

Tele-Health Monitoring System (Data Representation)



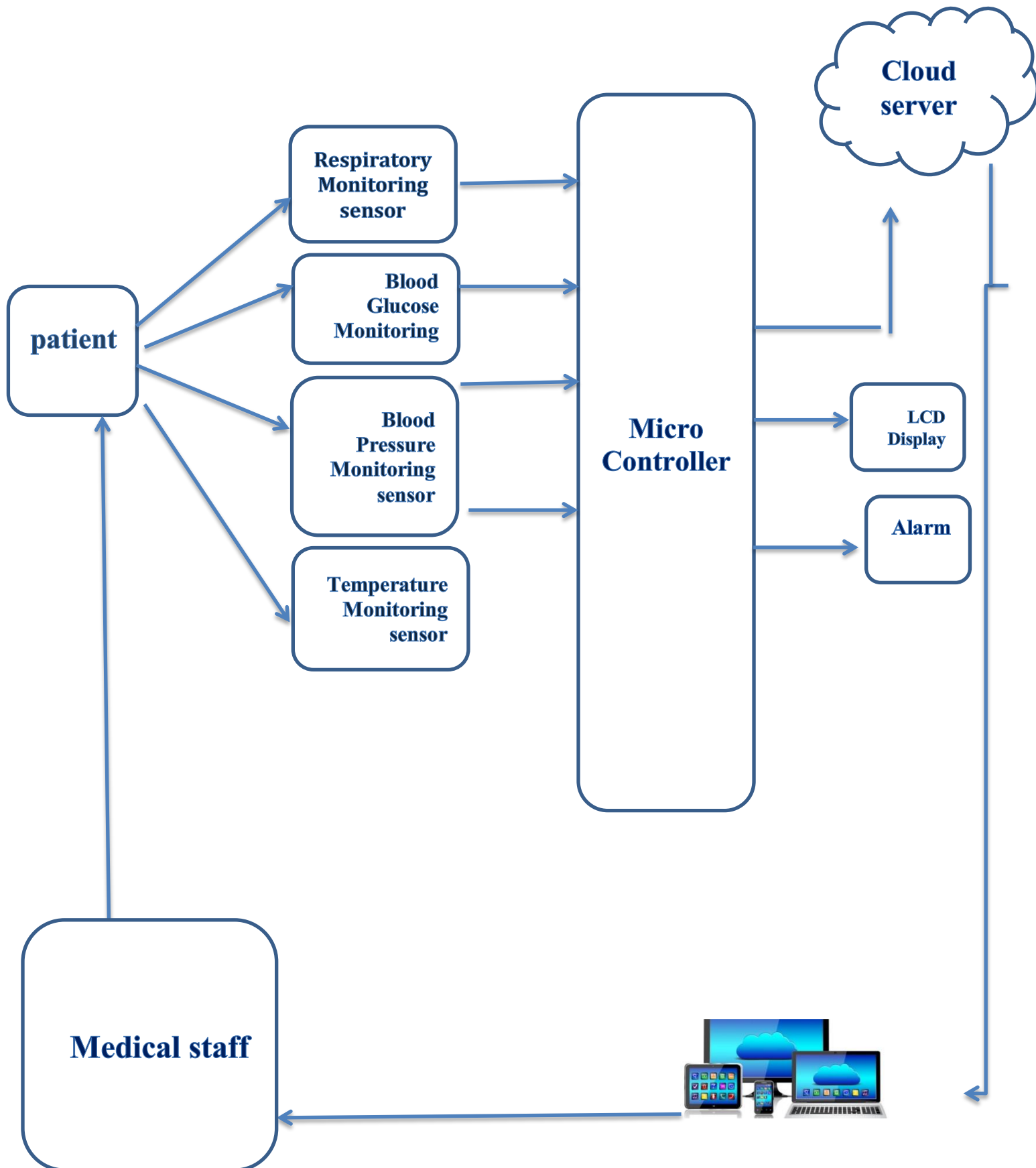
Team Members

- 1- Amany Eldosokey Goda Kamar.
- 2- Omnia Naser Abd Elfatah.
- 3- Fatma Hamdy Mohamed Mousa.
- 4- Fatma Nabil Ebrahim.
- 5- Fatma faisal Mohamed Salah.
- 6- Fatema Mohamed Abd Elhamed Ahmed.

