Project Design Phase-II

Data Flow Diagram & User Stories

Date	18 October 2022
Team ID	PNT2022TMID50050
Project Name	IOT Based Safety Gadget for Child Safety Monitoring & Notification
Maximum Marks	4 Marks

Collect the data of child's location from the GPS

If child cross the geofence

No → Keep monitoring the child location

If child press the emergency button

yes

Send the notification to child parents or their caretaker with live location of the child

Store the entire location of the child
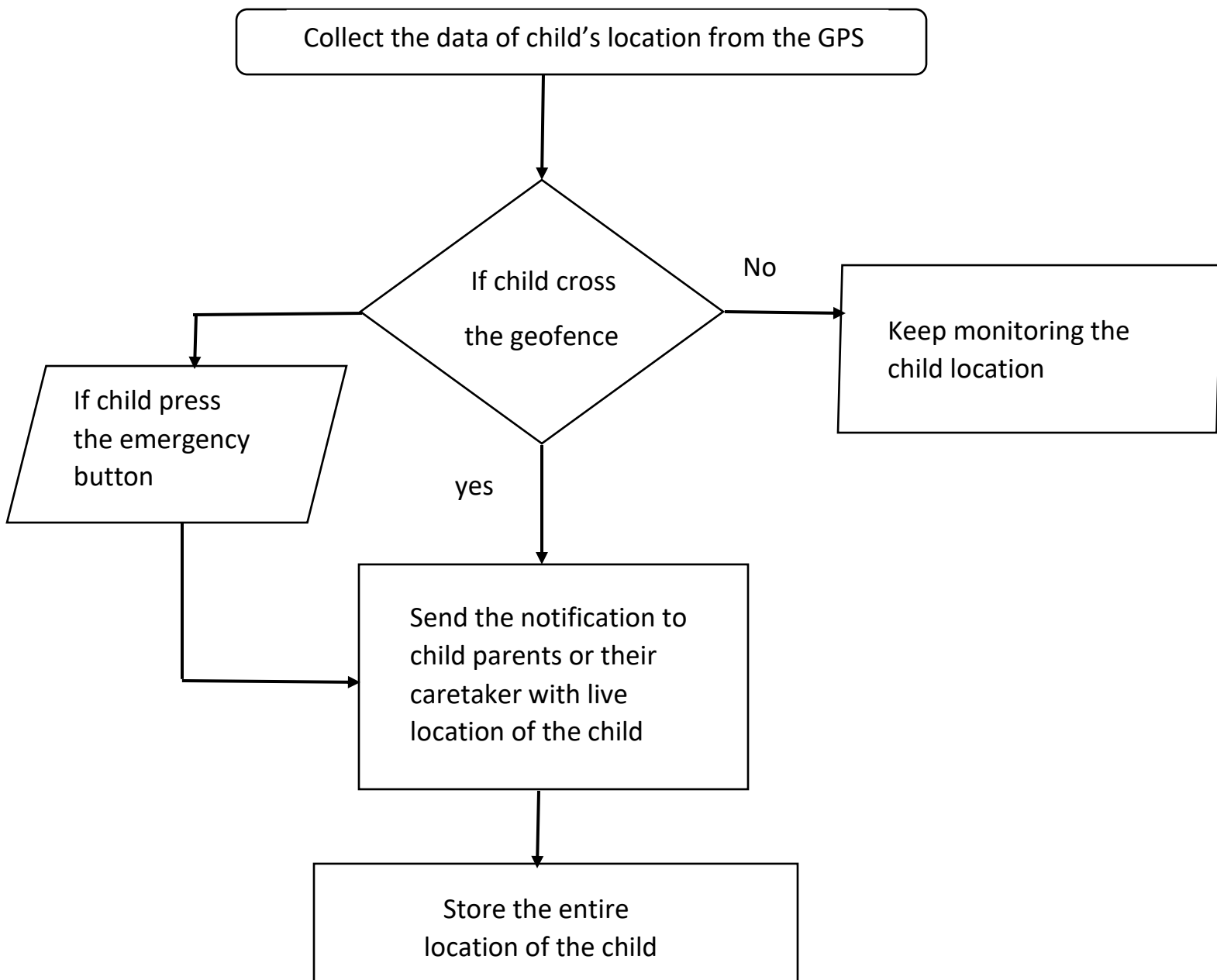
User Type	Functional Requirement (Epic)	User Story Number	User Story/Task	Acceptance criteria	Priority	Release
Customer	Controller	USN-1	User can operate the gadget via their mobile.	The equipment should be able to operated automatically by standalone once it was set.	High	Sprint-1
Customer	Controller	USN-2	User can connect their system or mobile to the gadget in easy way and set the geofence.	It can be connected easily.	High	Sprint-2
Customer	Controller	USN-3	Gadget started to operate. Now it will continuously monitor the child location.	Gadget will store the all the locations of the child.	Low	Sprint-3
Customer		USN-4	If the child go away from the geofence notification must be sent to the parents of the child.	Gadget will automatically send the notification.	High	Sprint-4