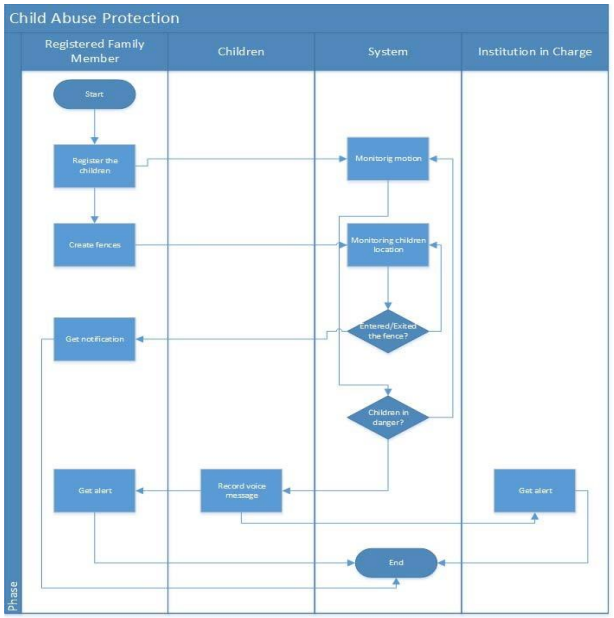
Project Design Phase-II
Data Flow Diagram & User Stories

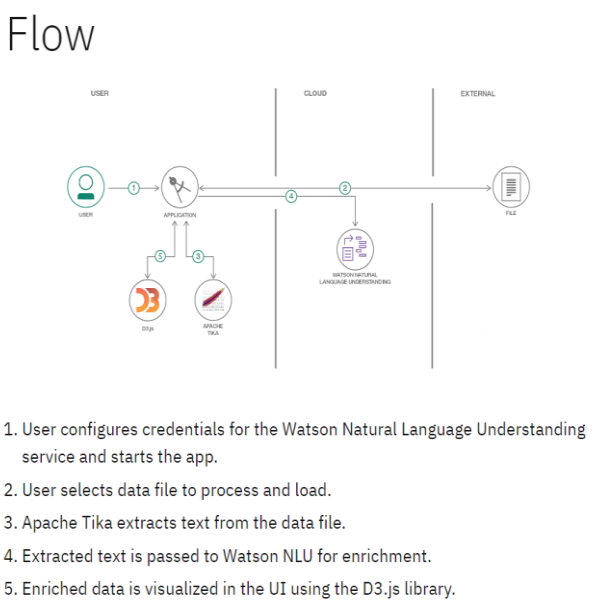
Date	03 October 2022
Team ID	PNT2022TMID23100
Project Name	Project – IoT BASED SAFETY GADGET FOR CHILD SAFETY MONITORING AND NOTIFICATION
Maximum Marks	4 Marks

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)





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.

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 (people)	Monitor the child safety	USN-1	As a user, I can monitor the child safety	I can maintain the security for working parents	High	Sprint-1
	Analysing Problems	USN-2	As a user, I collect the required information about the problems on child safety	I can ask the government directly.	Low	Sprint-2
		USN-3	As a user, I can monitor the temperature, location and solve the problems by using Smart IOT System	I can take remedial action immediately	High	Sprint-1
Project Designers	Identifying the problem and provide solutions	USN-4	As a user, I can sense the child safety device using sensor and monitor using IOT	I can perform these actions via IoT.	Medium	Sprint-1
		USN-5	As a user, I can test the buzzer or alarm	I can solve this problem using IOT	High	Sprint-1
			As a user, I can monitor the data is stored or not	I can monitor the child's action continuously.	Medium	Sprint-2
Customer (people)	Problem solutions	USN-6	As a user, areas can be monitored from a remote place	Checking Process	Medium	Sprint-3
	Application	USN-7	As a user, I can respond to the problems immediately	Continuous monitoring and remedial actions.	Medium	Sprint-3
	Final Process	USN-8	This IOT based safety gadget for child safety monitoring and notification is found to be cost-effective and efficient	I can take necessary action if required.	Medium	Sprint-4