Supervised by : Prof\Khaled Fouad.

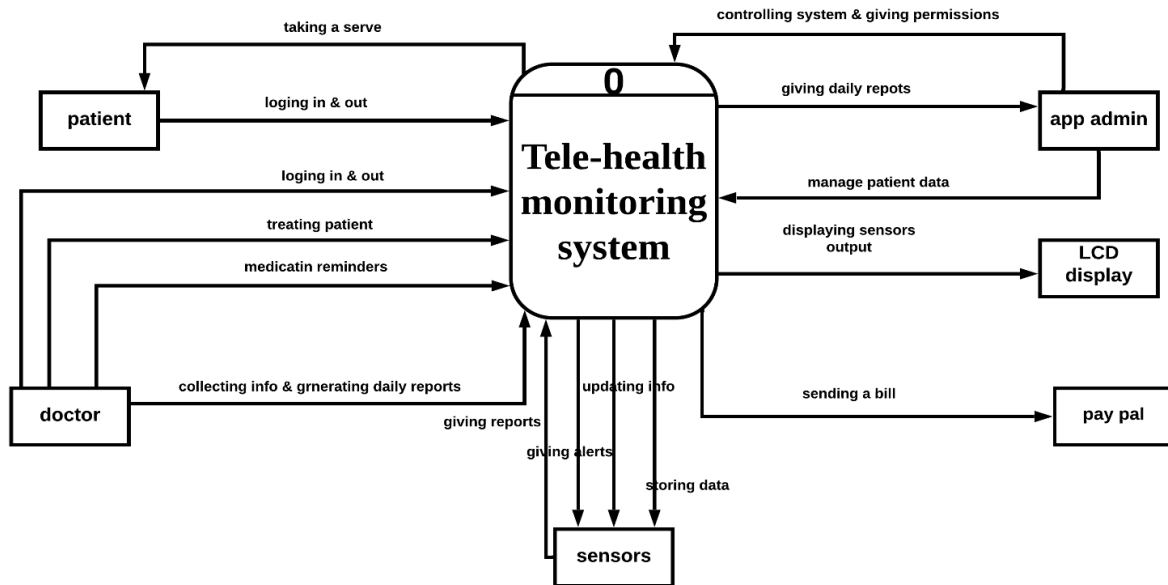
Section (Data Representation)

