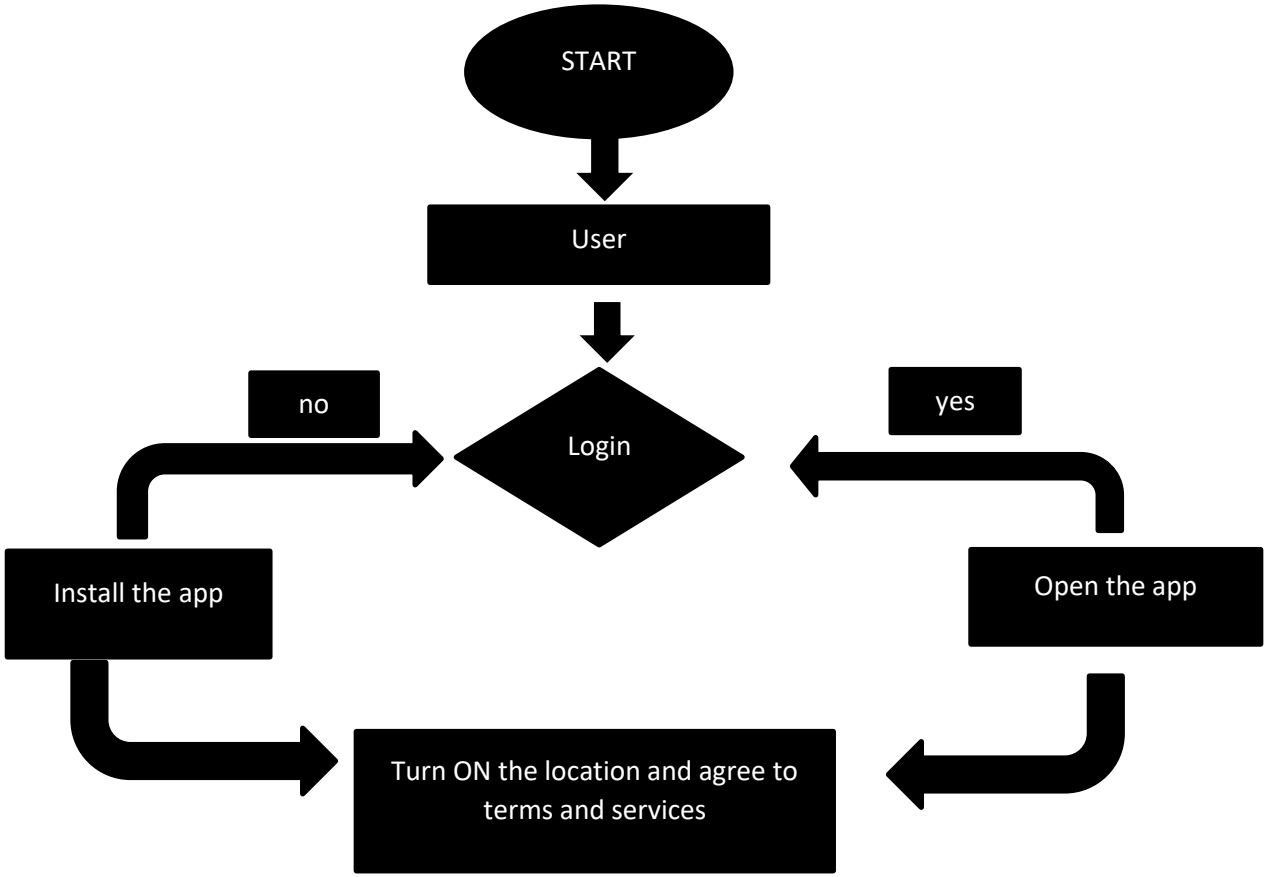
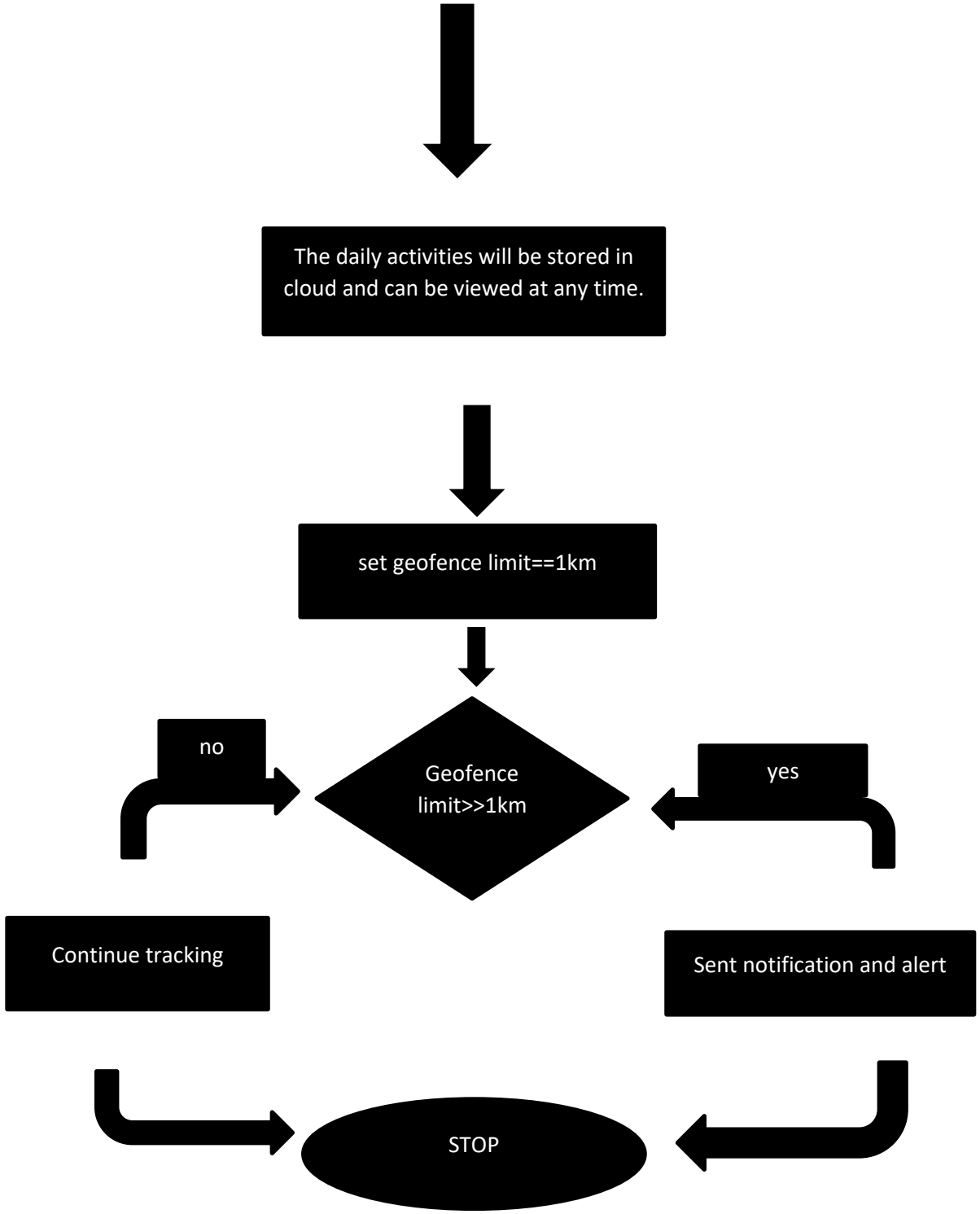
Project Design Phase-II
Data Flow Diagram & User Stories

