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EXPERIMENT NO. 6

AIM: Draw DFD (upto 2 levels) and prepare a Data Dictionary for the project.

THEORY:

Data Flow Diagram (DFD) - It is a traditional visual representation of information flow within system. A neat and clean DFD can depict right amount of system graphically. It can be manual, automated or a combination of both.
- It shows how data enters and leaves system, what changes information and where data is stored.
- Objective is to show shape scope and boundaries of system as a whole. It may be used as a communication tool between a system analyst and any other past who play past in order that acts as a starting point.

Standard syste symbol for DFD-

- ⌒ Data Flow used to connect processes to each other
- ○ Process that performs some transformation of input data to yield output data.
- □ Sources of sink inputs / sink of system outputs
- ↘↗ Data store is repository of data, arrow heads net inputs & net outputs.

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levels in DFD - DFD may be used to perform system at any level of abstraction. It may be partitioned into levels that represent information and functional detail. Levels are 0, 1, 2 or beyond.

Data Dictionary -

- It is a file & set of files that includes a database metadata. It holds records about other objects in database.
- It is essential component of any relational database. Any database administrators interact with data dictionary. It includes name of data item, aliases, description, related data items, range of values, data structure definition.

Application -

- can be used to create listing of all data items
- can be used to create ordered listing of subset of data items.
- can be used to find data item name from description
- can be used to design software & test cases.

CONCLUSION: Thus, through this experiment, we understood the concept of DFD and data dictionary and implemented the same to execute our project (Gym Management System).

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