

User Table

S.No	Field Name	Data Type	Length	Description
1	username	CharField	150	Username for login (inherited from AbstractUser)
2	password	CharField	128	Encrypted password (inherited from AbstractUser)
3	first_name	CharField	150	User's first name (inherited from AbstractUser)
4	last_name	CharField	150	User's last name (inherited from AbstractUser)
5	email	EmailField	254	User's email address (inherited from AbstractUser)
6	role	CharField	20	User role (admin/hospital/doctor/patient)

Hospital Table

S.No	Field Name	Data Type	Length	Description
1	name	CharField	255	Name of the hospital
2	address	TextField	-	Full address of the hospital
3	phone	CharField	20	Contact number of the hospital
4	description	CharField	220	Brief description of the hospital
5	owner	OneToOneField	-	Reference to User table (Hospital admin)

Doctor Table

S.No	Field Name	Data Type	Length	Description
1	email	EmailField	100	Doctor's email address (optional)
2	phone	CharField	15	Doctor's contact number (optional)
3	name	CharField	20	Doctor's name (optional)
4	user	OneToOneField	-	Reference to User table
5	hospital	ForeignKey	-	Reference to Hospital table
6	description	CharField	220	Brief description about the doctor (optional)
7	specialization	CharField	255	Doctor's specialization (optional)

Appointment Table

S.No	Field Name	Data Type	Length	Description
1	patient	ForeignKey	-	Reference to User table (patient)
2	doctor	ForeignKey	-	Reference to Doctor table
3	hospital	ForeignKey	-	Reference to Hospital table
4	date	DateField	-	Appointment date
5	time	TimeField	-	Appointment time
6	status	CharField	20	Status of appointment (pending/confirmed/canceled)

Ambulance Table

S.No	Field Name	Data Type	Length	Description
1	hospital	ForeignKey	-	Reference to Hospital table
2	driver_name	CharField	255	Name of the ambulance driver
3	driver_contact	CharField	20	Contact number of the driver
4	number_plate	CharField	20	Unique vehicle registration number
5	is_available	BooleanField	-	Availability status of ambulance

Ambulance Booking Table

S.No	Field Name	Data Type	Length	Description
1	user	ForeignKey	-	Reference to User table (booking user)
2	ambulance	ForeignKey	-	Reference to Ambulance table
3	pickup_location	CharField	255	Starting location for pickup
4	drop_location	CharField	255	Destination location
5	booking_time	DateTimeField	-	Time when booking was made
6	status	CharField	20	Booking status (Pending/Confirmed/Completed)

Prescription Table

S.No	Field Name	Data Type	Length	Description
1	medical_report	ForeignKey	-	Reference to Medical Report table
2	medicine_name	CharField	255	Name of prescribed medicine
3	dosage	CharField	50	Dosage amount (e.g., "500mg")
4	frequency	CharField	50	How often to take (e.g., "Twice a day")
5	duration	CharField	50	Duration of prescription (e.g., "7 days")
6	instructions	TextField	-	Additional instructions (optional)

Medical Report Table

S.No	Field Name	Data Type	Length	Description
1	patient	ForeignKey	-	Reference to User table
2	doctor	ForeignKey	-	Reference to Doctor table
3	hospital	ForeignKey	-	Reference to Hospital table
4	diagnosis	TextField	-	Patient diagnosis details
5	prescription	TextField	-	Prescribed medications and treatments
6	report_date	DateTimeField	-	Date and time of report creation

XRay Model Table

S.No	Field Name	Data Type	Length	Description
1	patient	ForeignKey	-	Reference to User table
2	uploaded_by	ForeignKey	-	Reference to User table (staff)
3	image	ImageField	-	X-Ray image file
4	uploaded_at	DateTimeField	-	Upload timestamp

