Project Design Phase-II
Data Flow Diagram & User Stories

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Team ID	PNT2022TMID05968
Project Name	Project – Smart Farmer-IOT enabled smart farming application

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.

Rain sensor

Temperature and humidity sensor

Soil moisture sensor

Water pumps

Temperature and humidity values

Moisture value

Arduino

Update about rain

Sends control commands

Sends values to cloud

User

Data acquisition using API

IBM Watson platform

User Interactions

Application

Data acquisition using API

Node red
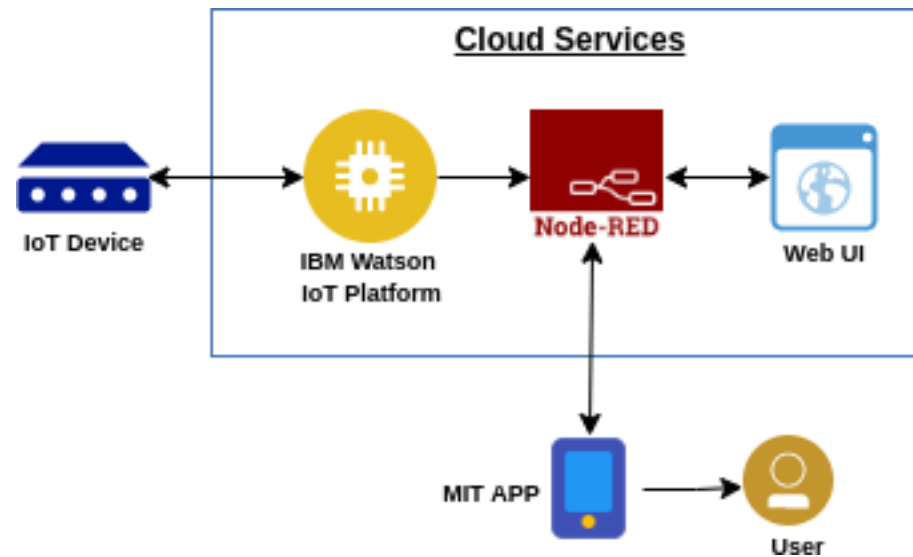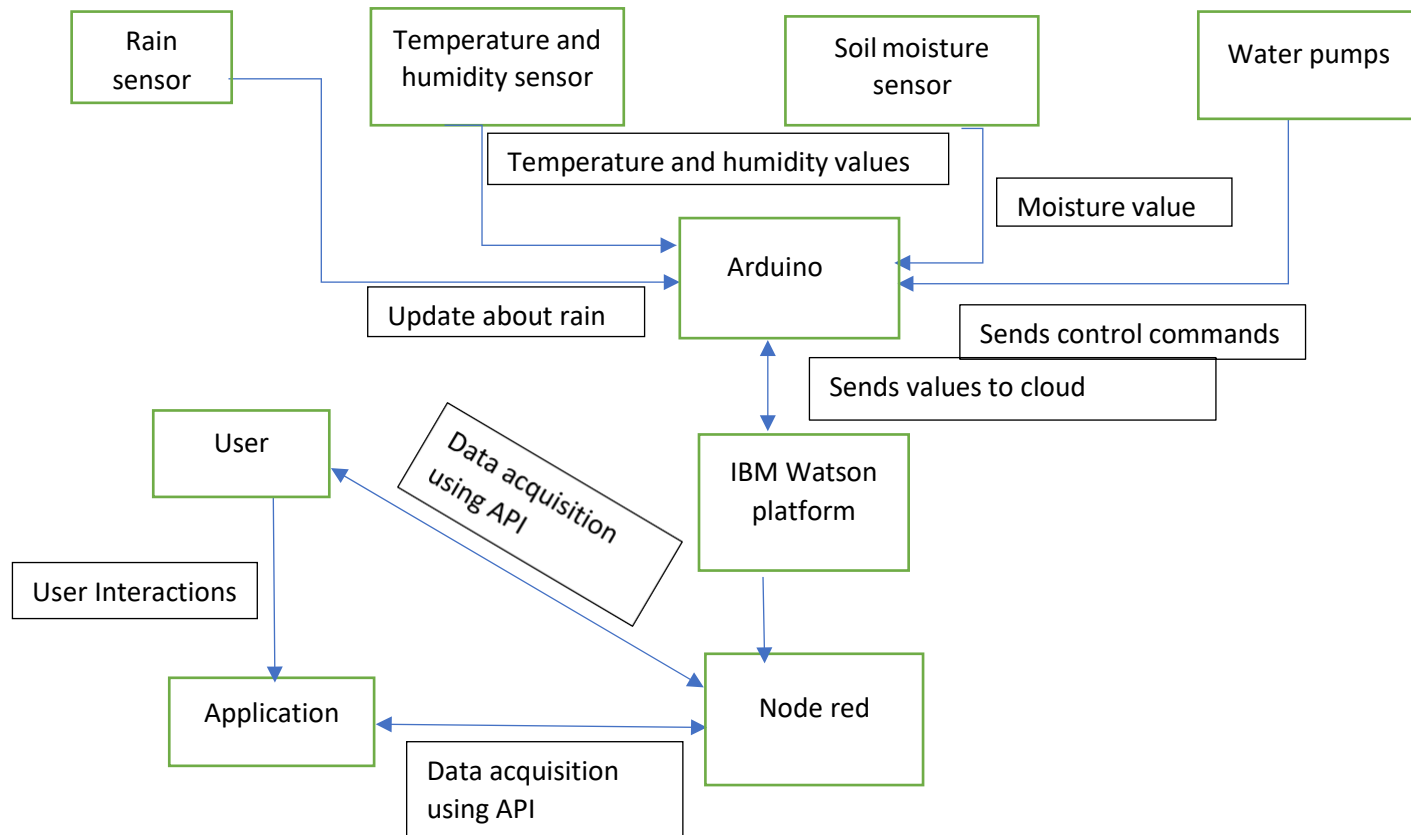
User Stories

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 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 application	I can receive confirmation email & click confirm	High	Sprint-1
	Login	USN-3	As a user, I can login for the application by entering email and password		High	Sprint-1
	Dashboard	USN-4	As a user, I can have access to all the sensor data on my dashboard		Low	Sprint-2
	Control	USN-5	As a user, I can control the agricultural devices connected over internet	I can control using user	Low	Sprint-2
Customer (Web user)	App - control	USN-6	As a user, I can control the agricultural devices connected over internet	I can control using user buttons	Medium	Sprint-2
	App - monitor	USN-7	As a user, I can have access to all the sensor data on my app - dashboard		Medium	Sprint-2
Administrator	Setting defaults	USN-8	As a administrator, I can set default conditions to trigger an event		High	Sprint-1