Project Design Phase-II
Data Flow Diagram & User Stories

| Date	03 October 2022
Team ID	PNT2022TMID09639
Project Name	**IOT based Safety Gadget for Child Safety Monitoring and Notification**
Maximum Marks	4 Marks

Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

Example:
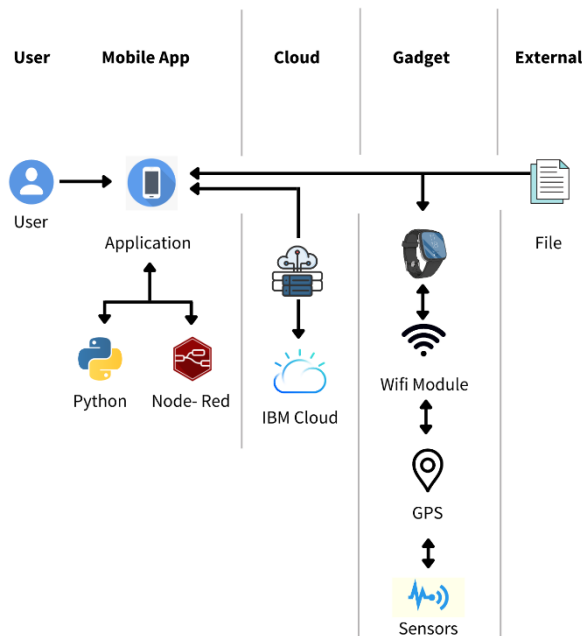
- User can create an account using their mobile number and email ID.
- Storing default information about the Child i.e., location, temperature, Heart Rate in Cloud
- User can create a Geo fence for respective location of the Child
- Integrate the application with Cloud & Gadget
- Notify in case of emergency
- Enriched data is visualized in the UI .

Example: DFD Level 0 (Industry Standard)
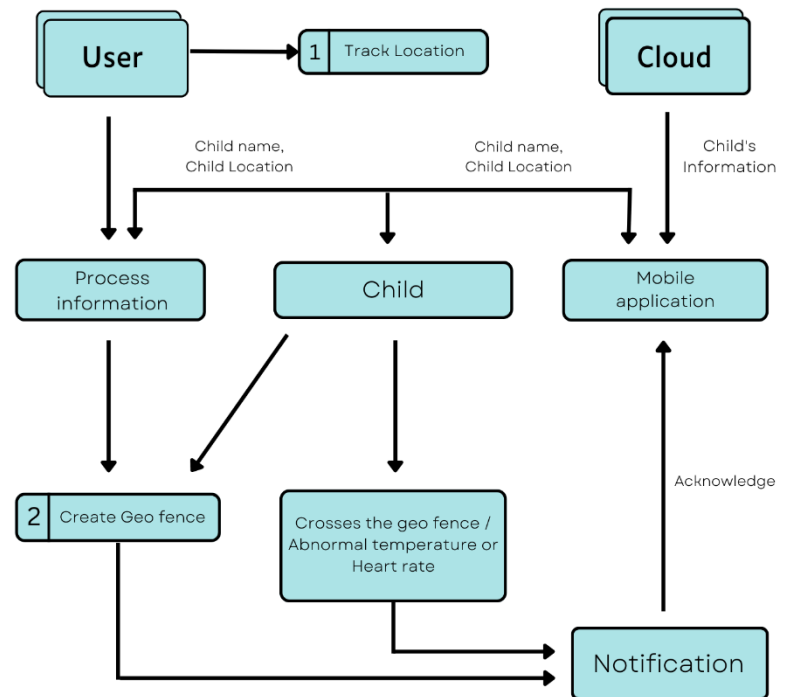
User Stories

Use the below template to list all the user stories for the product.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Mobile user)	Registration	USN-1	As a user, I can register for the application by entering my mobile, password, email and confirming my password.	I can access my account / dashboard	High	Sprint-1
		USN-2	As a user, I will receive confirmation message once I have registered for the application	I can receive confirmation message & click confirm	High	Sprint-1
		USN-3	As a user, I can register for the application through mobile number and Email		Medium	Sprint-1
	Login	USN-4	As a user, I can log into the application by entering mobile number & password		High	Sprint-1
	Dashboard	USN -5	Can monitor up to 5 children			Sprint -2
		USN -6	For each child, the Parent can monitor his/her child's Temperature, Heart rate, Location	Notify during emergency situations	Medium	Sprint -2
		USN -7	They can create Geo Fence and alter accordingly with their respective location		High	Sprint -4
		USN -8	ON/OFF notification	Notification is sent 1 minute once till the Parent acknowledges	Medium	Sprint -3
		USN -9	Bookmark their geo fence for further use		Low	Sprint -3
		USN - 10	Adding alternate mobile number	Verify alternate mobile number	Medium	Sprint -2
Gadget	Integrating with application	USN - 11	Integrating gadget with mobile application using WIFI module	Verify connection with device	High	Sprint -3
		USN -12	User friendly mobile application		Low	Sprint -1
		USN -13	Proper network Connection	Ensure proper network	High	Sprint -1
	Features	USN -14	Calling features		Medium	Sprint -4
		USN -15	Accurate sensors for Temperature, Heart rate		Medium	Sprint -3
		USN 16	Water/sweat resistant, High battery power		Low	Sprint -3