Project Design Phase-II

Data Flow Diagram

Date	October 2022
Team ID	PNT2022TMID38320
Project Name	Smart Waste Management System for Metropolitan Cities
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.
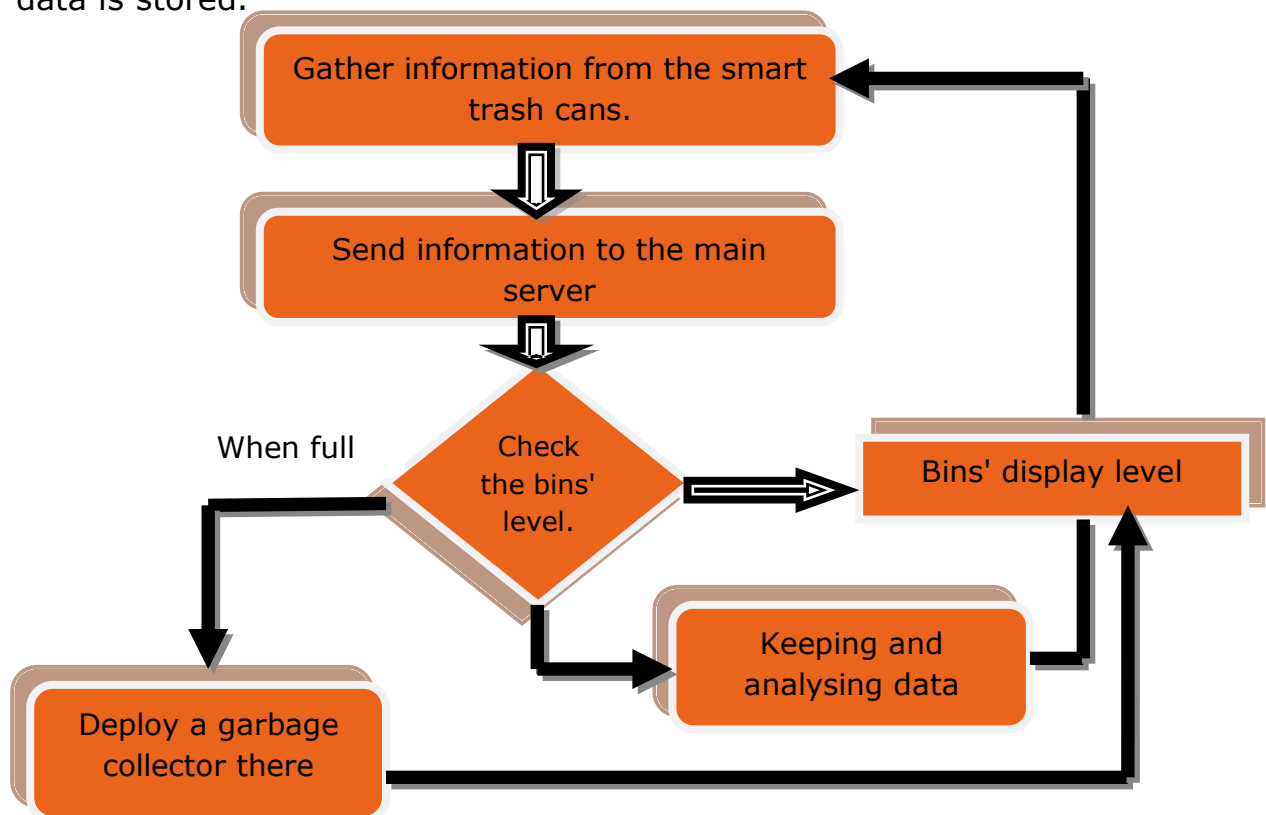
User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Web application user) – Municipality employee	Registration	USN-1	As a user, I can register for the application by entering my employee ID, email, password, and confirming my password.	I can access my account / dashboard	High	Sprint-1
	Confirmation	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
	Login	USN-3	As a user, I can log into the application by entering email & password		High	Sprint-1
	Dashboard	USN-4	As a user, I can access all resources in the dashboard.	I can have access to all the features.	High	Sprint-2
	Monitoring	USN-5	As a user, I can monitor the status of the smart bins.	Now I can see the amount of trash in the bin, its weight, and where it is.	High	Sprint-2
	Alerting	USN-6	As a user, By providing the position of the bin via an SMS, I can remind the truck drivers to empty the trash.	Truck drivers can receive alert notifications from me.	High	Sprint-2
Customer (General Public)	Viewing	USN-7	As a user, I have access to several sites' smart bin statuses.	Without registering, I can view information on smart bins.	Medium	Sprint-3
Administrator	Creates and maintains	USN-8	As an admin, I am able to produce and update all bin-related data.	Without a permit, I have full access to the application.	High	Sprint-3
	Provide credentials	USN-9	As an admin, I have the ability to give or withdraw the municipality's login information.	I have access to their login and logout status.	Medium	Sprint-3

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
			employees.			
	Update smart bins in a locality	USN-10	As an admin, Any bins in that area can be added, deleted, or updated in the system by me.	I have complete access to the system and am allowed to add or remove bins as I see fit.	High	Sprint-3