Date	03 October 2022
Team ID	PNT2022TMID34911
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.




The daily activities will be stored in cloud and can be viewed at any time.
set geofence limit==1km
Geofence limit>>1km
no
yes
Continue tracking
Sent notification and alert
STOP

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 (Parents)	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	I can access my account / dashboard	High	Sprint-1
		USN-2	As a user, I can register for the application through Gmail	I can register and access through g-mail	High	Sprint-1
	IBM cloud	USN-3	As a user, I can access the location history anytime in cloud. It stores every daily activities of the child.	I can view the previous location details stored in cloud whenever I want to see.	High	Sprint-2
	Tracking	USN-4	As a user, I can edit the geofence limit	I can set the geographical range, if the child crosses the geofence limit notification will be sent to the parents.	Medium	Sprint-2
		USN-5	As a user I receive notifications through alarm or message when the child crosses the safety limit.	I can take immediate action to safeguard the child before he/she faces any trouble.	High	Sprint-1
		USN-6	As a user I can track and monitor the exact location of the child using google map services.	I can know the exact location of the child.	Medium	Sprint-1
		USN-7	As a user, I can also add other persons to track the location of the child	I can also give access to others	Low	Sprint-2
		USN-8	As a user, I can turn on the location services to start tracking	I can track by accessing location.	High	Sprint-2
		USN-9	As a user, I can access and monitor each and every movement of the child by installing the application which was written using python script.	The child can be protected from any sort of danger.	medium	Sprint-2