

Project Design Phase – II

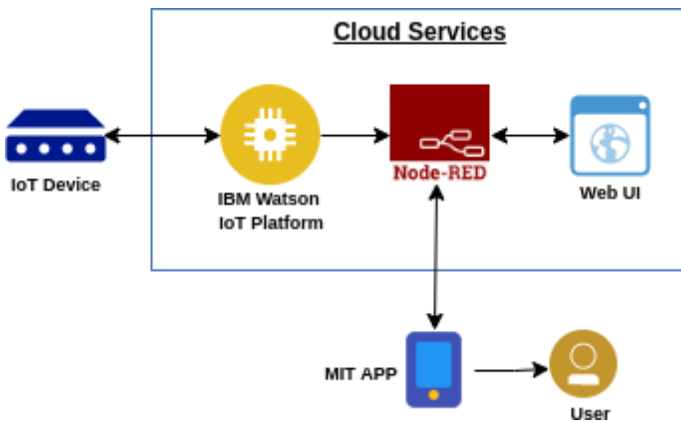
Data Flow Diagram & User Stories

Date	24 October 2022
Team ID	PNT2022TMID18473
Project Name	Smart Farmer – IOT enabled Smart Farming Application
Maximum Marks	4 Marks

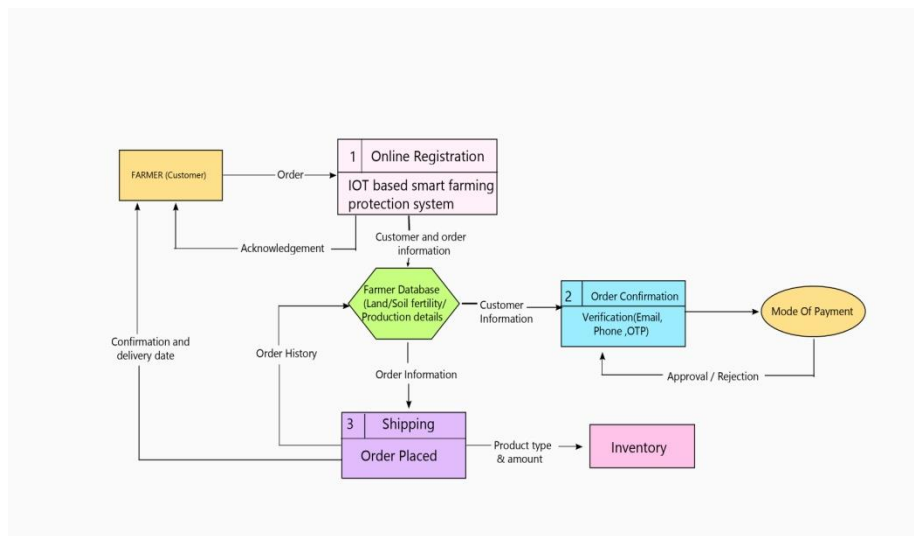
Data Flow Diagrams:

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

Example: Simplified



Detailed DFD Level 0(Industry Standard)



User Stories

User Type	Functional Requirement	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, and password	I can access my dashboard or account	High	Sprint 1
		USN-2	As a user, I will receive confirmation email once I have registered for application	I can receive confirmation mail and click confirm	Medium	Sprint 1
		USN-3	As a user I can register for the application through Gmail		Medium	Sprint 1
	Login	USN-4	As a user I can log into the application by entering email & password		High	Sprint 1
		USN-5	As a user I can reset the password, if I forget the password		High	Sprint 1
	Dashboard	USN 6	As a user I want to see everything in single widget		Medium	Sprint 2
		USN 7	As a user I want a graphical representation		Low	Sprint 2
Customer(Web User)	Dashboard	USN-8	As a user I want a graphical representation of data for better understanding		High	Sprint 2
		USN-9	As a user I want to see a dashboard where I can customize myself		Low	Sprint 2
Customer(Mobile and Web)	IoT Device Setup	USN 10	As a user I need multiple sensors for better output		High	Sprint 2

		USN-11	As a user I need a low cost IoT devices for farming		High	Sprint 2
Customer Care Executive	User Problems	USN-12	As a user I should know how to use the application	There will be manual guide	Medium	Sprint 3
		USN-13	As a user I need my application to work on mobiles		High	Sprint 3
		USN-14	As a user if I am facing any issue in the application	There will be a query form	High	Sprint 3
Administrator	Query Clarification	USN-15	As a admin I give solutions to their queries		High	Sprint 3
	Particular Access	USN-18	As a admin I have to give access only to authorized persons		High	Sprint 3
Customer(Mobile User)	Application	USN-19	As a user I have to control my devices	Commands for devices	High	Sprint 4
			As a user I need more information about plants in application		Medium	Sprint 4