XRayAnalysis Model Table

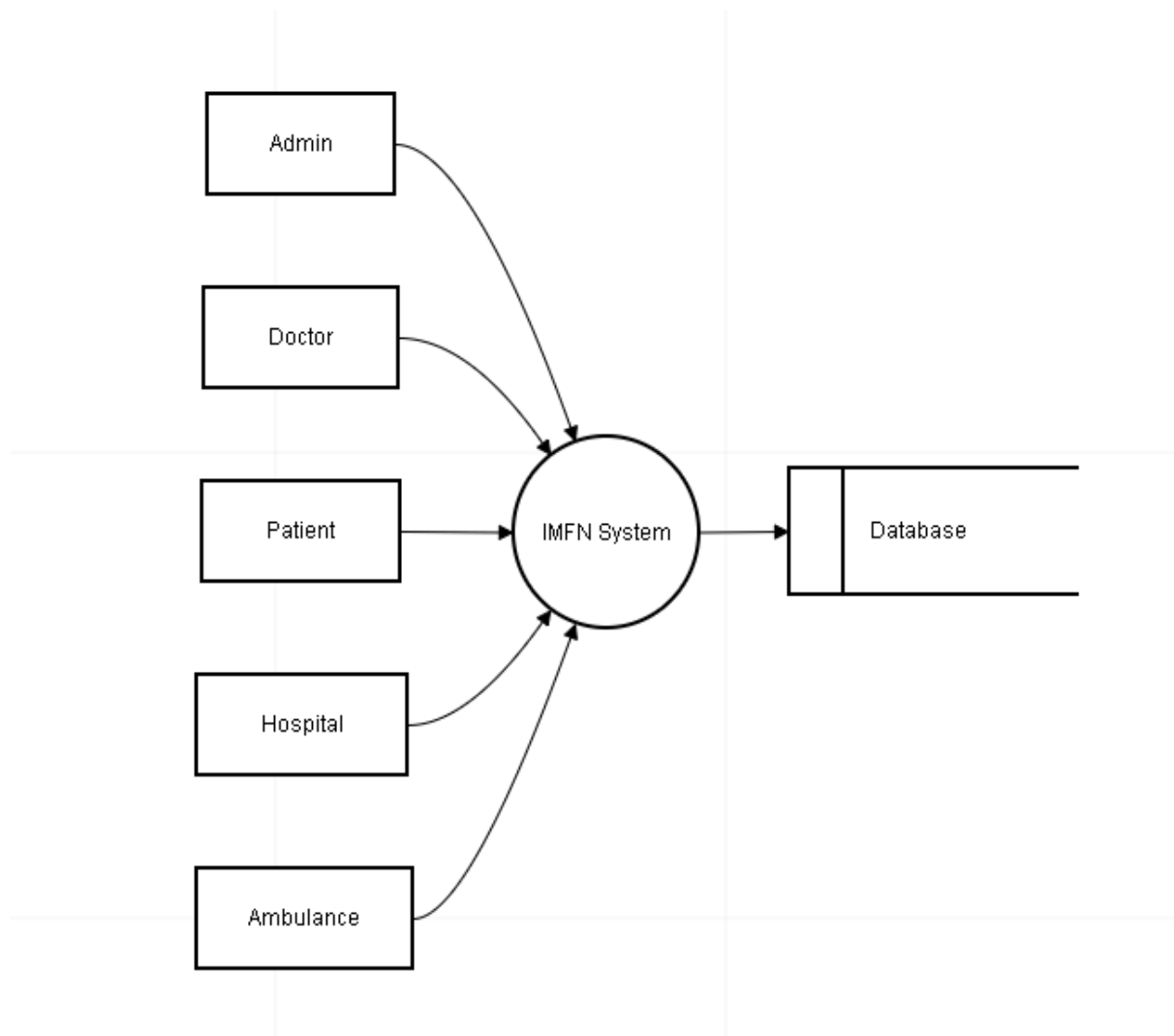
S.No	Field Name	Data Type	Length	Description
1	xray	ForeignKey	-	Reference to XRay table
2	doctor	ForeignKey	-	Reference to Doctor table
3	diagnosis	TextField	-	X-Ray diagnosis
4	recommendations	TextField	-	Treatment recommendations
5	analyzed_at	DateTimeField	-	Analysis timestamp

