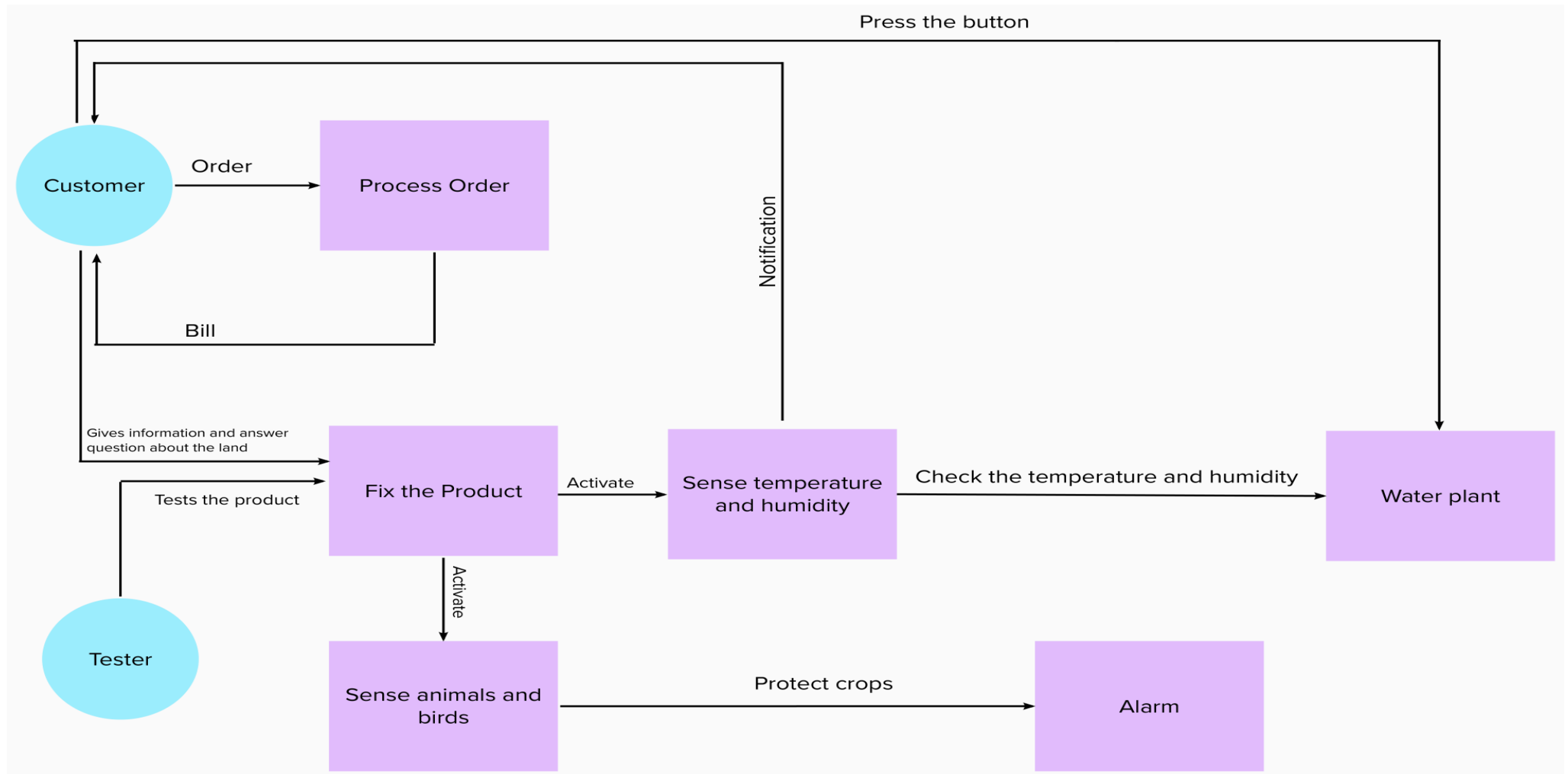


Project Design Phase-II Data Flow Diagram & User Stories

Date	15 October 2022
Team ID	PNT2022TMID47541
Project Name	IoT Based Smart Crop Protection System for Agriculture
Maximum Marks	4 Marks

Data Flow Diagrams:



User Stories:

User Type	Functional Requirements(Epic)	User Story Number	User Story/Task	Acceptance Criteria	Priority	Release
Customer	Watering plant	USN-1	As a user, I can water the plant by pressing the button in the application installed in the mobile	I can also control the watering of plants	Medium	Sprint-1
		USN-2	As a user, I automate the process of watering the plant	I need not do any work	High	Sprint-1
		USN-3	As a user, I can water the plant using rain water harvesting	I can save the ground water	High	Sprint-1
		USN-4	As a user, I can water the plants using the ground water if the water saved in the tank is empty	I can also use the ground water if needed to water the plant	Low	Sprint-2
	Notification	USN-5	As a user, I can register myself to get notification	I will get notification if something happens in the agricultural land	High	Sprint-1
	Land Enquiry	USN-6	As a user, I will give the size of the land	The application knows about the size of the land	High	Sprint-1
		USN-7	As a user, I will give the type of plant going to be planted	The application knows about the type of plant going to be planted	Medium	Sprint-1
		USN-8	As a user, I will give the surroundings information	The application knows Whether there is forest nearby	High	Sprint-1

	Monitoring Field	USN-9	As a user, I can monitor the weather condition	I won't water the plant manually while raining	High	Sprint-1
		USN-10	As a user, I can monitor the movement of animals and birds in the agricultural land	I can protect the land	High	Sprint-1
	Weather Prediction	USN-11	As a user, I can predict the weather condition	I can decide whether to water the plants or not	High	Sprint-1