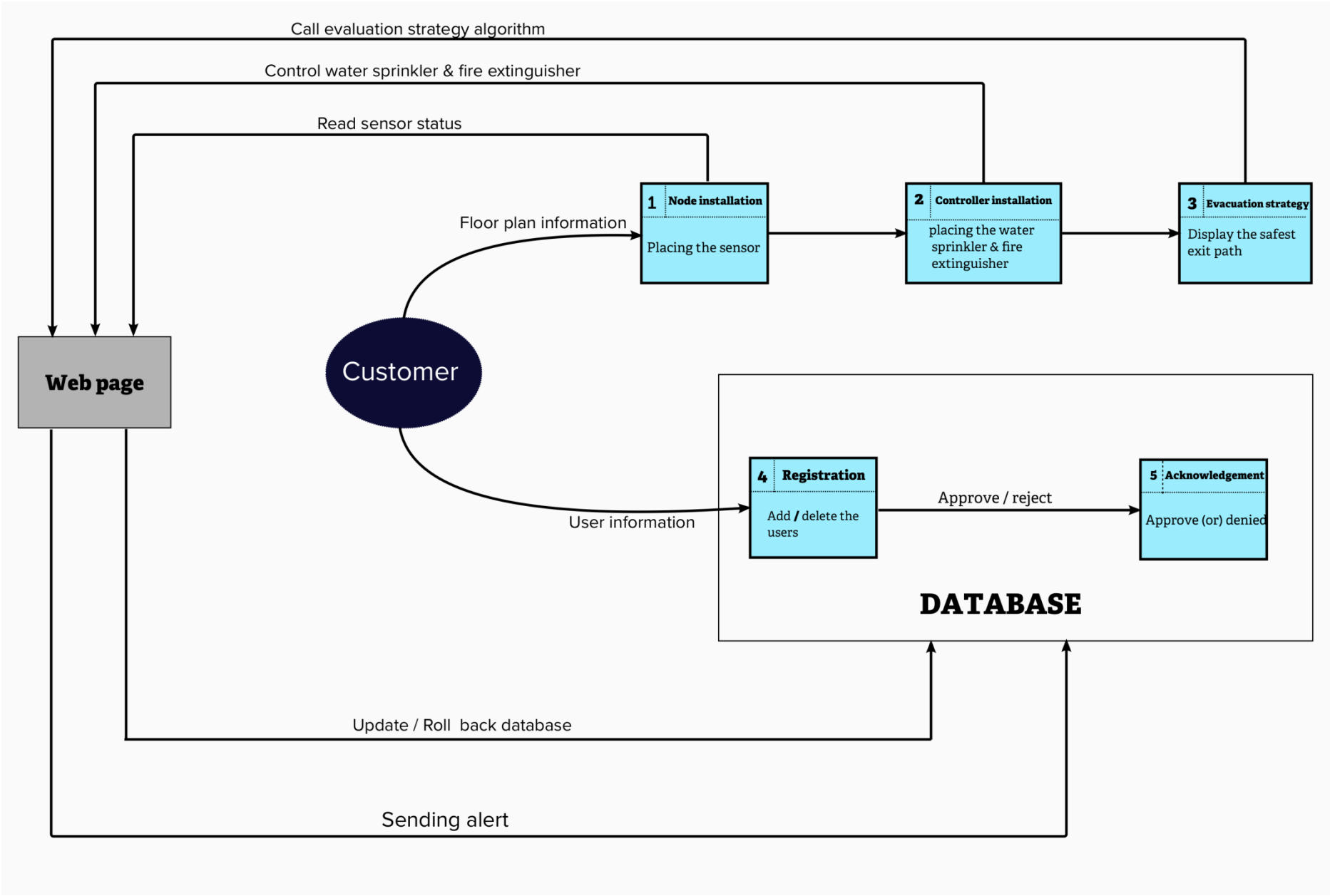
Project Design Phase-II
Data Flow Diagram &User Stories

Date	04 NOVEMBER 2022
Team ID	PNT2022TMID46346
Project Name	Industry – specific intelligent fire management system
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.


Call evaluation strategy algorithm
Control water sprinkler & fire extinguisher
Read sensor status
Floor plan information
1 Node installation
Placing the sensor
2 Controller installation
placing the water sprinkler & fire extinguisher
3 Evacuation strategy
Display the safest exit path
Web page
Customer
4 Registration
Add / delete the users
Approve / reject
5 Acknowledgement
Approve (or) denied
User information
DATABASE
Update / Roll back database
Sending alert

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)	Floor plan update	USN-1	Design the web application with installed sensor, water sprinkler as per floor plan.	I can access my account / dashboard	High	Sprint 1
	Registration	USN-2	As a user, I can register the application by entering email, password and confirm it	I can receive confirmation email & click confirm	High	Sprint 1
	Login	USN-3	As a user login to web application with registered mail and password.	I can register & access the dashboard with Facebook Login	High	Sprint 1
	Dashboard	USN-4	Go to live dashboard to view node status.	I can see the live status	High	Sprint 1
Admin	Storage	USN-5	As an admin, I can add the emergency contact data in cloud database		High	Sprint 2
		USN-6	Can able to delete/modify the data		Medium	Sprint 2
	Acknowledgement	USN-7	Approve/Denied by sending acknowledgement to respective user		Low	Sprint 4
Customer Care executive	Action	USN-8	Display the temperature Reading	I can see the live status about temperature	High	Sprint 2

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
		USN-9	Display the humidity reading	I can see the live status about humidity	High	Sprint 2
		USN-10	As a user, I can able to detect the fire.		Medium	Sprint 2
		USN-11	As a user, I can able to control the fire using water sprinkler.		Medium	Sprint 3
	Sharing alert	USN-12	Sending message alert to emergency contact.		High	Sprint 3
		USN-13	Track the status of message	I can receive the live status via messages	Low	Sprint 3
	Floor path	USN-14	As a user, I can display the shortest path to exit.		High	Sprint 4