ChatMessage Model Table

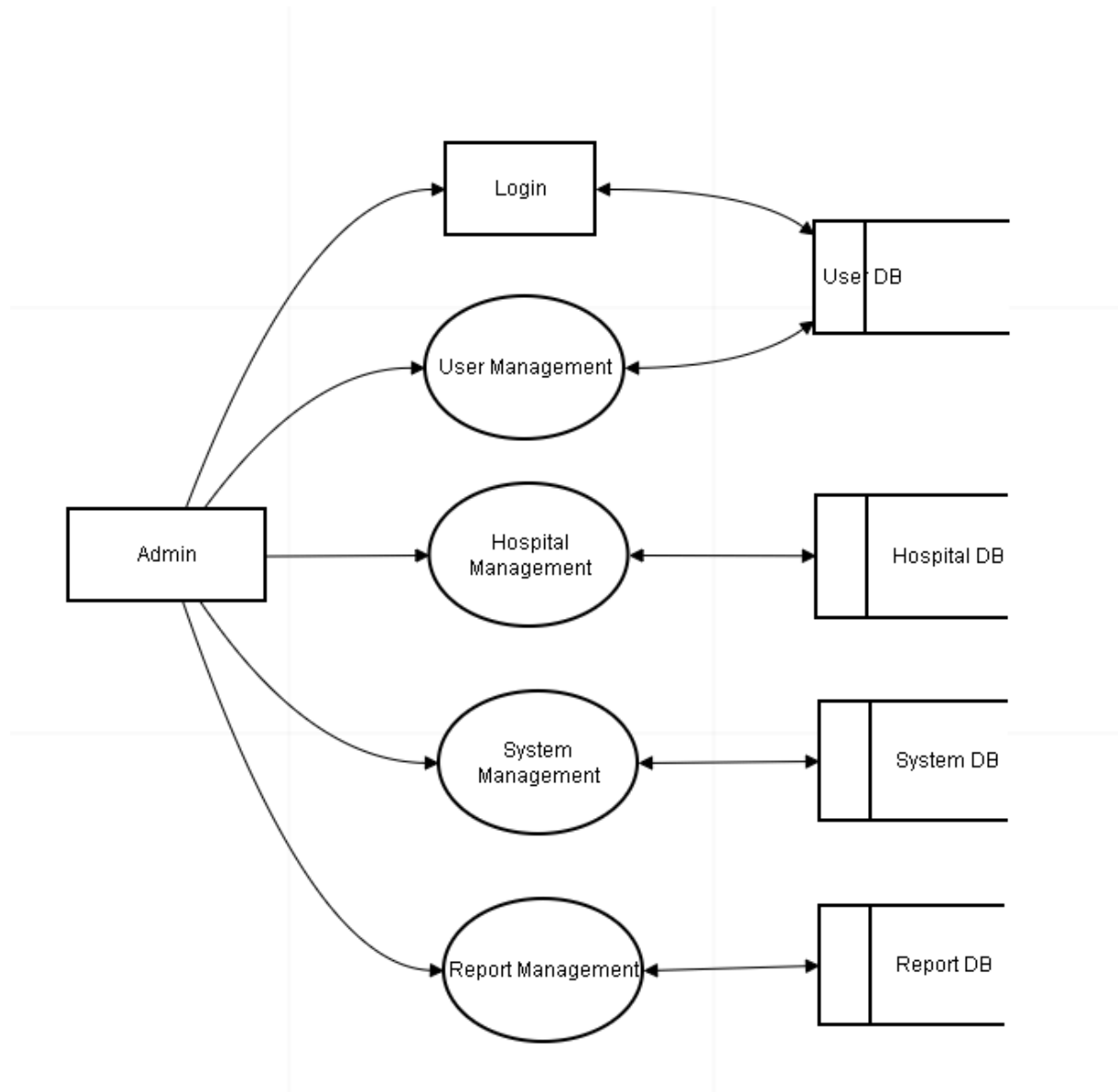
S.No	Field Name	Data Type	Length	Description
1	sender	ForeignKey	-	Reference to User table (message sender)
2	receiver	ForeignKey	-	Reference to User table (message receiver)
3	message	TextField	-	Chat message content
4	timestamp	DateTimeField	-	Message creation timestamp
5	is_read	BooleanField	-	Message read status

