

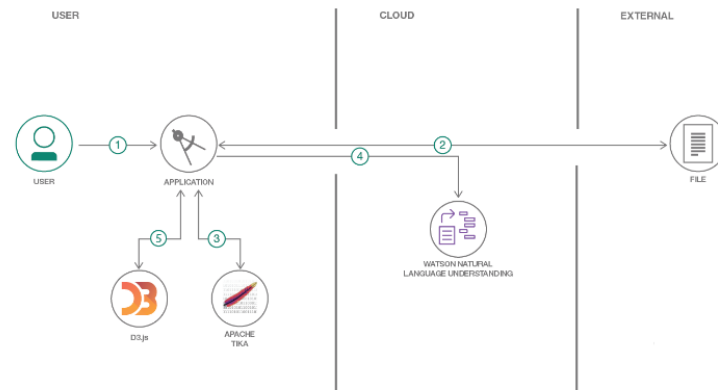
Project Design Phase-II
Data Flow Diagram & User Stories

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|---------------|--|
| Date | 03October 2022 |
| Team ID | PNT2022TMID11587 |
| Project Name | Project – 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.

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.

Example: [Simplified](#)

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 |
|----------------------------|-------------------------------|-------------------|--|-------------------------------------|----------|----------|
| Admin (manages web server) | Login | USN-1 | As a admin, I can gave credentials for the workers and I manage them | I can access my account / dashboard | High | Sprint-2 |

| User Type | Functional Requirement (Epic) | User Story Number | User Story / Task | Acceptance criteria | Priority | Release |
|-------------------------|-------------------------------|-------------------|---|---|----------|----------|
| Co-admin | Login | USN-2 | As a co admin, I will manage garbage level monitor. If the garbage level is full, I will post the location and the garbage id to the trash truck. | I can manage garbage monitoring | High | Sprint-1 |
| Truck driver | Login | USN-3 | As a truck driver, I will follow the route sent by co admin to reach the filled garbage | I can drive to reach the garbage filled route in the shortest route given | Low | Sprint-2 |
| Local garbage collector | Login | USN-4 | As a waste collector, I will collect all the trash from the garbage and load into garbage truck and send them to landfill | I can collect the trash and push the truck to landfill | Medium | Sprint-1 |
| Municipality | Login | USN-5 | As a municipality, I will check the process that are happening as per the rules without any issues. | I can manage all these process | High | Sprint-1 |