Project Design Phase-II
Data Flow Diagram & User Stories

Date	13 October 2022
Team ID	PNT2022TMID51903
Project Name	Industry-specific intelligent fire management system
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.
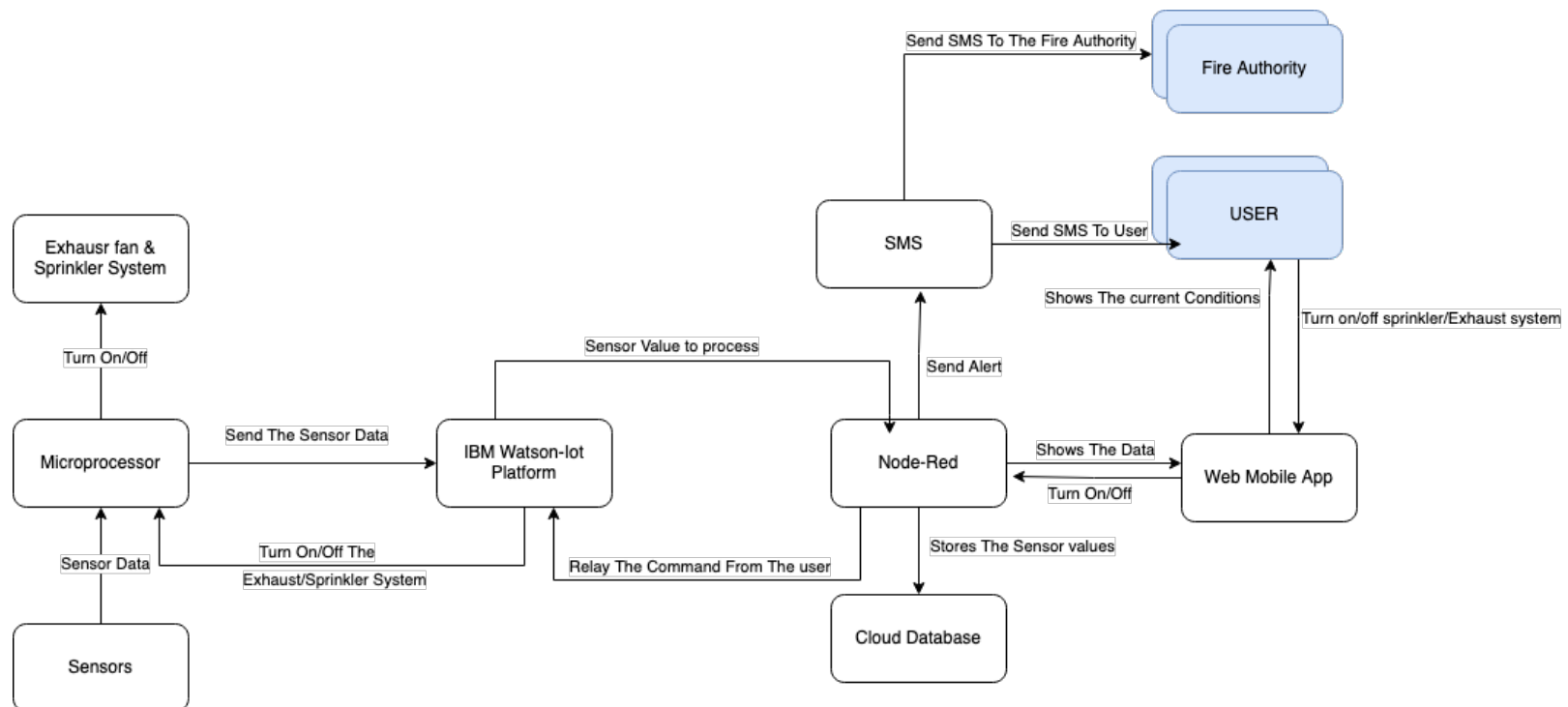
User Stories

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 (Web user)	Monitor The Environment	USN-1	User can monitor the sensor data receiving from the microprocessor	User Can See the dashboard with sensor information	Medium	Sprint 4
	Turn on or off the sprinkler and exhaust fan.	USN-2	User can turn on / off exhaust fan and sprinkler if need in that circumstance	Can turn on / off the sprinkler and exhaust fan	Medium	Sprint 4
	Authentication	USN-2	User needed to be authenticated while turning on/off the exhaust and sprinkler system	Authenticate the user for USN-2 Fuctionality	Medium	Sprint 4
Sensing	Sensing The Environment	-USN 3	Need to Sense the environment using the sensors attached to the microprocessor	Getting Data from the sensors	High	Sprint 1
Extinguish	Actuators	USN 4	If the sensors sense the fire then the immediate next step is to turn on the exhaust fan and the sprinkler system	Extinguishing the fire	High	Sprint 1
Data	Sending data to ibm Watson Hot platform	USN 5	All the sensor Data received from the microprocessor are send to the IBM Watson Lot platform	Showing in the Watson Dashboard	Medium	Sprint 2
	Node-red	USN 6	Sending the data to further process in the cloud for storing and alert purpose		High	Sprint 3
	Data Storing	USN 7	All the sensor values are stored in an cloud database	Storing the data	Low	Sprint 3
Notification	Event notification	USN 8	FIre alertMessage will send to fire department	Notifying the authorities	High	Sprint 4