Data Flow Diagrams

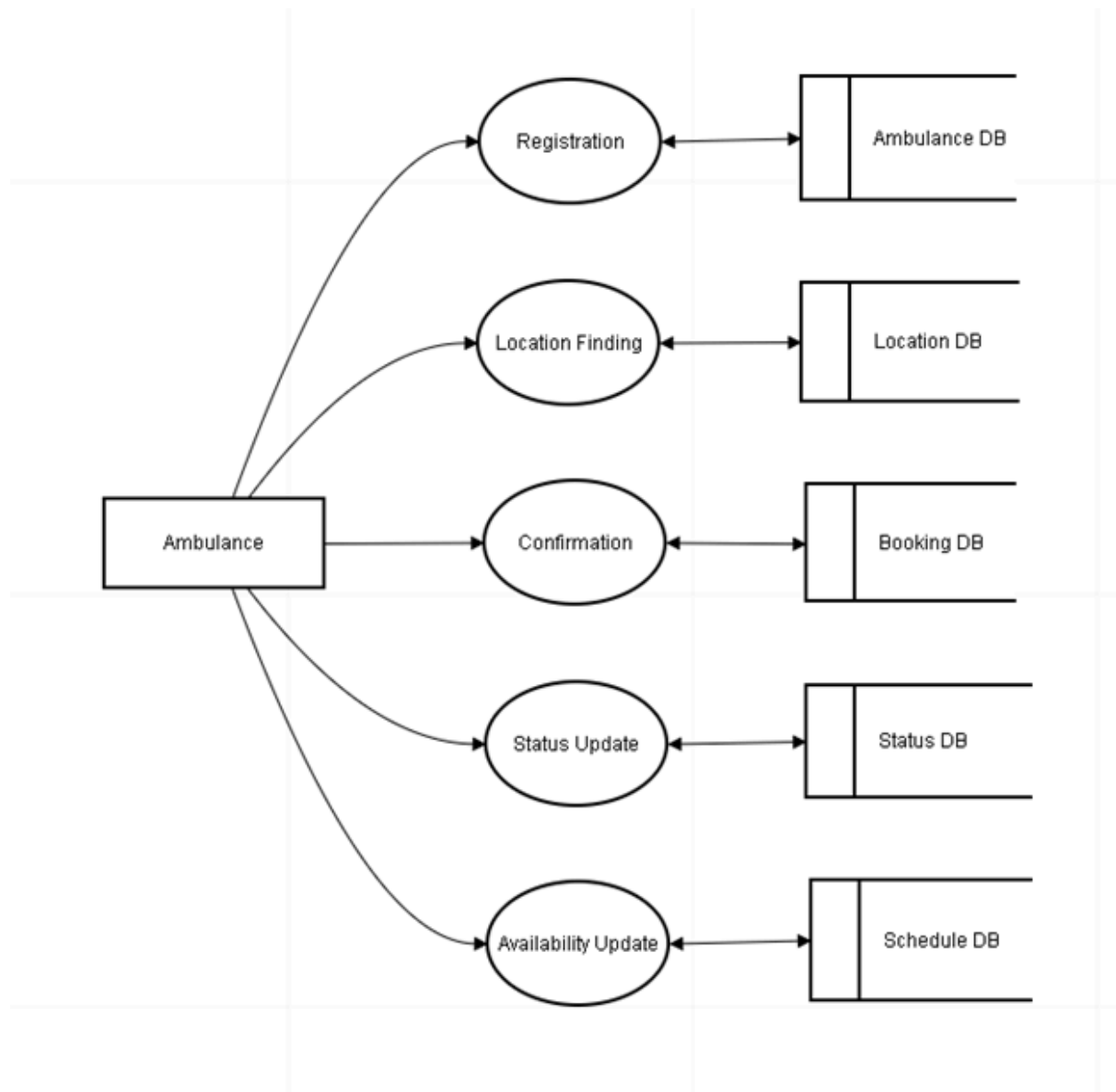
LEVEL-0 (CONTEXT LEVEL) DFD



