Project Design Phase-II
Data Flow Diagram &User Stories

Date	13 October 2022
Team ID	PNT2022TMID20274
Project Name	Project-IOT based smart crop protection system for agriculture
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.
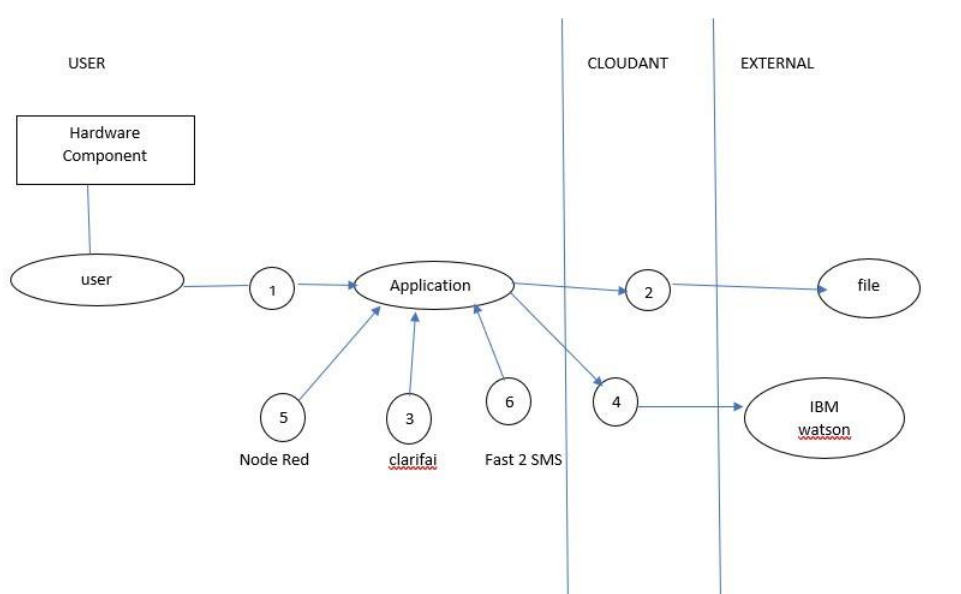
Example: DFD Level 0 (Industry Standard)
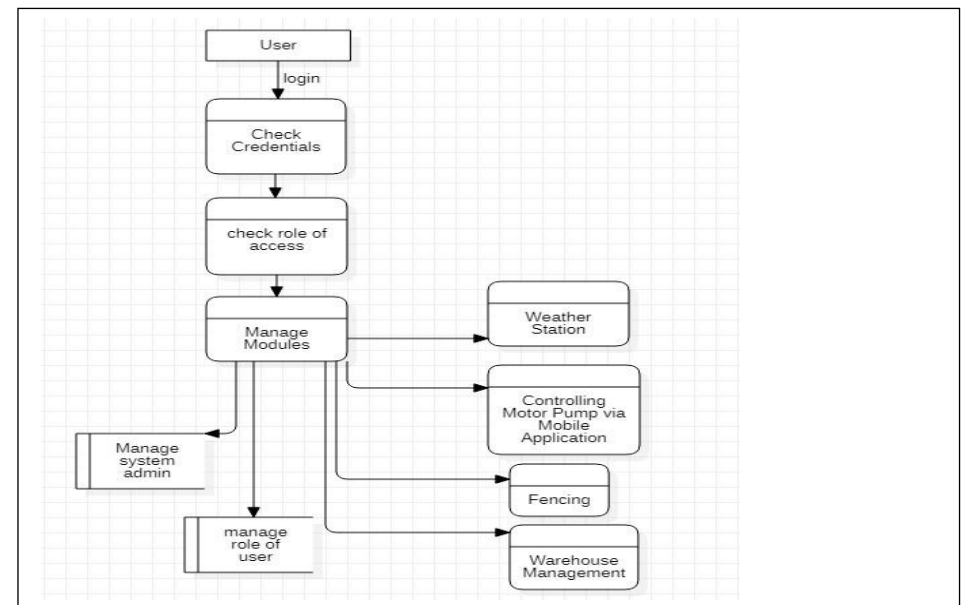
User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer	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
Customer	Registration	USN-2	As a user, I will receive confirmation message once I have registered for the application.	I can receive confirmation message & click confirm.	High	Sprint-1
Administrator	Login page	USN-3	As a user entering the username and password which is already existing.	Redirecting to user account.	Medium	Sprint-1
Weather station	Forecasting the current weather	USN-4	As a user, we can monitor the weather fundamentals like (humidity, wind speed, wind direction and rainfall).	Notified about weather conditions.	High	Sprint-1
Controlling the Motor Pump	Controlling	USN-5	It is used to control motors and field sprinklers.	using a mobile application to manually turn on and off the motor pump	High	Sprint-2
Fencing	Detecting the motion in certain range	USN-6	Security against uninvited human and animal entry is helped by fence systems.	I can get alerts; precautions have been made..	High	Sprint-3
Warehouse management	Collecting database of crops	USN-7	Here, the farmer must change the expiration dates for the seeds and fertiliser.	Create a pop-up message with the expiration date, stocks, and offers.	High	Sprint-4