Chhatrapati Shahu Maharaj Shikshan Sanstha's
CHH. SHAHU COLLEGE OF ENGINEERING
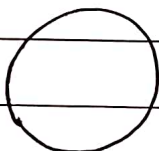Kanchanwadi, Paithan Road, Aurangabad.

Date :

Assignment NO:-2.

Aim:- To perform the function oriented diagram : DFD & Structured chart.

Theory:-

DFD is traditional visual representation of information flows within a system. A neat & clear DFD can depict the right amount of the System requirement graphically. It can be manual automated or a combination of both.

Symbols of DFD:-

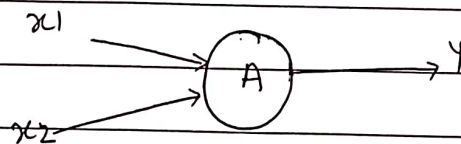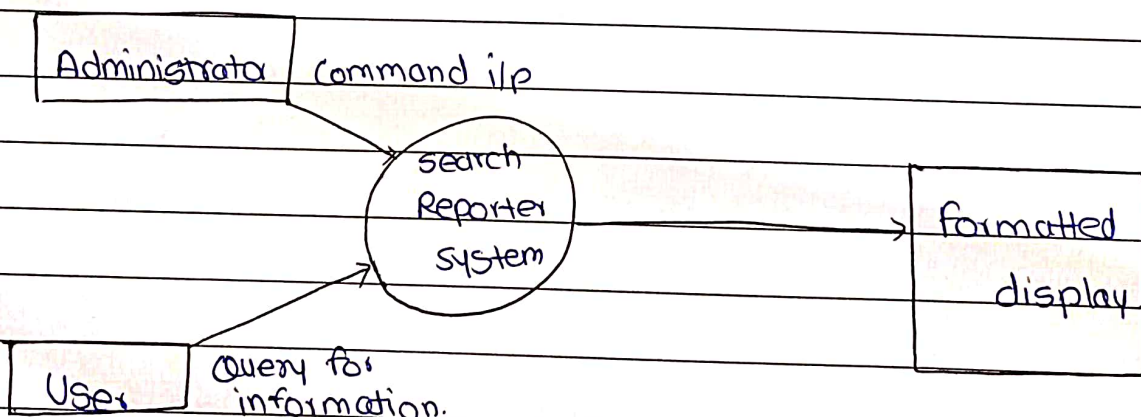| Symbol	Name	Function.
	Data flow	Used to connect process to each other, to source, or sinks; to arrow head indicates direction of data flow.
(circle)	Process	Performs some transformation of i/p data to yeild o/p data.
(arrows)	Source of sink Externel Entity	A repository of data; the arrow heads indicate net i/p & o/p TO store.

Levels in DFD
There are 3-levels of DFD.

0-level DFDM
It is also known as fundamental system model or context diagram represents the entire slw requirement as a single bubble with i/p & o/p data denoted by incoming & outgoing arrows. Exc.

'A' has two inputs x_1 & x_2 and one o/p y, then expected expanded DFD that represents 'A' should to have exactly two external i/p & one external o/p.
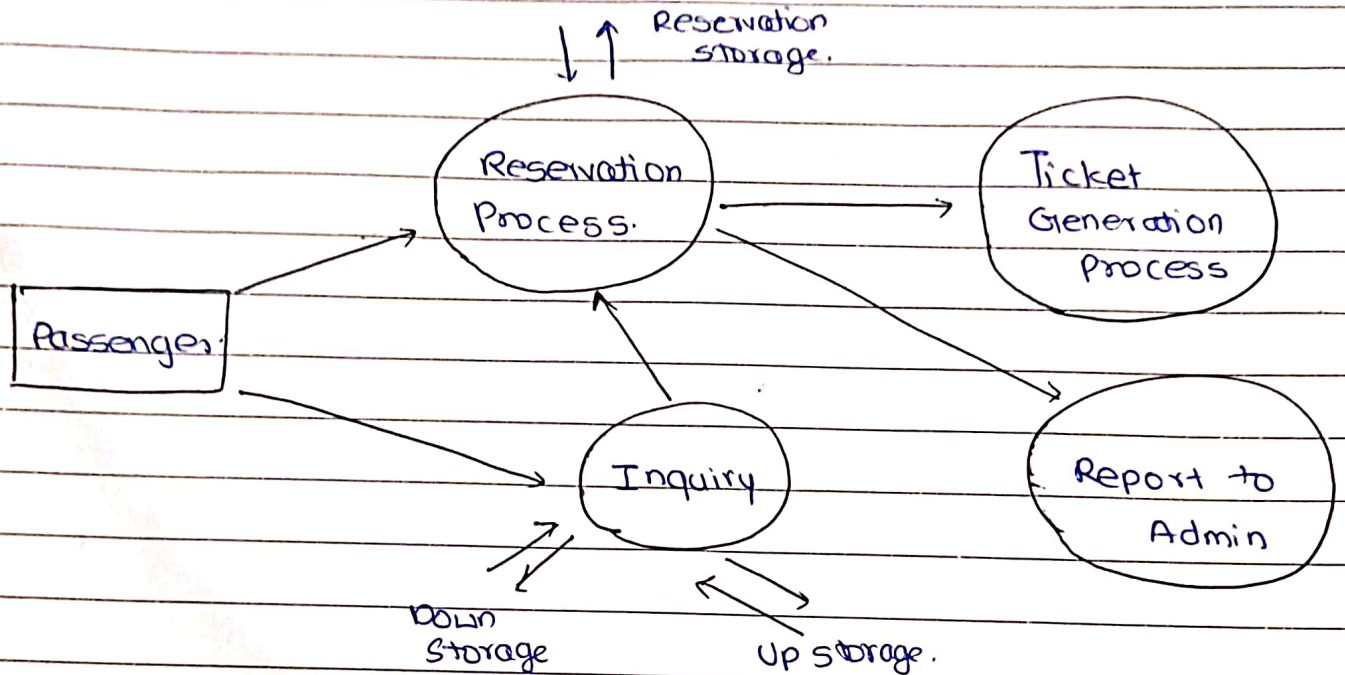

1-level DFD
In 1-level DFD, a context diagram is decomposed into multiple bubbles/processes. In this level we highlight the main objectives of the system

and breakdown the high-level process of 0-level DFD into subprocesses.

2-level- DFD.

2-level DFD goes one step deeper into parts of 1-level DFD. It can be used to plan or record the specificl necessary detail about the system's functioning.

Reservation

Reservation

Reservation

Report

Searching

Confirmation Process

Reservation Process

Query Process

Waiting Process

Collection Process

Waiting

Passenger

Railway department

Ticket Generation Process

Inquery

Cancel table

Generate report

Reservation

Waiting Table.

Generate Ticket