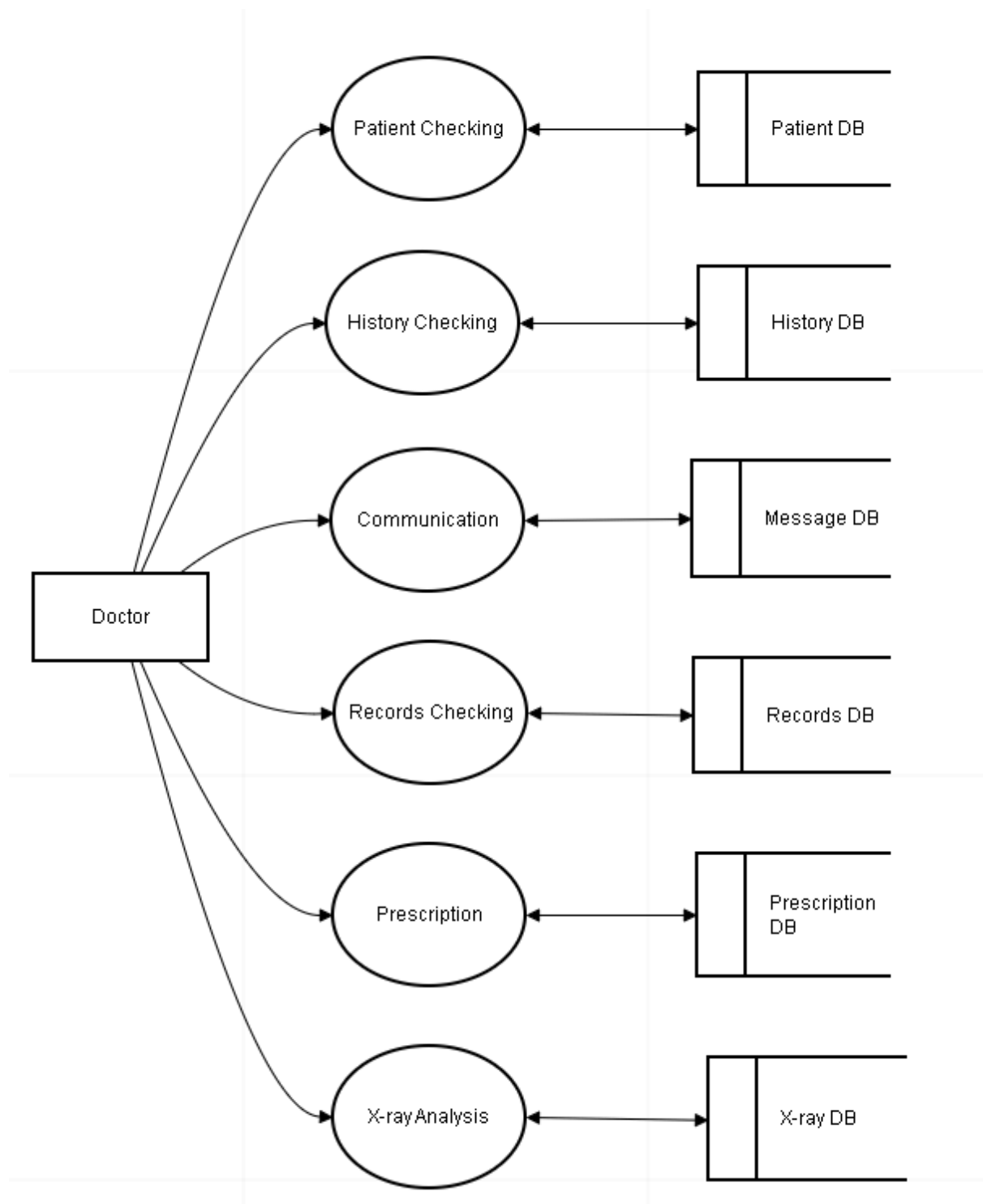
LEVEL-1 DFD FOR ADMIN



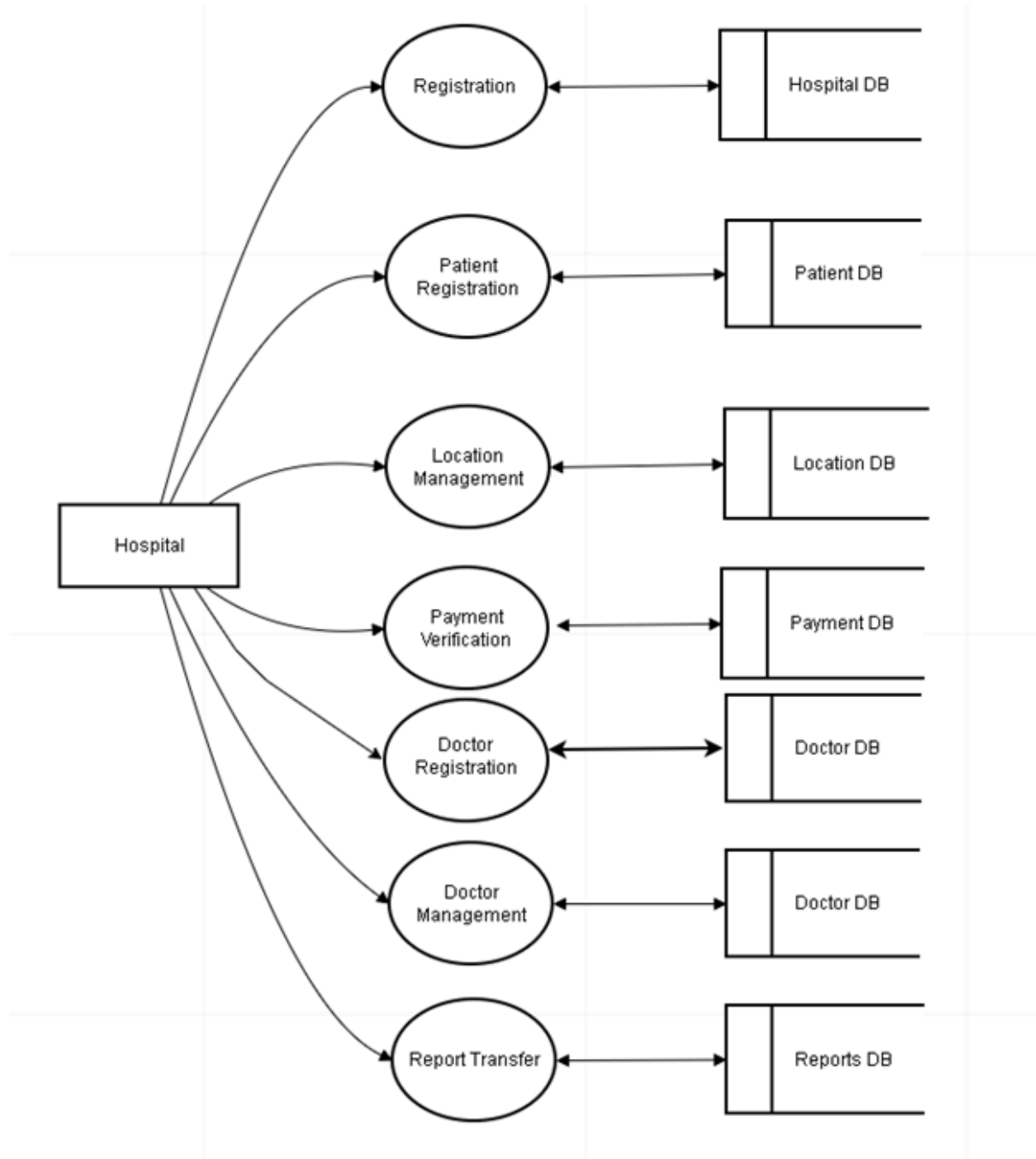
LEVEL-2 DFD FOR AMBULANCE



LEVEL-2 DFD FOR DOCTOR



LEVEL-2 DFD FOR HOSPITAL



LEVEL-2 DFD FOR PATIENT

