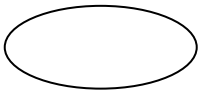
# DATA FLOW DIAGRAM

A data flow diagram (DFD) is a graphical representation of the "flow" of data through an information system. DFDs can also be used for the visualization of data processing (structured design).

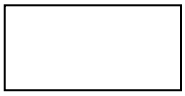
On a DFD, data items flow from an external data source or an internal data store to an internal data store or an external data sink, via an internal process.

A DFD provides no information about the timing of processes, or about whether processes will operate in sequence or in parallel. It is therefore quite different from a flowchart, which shows the flow of control through an algorithm, allowing a reader to determine what operations will be performed, in what order, and under what circumstances, but not what kinds of data will be input to and output from the system, nor where the data will come from and go to, nor where the data will be stored.

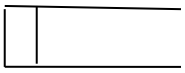
**DFD NOTATIONS**



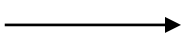
Process



Input/output



Table

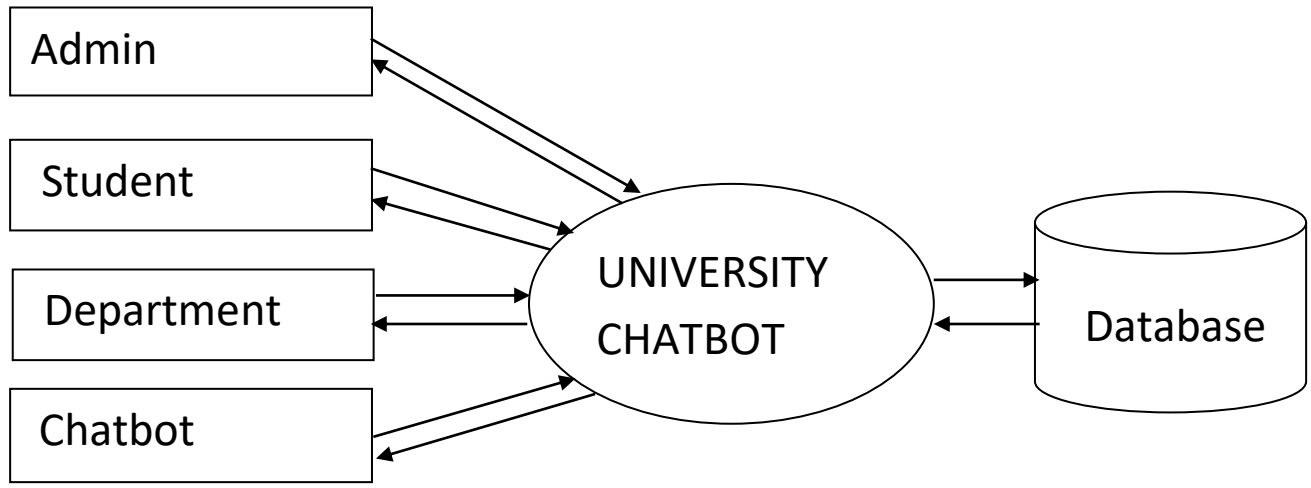


Flow

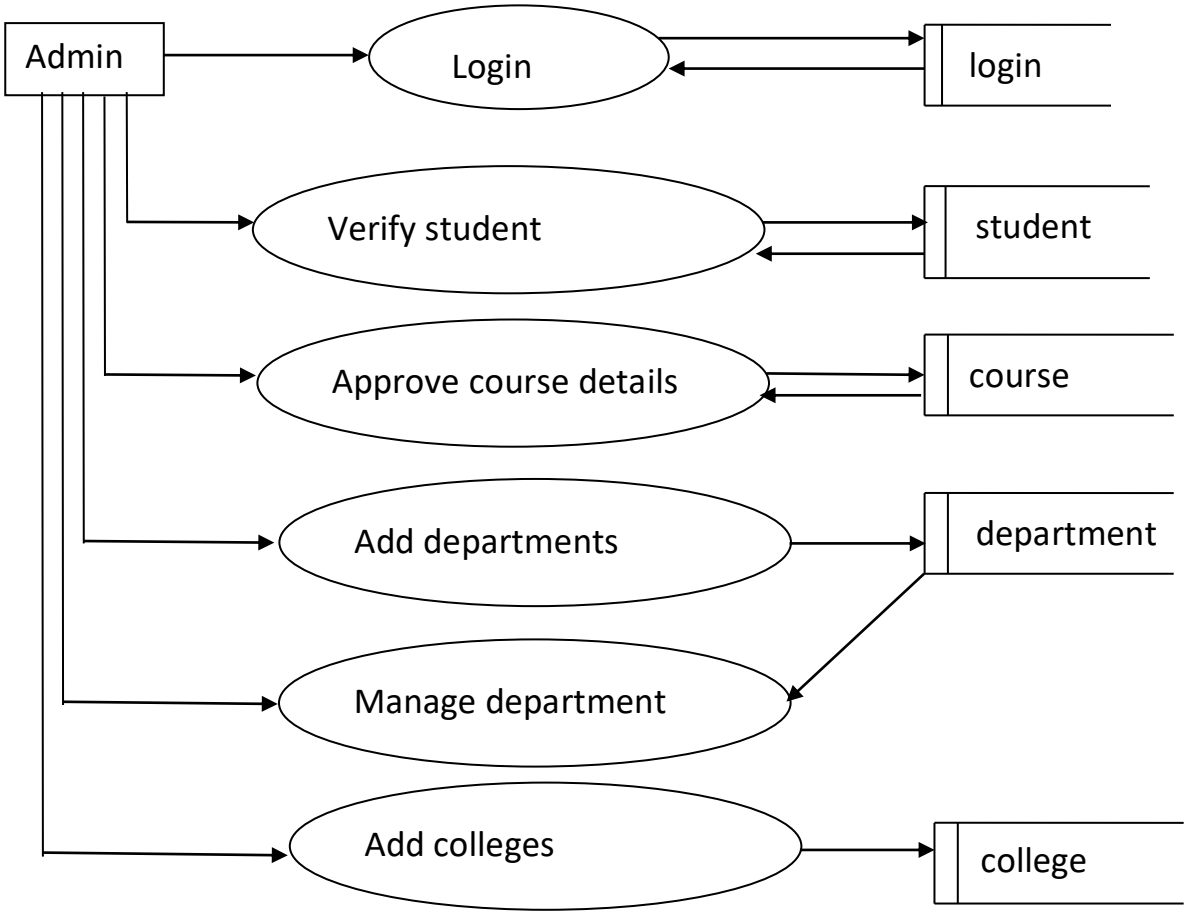
The rules used in constructing data flow diagram are as follows:

- Process should be named and numbered
- The direction of flows is from top to bottom& from left to right
- After exploding, lower level details of process are to be numbered
- The name of data stores, sources, destinations are written in upper cases processes & data flow name have first letter of each word capitalized

