

ID	1
NAME	Patient Info
SOURCE	External Entity: Patient
DESTINATION	Process: Book An Appointment
TYPE	Form
TIME	2 hours
COMMENT	Reception staff take information from patient to book an appointment
DATA STRUCTURE	Patient Data STRUCTURE

Patient Data = patient_Id + patient Name

NAME	Patient_id
LENGTH	20
INPUT FORMAT	9[20]
OUTPUT FORMAT	9[20]
DEFAULT VALUE	Null
CONTINUES/DISCREATE	Discreate
TYPE	numerical
BASE/DERIVED	BASE
UPPER LIMIT	30
LOWER LIMIT	10

NAME	Patient_Name
LENGTH	30
INPUT FORMAT	x[20]
OUTPUT FORMAT	x[25]
DEFAULT VALUE	Null
CONTINUES/DISCREATE	CONTINUES
TYPE	Alphapetic
BASE/DERIVED	BASE
UPPER LIMIT	30
LOWER LIMIT	10

ID	2
NAME	Doctor Info
SOURCE	External Entity:Doctor
DESTINATION	Datastore :doctors
TYPE	File
TIME	An hour
DESCRIPTION	Taking information to calculate the salary

Doctor Data= doctor_name (DATA STRUCTURE)

NAME	Doctor_Name
Data type	char
LENGTH	40
INPUT FORMAT	x[40]
OUTPUT FORMAT	x[40]
DEFAULT VALUE	Nb name
CONTINUES/DISCREATE	Discreate
TYPE	Alphapetic
BASE/DERIVED	BASE
UPPER LIMIT	30
LOWER LIMIT	10

ID	3
NAME	Medicine Bill
SOURCE	Process: Buy medicine
DESTINATION	Process: Pay Bill Medicine
TYPE	Internal
TIME	2hour

Data structure

Medicine Bill Data = Medicine code + Medicine name

NAME	Medicine code
LENGTH	10
INPUT FORMAT	9[10]
OUTPUT FORMAT	9[10]
DEFAULT VALUE	Null
CONTINUES/DISCREATE	Discreate
TYPE	numerical
BASE/DERIVED	DERIVED
UPPER LIMIT	30
LOWER LIMIT	10

NAME	Medicine Name
LENGTH	30
INPUT FORMAT	X[30]
OUTPUT FORMAT	X[30]
DEFAULT VALUE	NULL
CONTINUES/DISCREATE	CONTINUES
TYPE	Alphapetic
BASE/DERIVED	BASE
UPPER LIMIT	30
LOWER LIMIT	10

ID	4
NAME	Report with Salaries
SOURCE	Process:pay Salaries
DESTINATION	Datastore :Accountant
TYPE	File
TIME	3hour

ID	5
NAME	Doctors
SOURCE	External Entity. Doctor
DESTINATION	Process: Pay Salaries
TYPE	internal
TIME	1 hour

	name	address	birthdate	specialization	gendre	salary	phone	id
Data typy	nvarchar	nvarchar	date	char	char	money	varchar	int
size	100	50	100	100	50	200	100	64