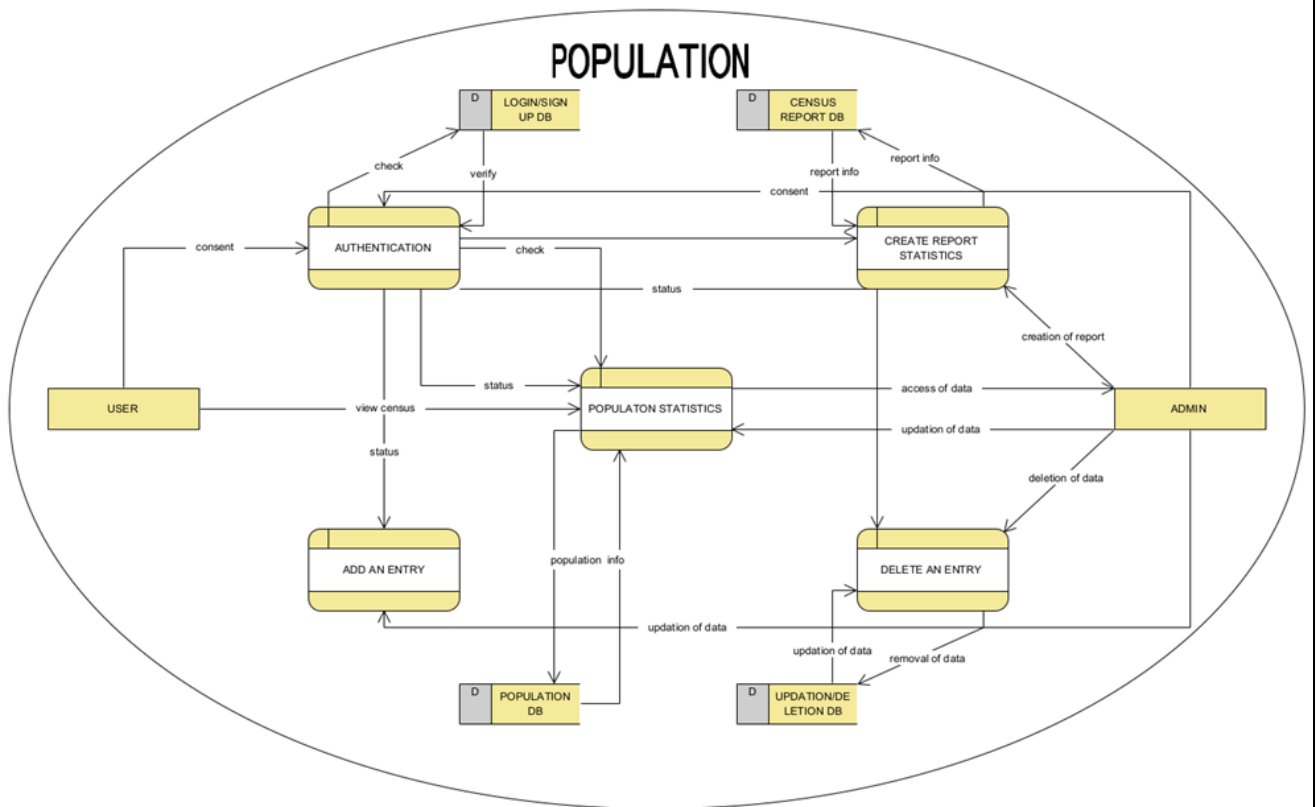
A data flow diagram shows the way information flows through a process or system. It includes data inputs and outputs, data stores, and the various subprocesses the data moves through. DFDs are built using standardized symbols and notation to describe various entities and their relationships.

