

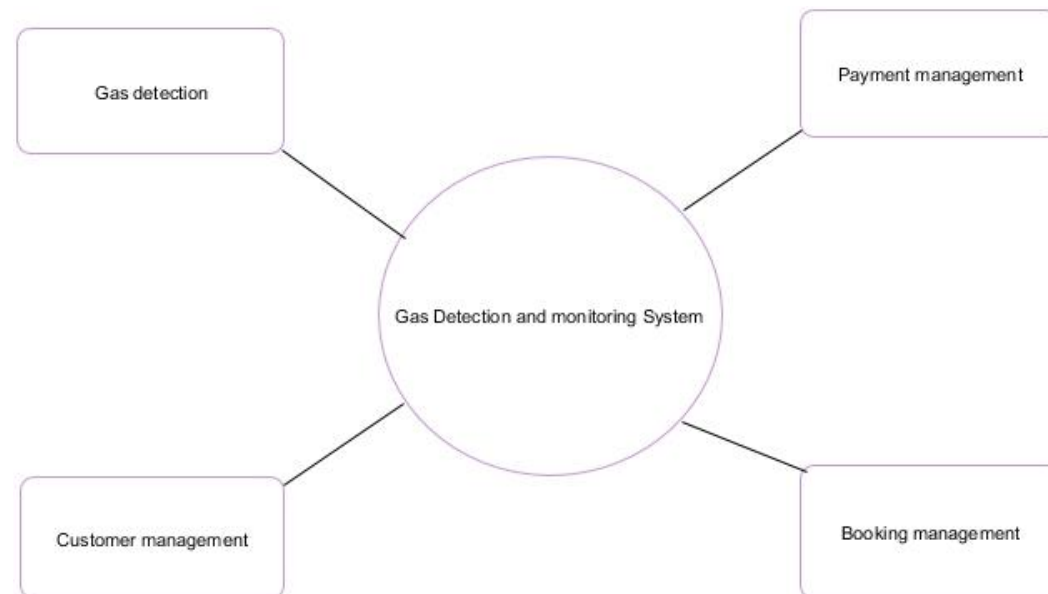
Project Design Phase-II
Data Flow Diagram & User Stories

Date	19 October 2022
Team ID	PNT2022TMID17812
Project Name	Gas Leakage Monitoring and Alerting System
Maximum Marks	4 Marks

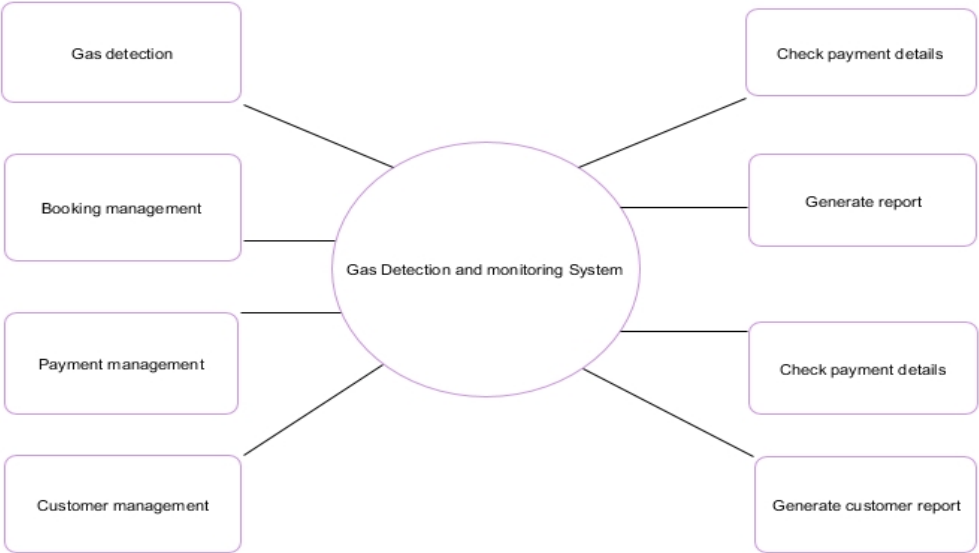
Data Flow Diagrams:

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.

