

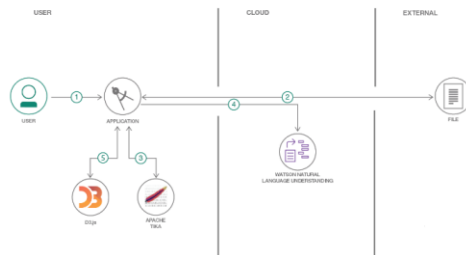
Project Design Phase-II Data Flow Diagram & User Stories

Date	14 October 2022
Team ID	PNT2022TMID48061
Project Name	Project - IoT Based Safety Gadget for Child Safety Monitoring and Notification
Maximum Marks	4 Marks

Data Flow Diagrams:

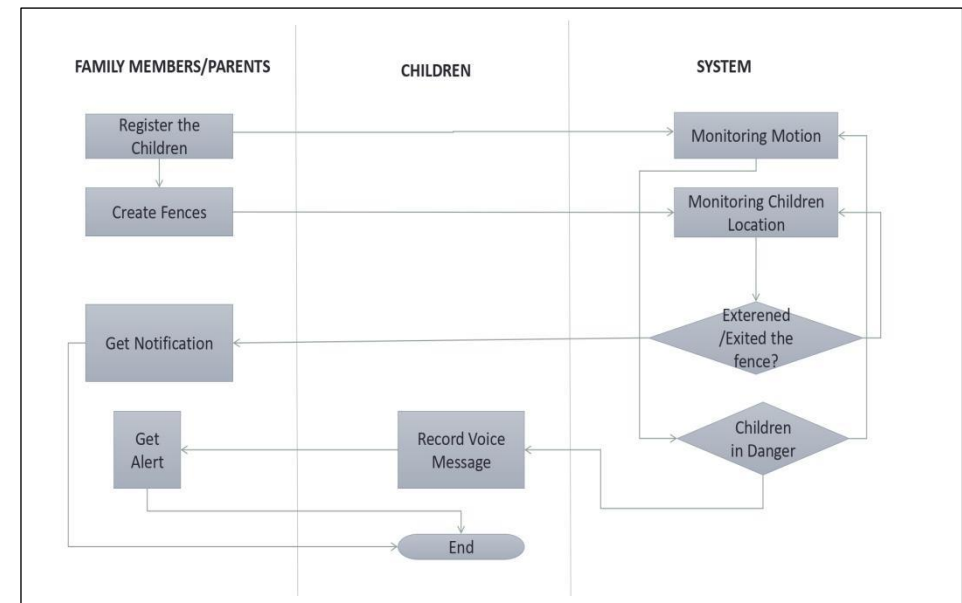
A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

Flow



1. User configures credentials for the Watson Natural Language Understanding service and starts the app.
2. User selects data file to process and load.
3. Apache Tika extracts text from the data file.
4. Extracted text is passed to Watson NLU for enrichment.
5. Enriched data is visualized in the UI using the D3.js library.

DFD (working)



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 device in the parents 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 will receive confirmation email once I have registered for the device in parent's application	I can receive confirmation email & click confirm	High	Sprint-1
		USN-3	As a user, I can register for the device in parent's application through Facebook	I can register & access the dashboard with Facebook Login	Low	Sprint-2
		USN-4	As a user, I can register for the device in the application through mobile number	I can register for child's device with my mobile number, then alert message will receive by SMS	Medium	Sprint-1
	Login	USN-5	As a user, I can log into the device by entering email & password in parent's application	Mail address & password are used as default authorization	High	Sprint-1
Customer (Web user)	Notification	USN-6	As a user, When there is a abnormal situation with the child notification will be received on web application	Alert message will be received if user is active in that web site	High	Sprint-1
Customer Care Executive	Network Connectivity	USN-7	When child go out of fence and enter into out of coverage area	GPS tracker will track the child and send notification	Low	Sprint-2
Administrator	Accessing	USN-8	When there is issues in accessing both the device(connection of both parent's & child's device)	Admin/Device Operator's advice should be undertaken	Medium	Sprint-1