

Project Design Phase-II Data Flow Diagram & User Stories

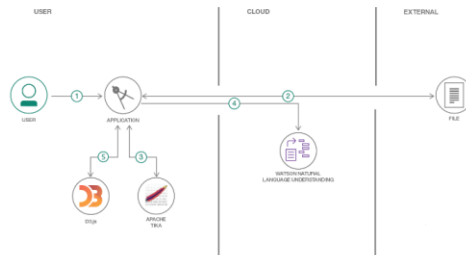
Date	31 January 2025
Team ID	LTVIP2025TMID27587
Project Name	Global Malnutrition Analysis
Maximum Marks	4 Marks

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.

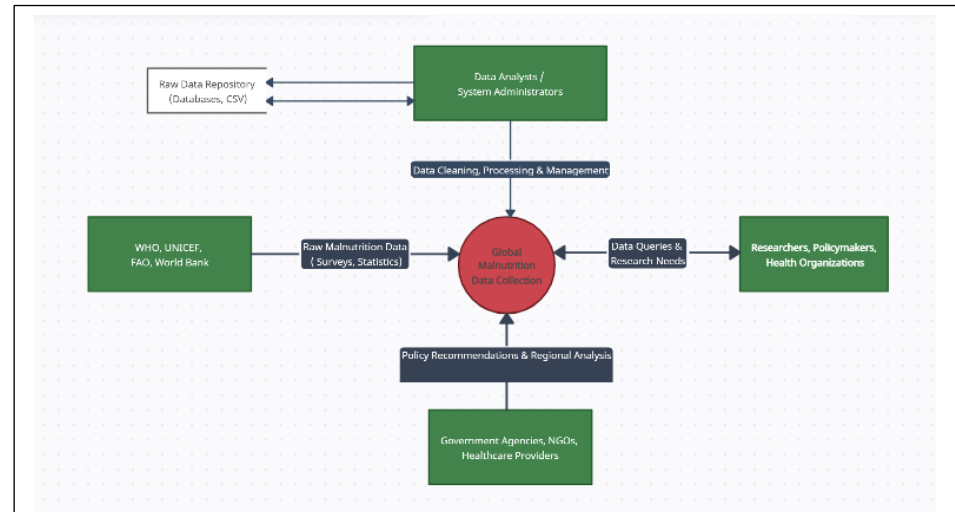
Example: (Simplified)

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.

DFD Level 0



User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
User	Data Collection & Extraction From Database	USN-1	As a user, I want to extract data from the database, So that I can use it for analysis and reporting.	I can use it for analysis and reporting.	Low	Sprint-1
User	Data Preparation	USN-2	As a user, I should clean and transform raw data, So that it is accurate, consistent, and ready for analysis.	I clean and transform raw data, So that it is and ready for analysis.	Medium	Sprint-1
User	Data Visualization	USN-3	As a user, I should generate charts and graphs, So that I can understand trends and insights easily..	I can can understand trends and insights easily..	High	Sprint-2
User	Dashboard	USN-4	As a user, I should create a dashboard with key metrics, So that I can monitor data insights in one place.	I can monitor data insights in one place.	Medium	Sprint-1
User	Design of Report	USN-5	As a user, I want to create a structured report, So that I can present my findings clearly.	I can present my findings clearly.	Medium	Sprint-1
User	Amount Of Data Loaded	USN-6	As a user, I should load and manage large datasets efficiently, So that I can ensure smooth performance and accurate analysis.	I can ensure smooth performance and accurate analysis.	Medium	Sprint-2
User	Utilizations Of Filters	USN-7	As a user, I should apply filters to refine data, So that I can analyze specific trends effectively.	I can analyze specific trends effectively.	Medium	Sprint-2
User	No of Visualization/graphs	USN-8	I should create multiple visualizations, So that I can represent data insights effectively.	I can represent data insights effectively.	High	Sprint-2
User	Project Demonstration & Documentation	USN-9	I should document and present my project, So that others can understand my findings and methodology.	I present my project so hat others can understand my methodology	High	Sprint-2