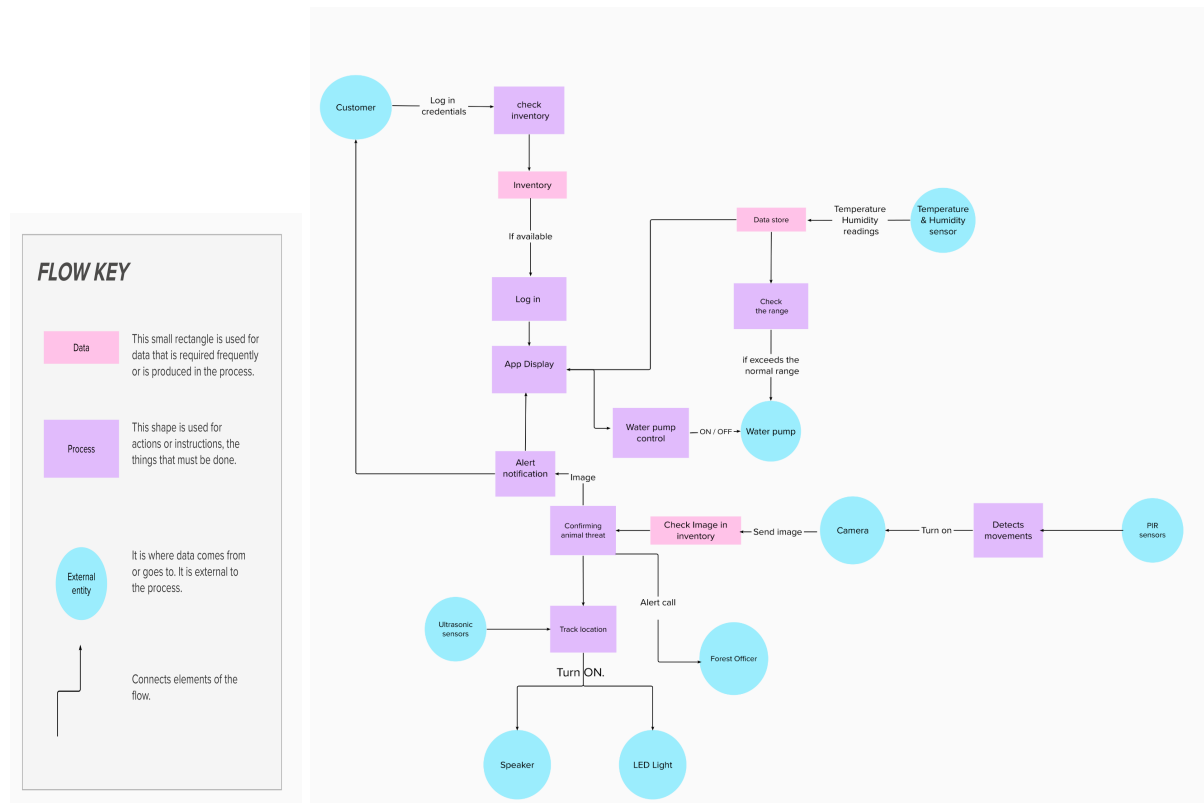


Project Design Phase-II

Data Flow Diagram & User Stories

Date	16 October 2022
Team ID	PNT2022TMID38540
Project Name	IOT BASED SMART CROP PROTECTION SYSTEM
Maximum Marks	4 Marks

Data Flow Diagrams:



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
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
		USN-2	As a user, I will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm
		USN-3	As a user, I can register for the application through Gmail	
	Login	USN-4	As a user, I can log into the application by entering email & password	I can access my account / dashboard
	Dashboard	USN-5	As a user, I can view all activities in the farm from dashboard	I can monitor the farm
	Weather Condition	USN-5	As a user, I can view the temperature and humidity level through Application	I can analyze the Temperature and humidity level in the Farm
		USN-6	As a user I can receive the Weather Condition Alerts in farm through Application	I can access Weather Condition in that particular area
	Soil moisture condition	USN-7	As a user, I can view moisture levels in Soil through an application.	I can analyze the soil moisture level in that field
	Crop Irrigation	USN-8	As a user, I can remotely control the water pump through the mobile app	I can turn ON/OFF and control the water pump
		USN-9	As a user, I can automatically irrigate my farm using the soil moisture sensors	My farm can be automatically irrigated

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria
	Alert Notification	USN-10	As a user, I can receive alert notification through the app when an animal which is a threat to the farm is entering into the farm	I can receive the notification from the app
		USN-11	As a user, I can receive alert email when an animal which is a threat is entering into the farm	I can receive an alert through email
	Drive away animals	USN-12	Turning ON the speaker at a specific location where the animal is intruding	Speakers can be turned ON automatically
		USN-13	Turning ON the LED incase of animal intrusion during night time	LED can be turned ON automatically
	Power supply	USN-14	The Power is generated by the solar panel for running the motor.	Power is generated automatically from sunlight
	Detection of animals	USN-15	As a user, I can detect the animals through the movement	I can receive information through application
		USN-16	As a user, I can detect the animals through the sound	I can receive information through application
		USN-17	As a user, I can view the animals through the camera	I can receive information through application
Customer care executive	Receiving feedbacks	USN-18	As a user, I can receive the customer feedbacks through google forms	I can receive the feedbacks
		USN-19	As a user, I can receive the queries of the customer through the interactive chat platform	I can receive the notification when customer is posting a query
	Replying to the queries	USN-20	As a user, I can reply to the queries of the customer	I can send reply in the interactive chat platform