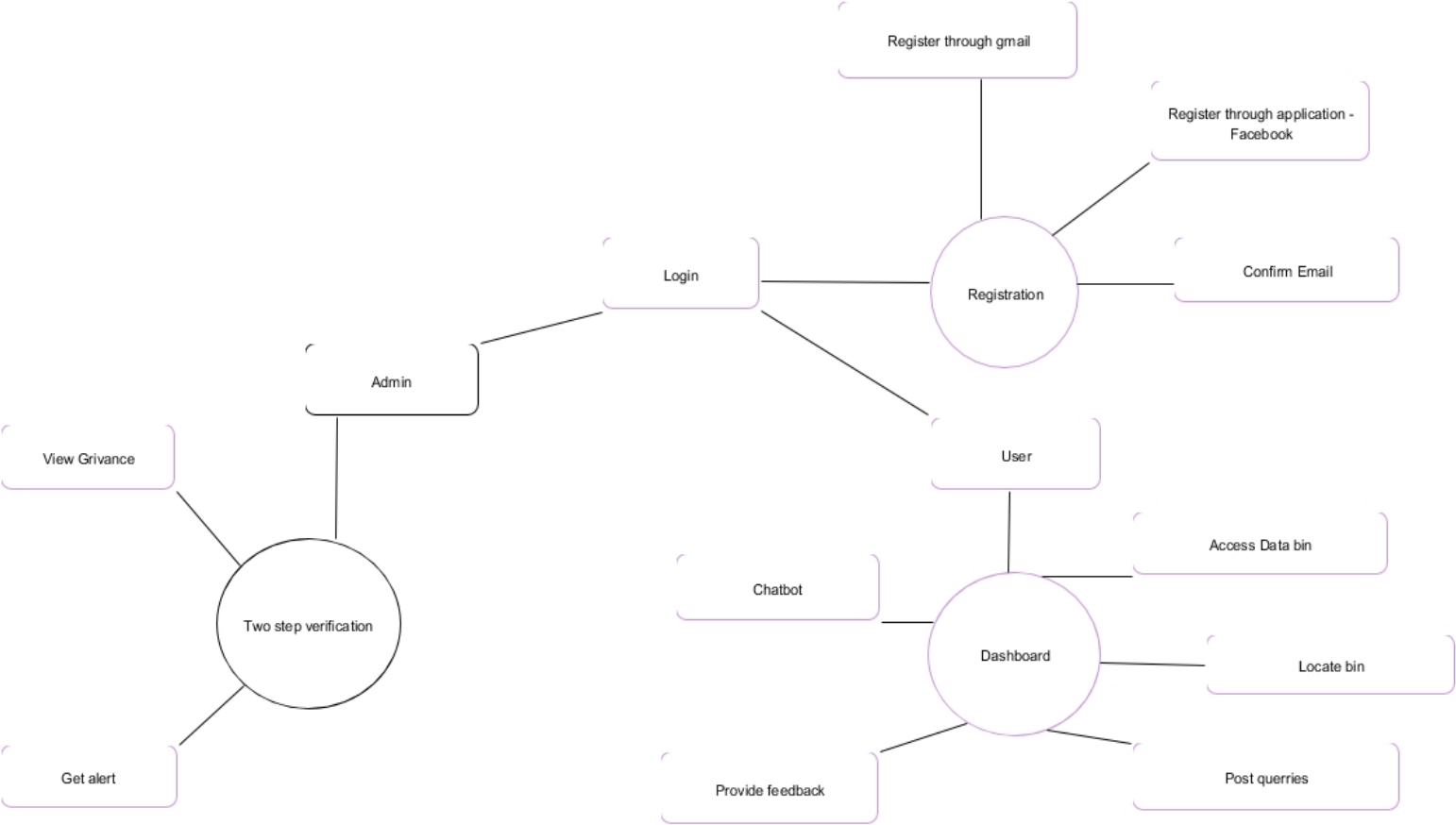
DFD Level 0



DFD Level 1



DFD Level 2



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)	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
		USN-2	As a user, I will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm	High	Sprint-1
		USN-3	As a user, I can register for the application through Facebook	I can register & access the dashboard with Facebook Login	Low	Sprint-2
		USN-4	As a user, I can register for the application through Gmail	I can create new account & access it	Medium	Sprint-1
	Login	USN-5	As a user, I can log into the application by entering email & password	I can access my account/dashboard	High	Sprint-1
	Dashboard	USN-6	As a user, I can identify the location of the bin	I can view the location of the bin	High	Sprint-1
		USN-7	As a user, I can access the data available in the bin	I can search a bin and view all details present in it	High	Sprint-1
		USN-8	As a user, I can post queries	I can post the difficulties faced by the user	Medium	Sprint-2
		USN-9	As a user, I can provide feedback	I can provide the pros & cons present in the app	Medium	Sprint-2
		USN-10	As a user, I can interact with chatbot	I can get assistance using the chatbot	Low	Sprint -2
Admin	Dashboard	USN-11	As a user, I can view the grievances	Grievances posted by the users can be viewed and resolved	High	Sprint-1
		USN-12	As a user, I get alert	I get an alert, If the alarm senses noxious gas	High	Sprint-1