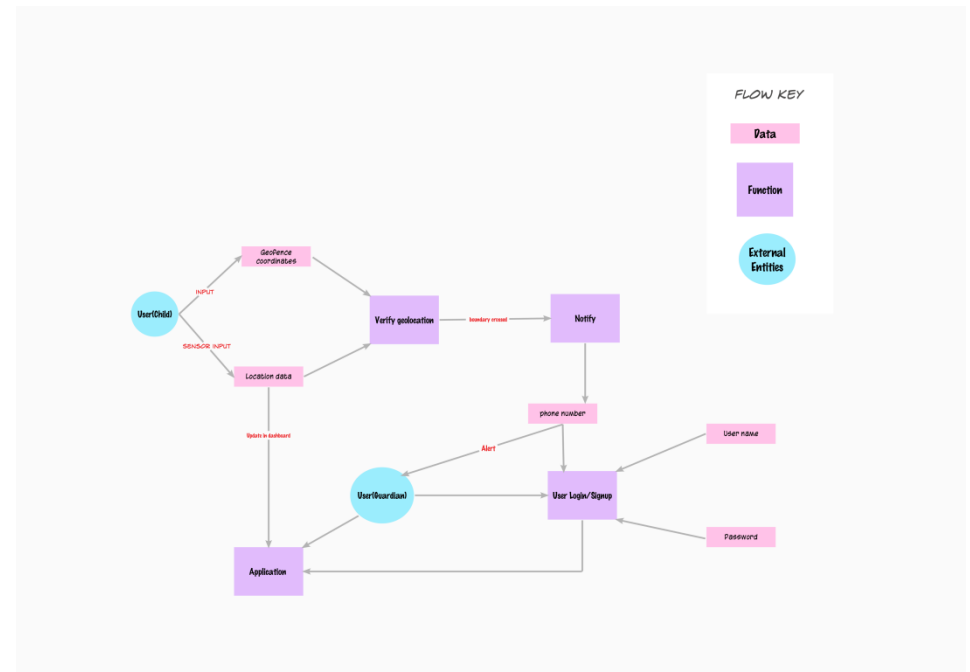
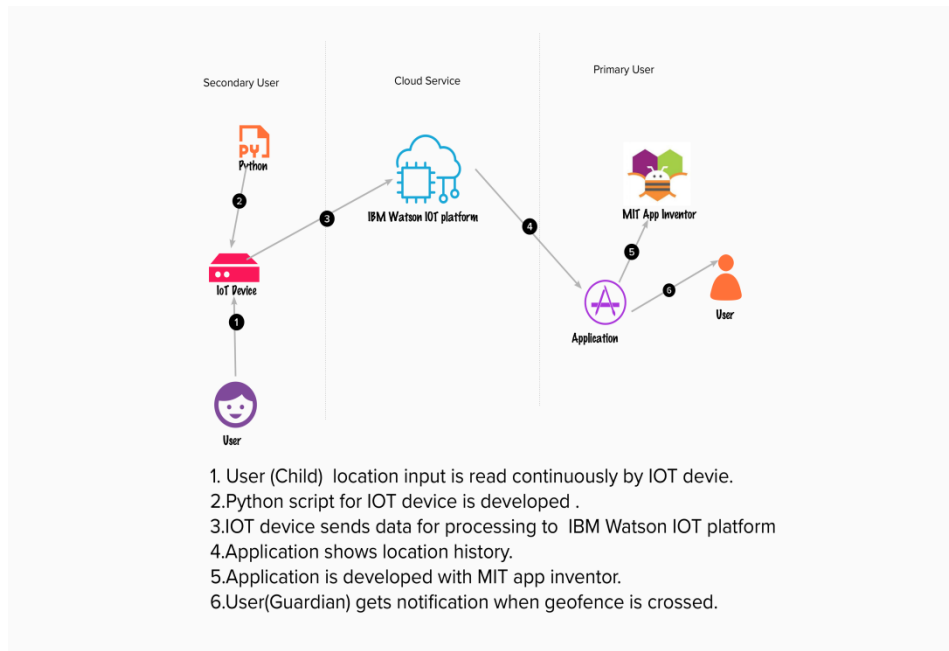


Project Design Phase-II Data Flow Diagram & User Stories

Date	18 October 2022
Team ID	PNT2022TMID38406
Project Name	Project – 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: [\(Simplified\)](#)

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
Guardian(Mobile user)	User signup/login	USN-1	As a user, I can sign up for the application by entering my phone number ,user name, password, and confirming my password.	I can access my account / dashboard	High	Sprint-1
	User confirmation	USN-2	As a user, I can login with my username and password once signed up	I can log in by entering only valid user name and password	High	Sprint-1
		USN-3	As a user, I will receive confirmation email once I have signed up for the application	I can receive confirmation email & click confirm	Medium	Sprint-1
		USN-4	As a user, I will receive confirmation OTP once I have signed up for the application	I can receive confirmation message(OTP) for verification	High	Sprint-1
Developer	Interfacing	USN-5	I need to connect all involved scripts, database and devices	I integrate the whole system and make it work	High	Sprint-4
	Setting geo fence	USN-6	I specify the geo location coordinates for geo fence based on user given input	Geo location input must be valid	High	Sprint-2
	User notification	USN-7	I develop a module to notify user via app in case of possible emergency	User receives the notification via app	High	Sprint-4
		USN-8	I develop a module to notify user via mobile number in case of possible emergency	User receives notification to mobile number.	High	Sprint-4
	Tracking location	USN-9	I input live location from sensor	I get location updated every 5 minutes	High	Sprint-2

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
		USN-10	I develop a module to make current location viewable from dashboard	User can check the live location of child whenever needed	Medium	Sprint-3
	User location check	USN-11	I check for out of boundary location against established geo-fence by fetching live location from cloud database	Child should see red light and hear a buzzer sound continuously from device in case of danger until it returns inside geo fence.	High	Sprint-3
Administrator	Database	USN-12	I create a database	The database has fields and records in it	High	Sprint-2
		USN-13	I maintain a database	I update records in database	High	Sprint-4