#### **Level 0 Diagram:**



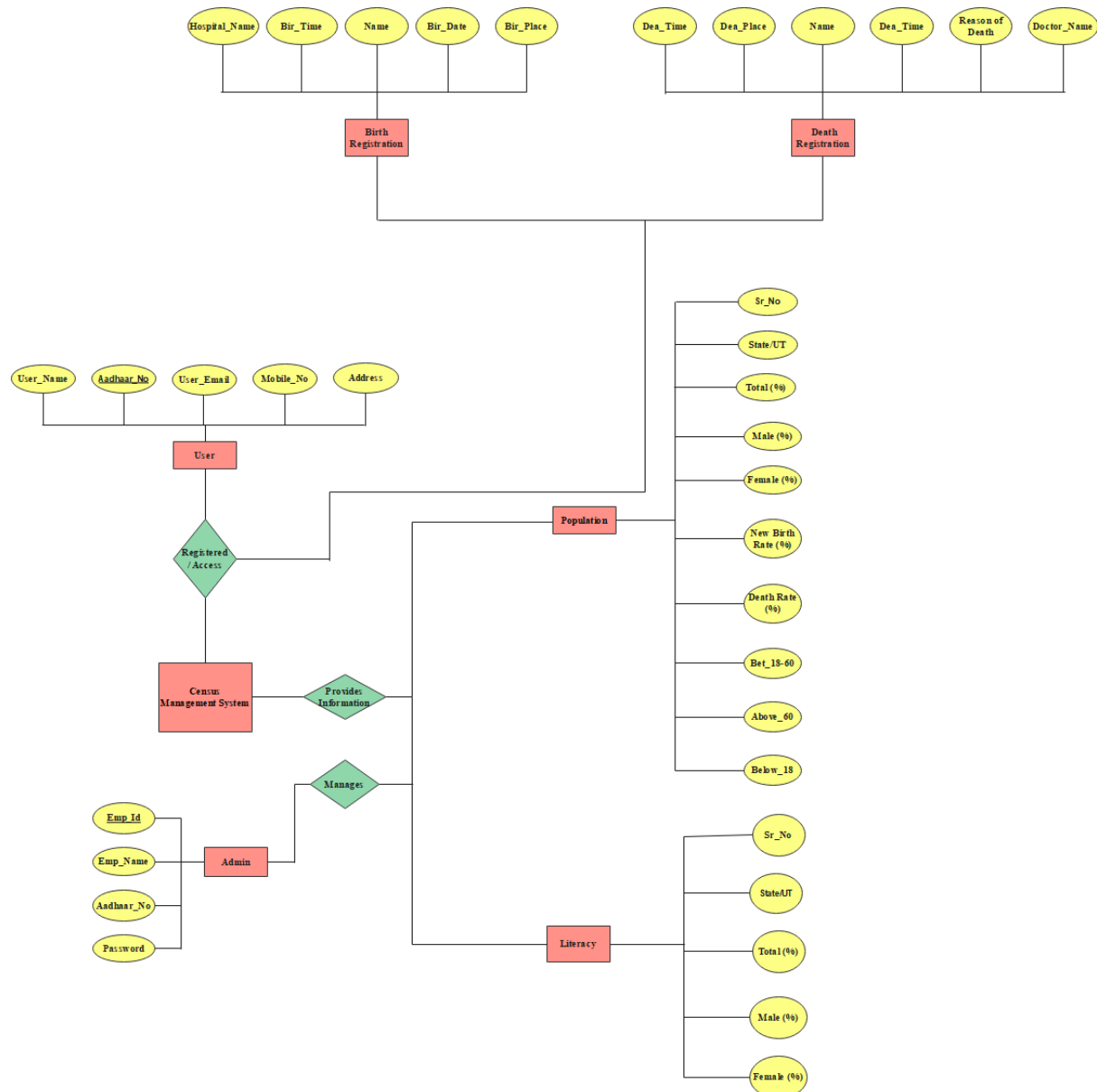
#### **Level 1 Diagram:**



Level 2 Diagram:

### Practical 3.2: ERD (Entity Relationship Diagram)

ER Diagram is known as Entity-Relationship Diagram, it is used to analyse the structure of the database. It shows relationships between entities and their attributes. An ER model provides a means of communication.



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The ER Diagram of Census Management System describes the relationships between users, admin and the application.

- Census Management System provides information about Population and Literacy.
- The system keeps track of the admin with a single point authentication system comprising of Emp ID and password.
- Admin manages the information about population and literacy.
- Users can register/access with their Aadhar No, User Name, User Email, Mobile No and Address. Also user can perform Birth Registration and Death Registration.
- Population describes percentage information about the Male, Female and Total of all the states and UT. It also describes percentage information about New Birth, Rate, Death Rate. It also describes percentage age structure information Between age 18-60, Above 60 and Below 18.
- Literacy describes percentage information about the Male, Female and Total of all the states and UT.