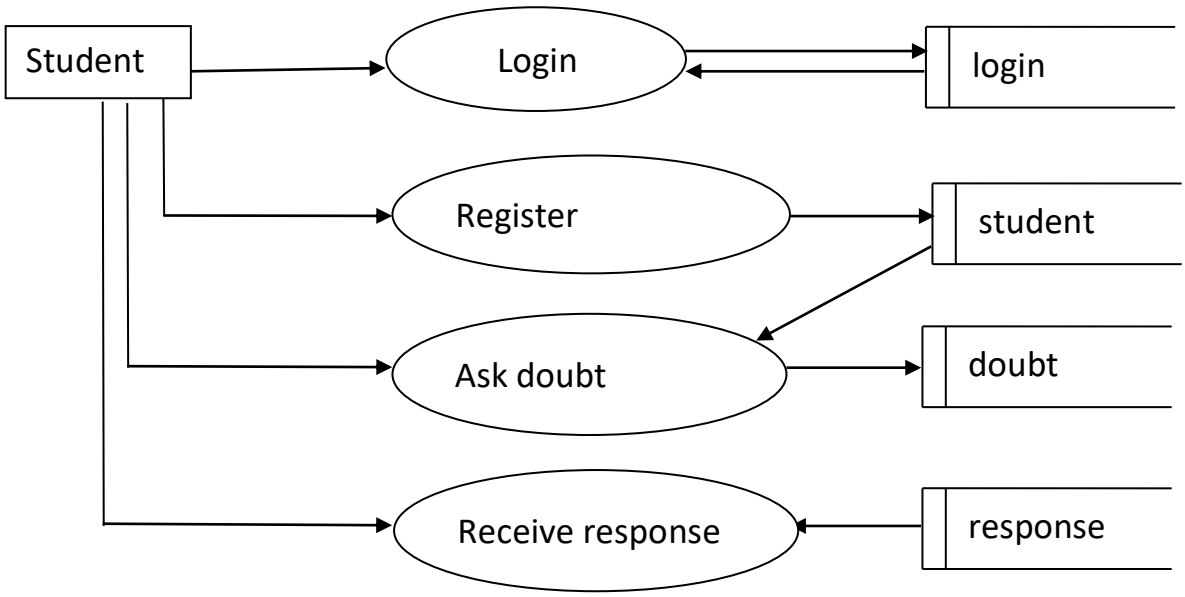
LEVEL 0



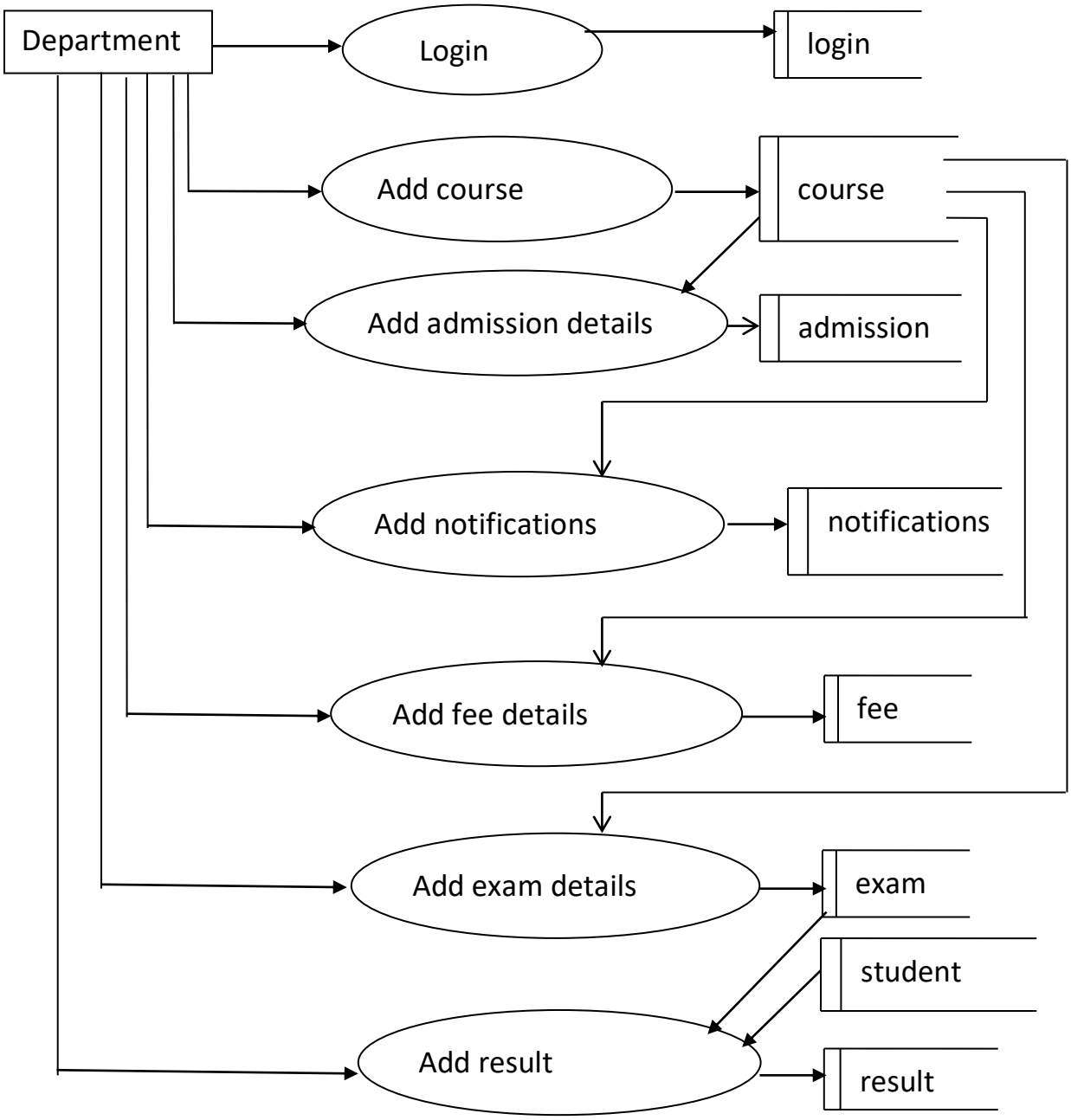
## LEVEL 1



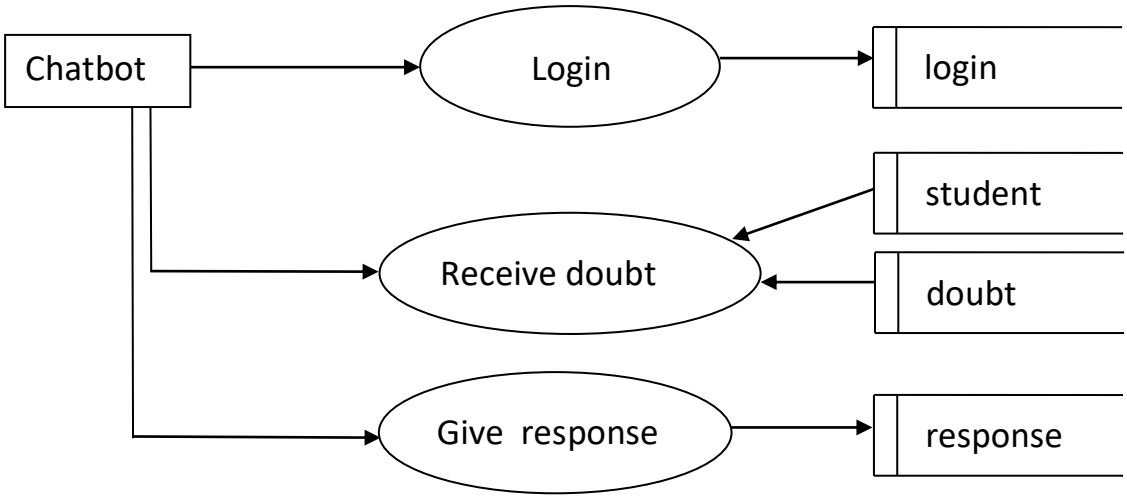

## LEVEL 2



LEVEL 3


Department
Login
login
Add course
course
Add admission details
admission
Add notifications
notifications
Add fee details
fee
Add exam details
exam
student
Add result
result

LEVEL 4


Chatbot
Login
login
student
Receive doubt
doubt
Give response
response