

Project Design Phase-II Data Flow Diagram & User Stories

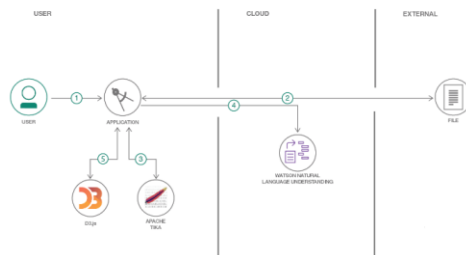
Date	03 October 2022
Team ID Team members	PNT2022TMID22482 Saravanan G, Anand Krishnan N, Kishore Kumar J, Mohamed Idris M
Project Name	Smart waste management for metropolitan cities
Maximum Marks	4 Marks

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.

Example:

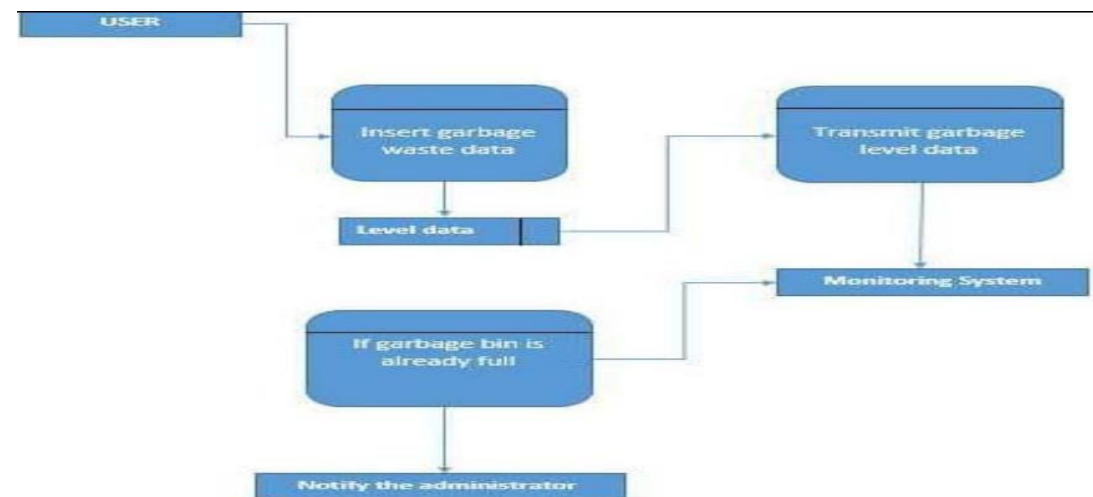
Flow



1. User configures credentials for the Watson Natural Language Understanding service and starts the app.
2. User selects data file to process and load.
3. Apache Tika extracts text from the data file.
4. Extracted text is passed to Watson NLU for enrichment.
5. Enriched data is visualized in the UI using the D3.js library.

DFD Level 0 (Industry Standard)

user----->insert garbage waste data---->level data---->transmit garbage level data--
--->monitoring system--->if garbage bin is already full-->notify the administrator



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	User can be able to register for the application by entering the one time password via message and by confirming the otp	User can access the account / dashboard	High	Sprint-1
		USN-2	user, will receive confirmation via message once the user have registered for the application	User can receive confirmation message & click confirm	High	Sprint-1
		USN-3	User can register for the application through any online platform via their mobile number for future access	User can register & access the dashboard with online Login platform	Low	Sprint-2
		USN-4	user can register for the application through Gmail	User can receive access in the mail also	Low	Sprint-1
	Login	USN-5	user can log into the application by entering one time password in the login platform to access the smart bin portal	Receive the responding messages from the user end	High	Sprint-1
	Dashboard	USN-6	User can be access their smart bin near their area to dispose		High	Sprint-1
Customer (Web user)	Registration	USN-1	User can access it in online web portal to login (google,edge etc)	Dashboard access for user	High	Sprint-1
	Login	USN-2	Getting the access to the smart bin for the user	User access	Low	Sprint-2
Administrator	User End	ASN-1	Allowing the user to access their smart bin and the portal for web user and mobile user	Requesting the portal for the user	High	Sprint-1
		ASN-2	Able to access the other features in the smart bin portal		Low	Sprint-2
Customer Care Executive	User	CCE-1	Issues sorting in the user portal at any time for dispose the waste in their respective area	Supporting the user	High	Sprint-1
		CCE-2	Requesting the issues clearing for the user via call or mail		Low	Sprint-2

