

Project Design Phase-II Data Flow Diagram & User Stories

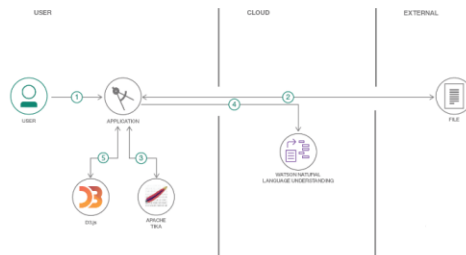
Date	FEB 2026
Team ID	LTVIP2026TMIDS86694
Project Name	Measuring the Pulse of Prosperity: An Index of Economic Freedom Analysis
Maximum Marks	

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)

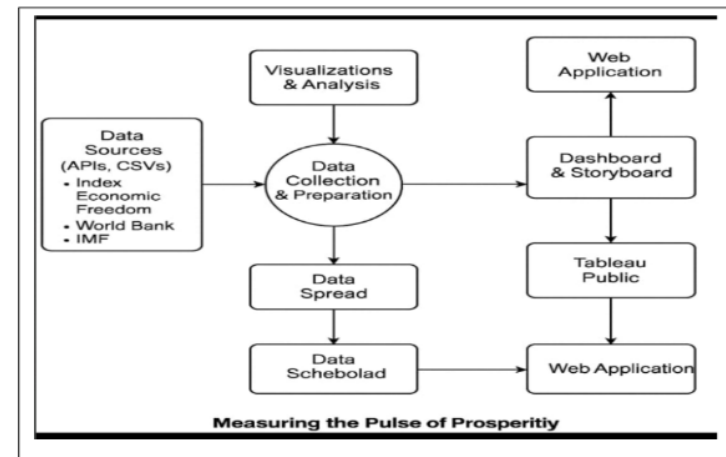
Flow



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.

Example: DFD Level 0 (Industry Standard)

Example: DFD Level 0 (Industry Standard)



User Stories

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	Collect economic freedom and gdp data	I can access my account / dashboard	High	Sprint-1
		USN-2	Handle missing values	I can receive confirmation email & click confirm	High	Sprint-1
		USN-3	Transform and normalize data	I can register & access the dashboard with Facebook Login	Low	Sprint-2
		USN-4	Connect data to tableau		Medium	Sprint-1
		USN-5	Create vizualizations		High	Sprint-1
	Dashboard					
Customer (Web user)						
Customer Care Executive						
Administrator						