Project Design Phase-II
Data Flow Diagram & User Stories
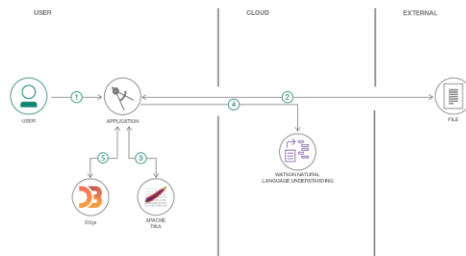
Date	03 October 2022
Team ID	PNT2022TMID06841
Project Name	Project - Natural Disasters Intensity Analysis and Classification using Artificial Intelligence
Maximum Marks	4 Marks

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: (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.

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	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
Customer	Login	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
Customer	Login	USN-3	As a user, I can register for the application through Gmail	I can assure that	High	Sprint-2
Customer	Login	USN-4	As a user, I can log into the application by entering email & password	Yes, I can assure that	Medium	Sprint-1
Customer	Login	USN-5	As a user I can gain access to weather insights	Yes, about the intensity	High	Sprint-1
Customer	Dashboard	USN-6	As a user under registered organisation, I get access to IR image of cyclone data.	Yes, that is certain	Medium	Sprint-2
Customer	Model	USN-7	Model should be made available so that, it makes estimation regarding the intensity	Yes, that is necessary	High	Sprint-2
Customer	APIs		API should be made available which facilitates the transfer of IR images from the satellite.	Yes, that is necessary	High	Sprint-2
Customer	APIs 2		Update the weather information for every 15 minutes based on the data from the satellite	Yes, that is necessary	High	Sprint-2