System Flow Diagram



Context Diagram

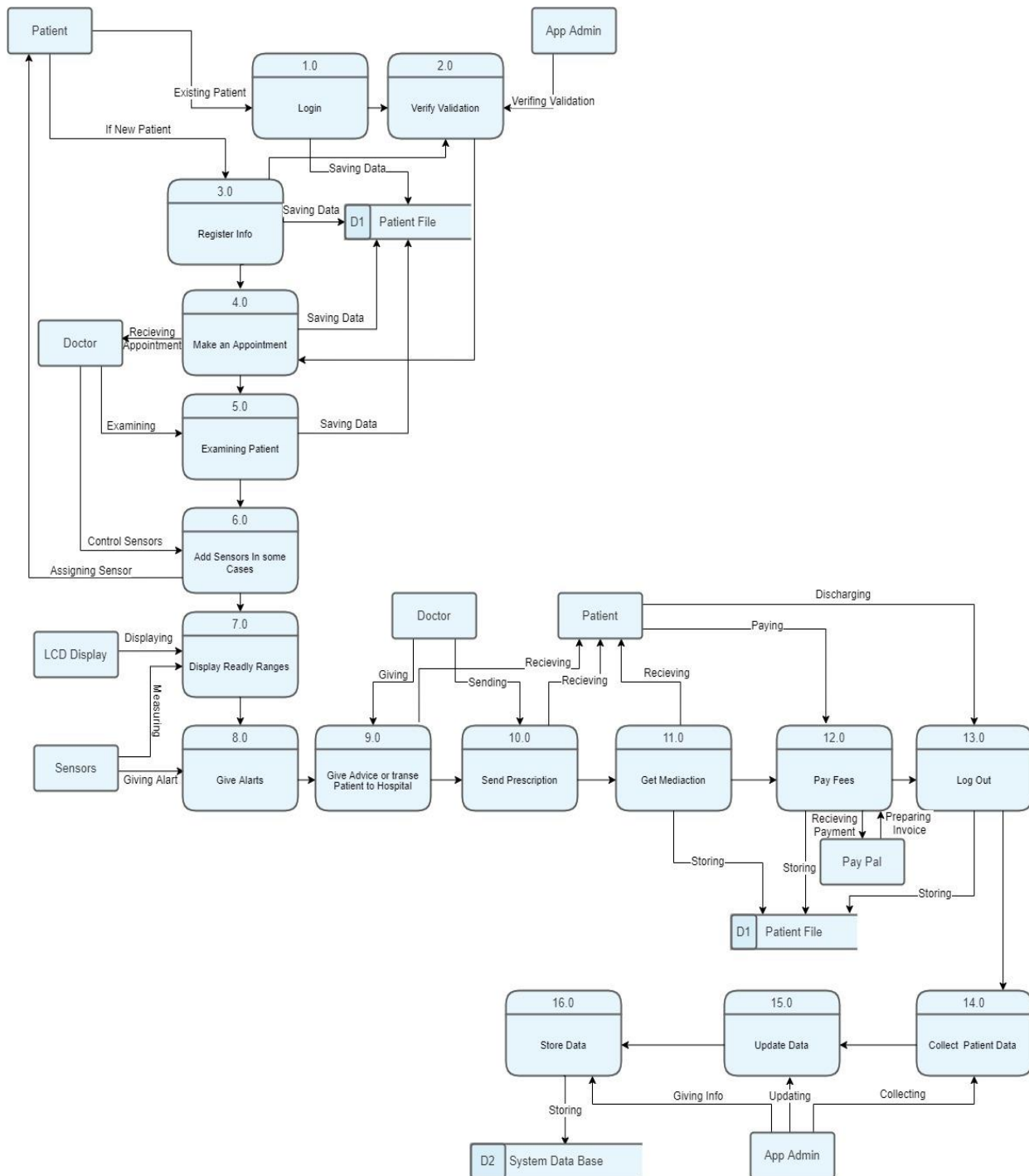
context diagram



Explaining context diagram

Context diagram Gives a broad overview of an information system and the way it interacts with external entities. The system in this diagram is tele-health monitoring system and the entities are(patient,doctor,app admin,sensors,lcd display and pay pal).

DFD level 0



Decision Table

(decision table for accessing the system)

	Rules			
Conditions	1	2	3	4
C1. Type of visit	N	E	N	E
C2. Patient case	S	U	U	S
Actions	1	2	3	4
A1. Assign new id	X		X	
A2. Access his profile		X		X
A3. Need to go to hospital	X			X
A4. Treat at home		X	X	

(N for New & E for Exist) (S for Serious & U for Un- Serious)

(decision table for Monitoring system)

	Rules															
Conditions	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
C1. Blood Glucose monitoring	U	U	U	U	U	U	U	U	N	N	N	N	N	N	N	N
C2. Respiratory monitoring sensor	U	U	U	U	N	N	N	N	U	U	U	U	N	N	N	N
C3. Blood pressure sensor	U	U	N	N	U	U	N	N	U	U	N	N	U	U	N	N
C4. Temperature monitoring sensor	U	N	U	N	U	N	U	N	U	N	U	N	U	N	U	N
Actions	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
A1. Trance patient to hospital (emergency)	X	X	X	X	X	X	X		X	X	X		X			
A2. Open a live session immediate	X	X	X		X			X	X			X		X	X	X
A3. Give him advice like taking a drug	X							X				X		X	X	X

	Rules									
Conditions	1	2	3	4	5	6	7	8	9	10
C1. Blood Glucose monitoring	U	----	U	U	U	N	----	N	N	N
C2. Respiratory monitoring sensor	U	U	----	----	N	U	N	----	----	N
C3. Blood pressure sensor	U	U	----	----	N	U	N	----	----	N
C4. Temperature monitoring sensor	U	----	U	N	U	N	----	U	N	N
Actions	1	2	3	4	5	6	7	8	9	10
A1. Trance patient to hospital (emergency)	X	X	X	X	X	X		X	X	
A2. Open a live session immediate	X	X	X				X			X
A3. Give him advice like taking a drug	X						X			X

(U for Urgent& N for Non- Urgent)

ERD diagram

