

Project Design Phase-II Data Flow Diagram & User Stories

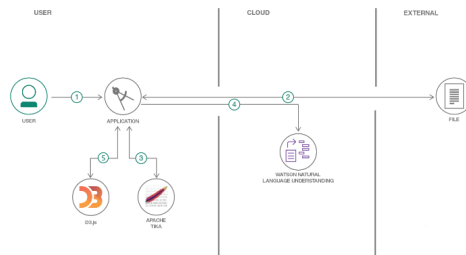
Date	06 May 2023
Team ID	NM2023TMID18041
Project Name	Project - Garbage Classification Using Deep Learning

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.

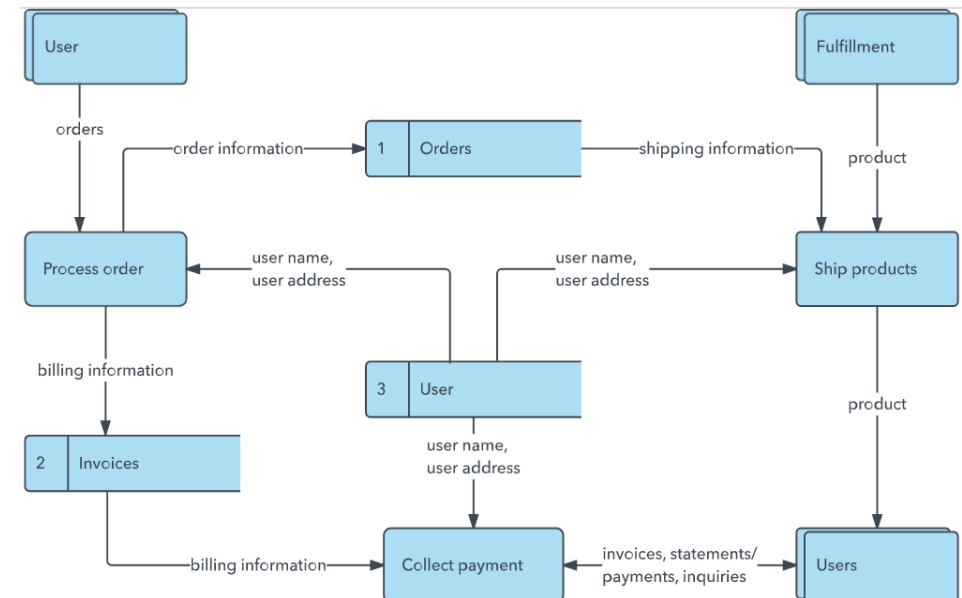
Example: [\(Simplified\)](#)

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: DFD Level 0 (Industry Standard)



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	Team Member
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	Shivam
Customer (New User)	Confirmation email	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	Shivani
Customer (Facebook User)	Facebook Account	USN-3	As a user, I can register for the application through Facebook	I can register & access the dashboard with Facebook Login	Low	Shivam
Customer (Gmail User)	Gmail Account	USN-4	As a user, I can register for the application through Gmail	I can quickly and easily create an account without having to fill out a lengthy registration form.	Medium	Shivam
Customer (Email User)	Login	USN-5	As a user, I can log into the application by entering email & password	I can access my account and use the application's features.	High	Sandeep
Customer (User)	Dashboard	USN-6	As a user, I want to have a dashboard where I can view and manage my account and access the application's features.	I can view and manage my info and main features such as garbage classification and support	High	Shivam
Customer (Web user)	Application	USN-7	As a web user, I want to be able to create a new account on the application.	The user should be able to navigate to the registration page of the application. The user should be able to enter their full name, email address, and a password that meets the password policy requirements.	High	Shivani
Customer Care Executive	Customer Support Dashboard	USN-8	As a customer care executive, I want to be able to view and manage customer inquiries and support requests.	The customer support dashboard should display a list of all open customer inquiries and support requests.	High	Shanthi

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Team Member
Administrator	Administrator Dashboard	USN-9	As an administrator, I want to be able to manage user accounts and access control for the application.	The administrator dashboard should allow the administrator to view and manage user accounts, including creating new accounts, modifying existing accounts, and deleting accounts.	High	Karthick
Waste Management Consultant	Mobile Application	USN-10	As a waste management company, I want to be able to use a mobile application solution to manage and monitor waste collection, so that I can improve efficiency and reduce costs.	The mobile application solution must provide real-time data on waste collection, with accurate location and quantity data.	High	Parthiban
Community Organization Consultant	App	USN-11	As a community organization, I want to be able to use a app to monitor waste generation and encourage sustainable waste management practices, so that we can promote a cleaner and more sustainable community.	The mobile application must deliver personalized feedback and educational materials to users based on their waste management practices.	High	Deva
Customer (Student)	App	USN-12	I want to be able to use a app solution to automate the sorting process, so that I can reduce costs and increase efficiency	I can contribute to sustainable waste management practices.	High	Ganesh