Project Design Phase-II
Data Flow Diagram & User Stories

Date	24 June 2025
Team ID	LTVIP2025TMID20778
Project Name	Measuring the Pulse of Prosperity: An Index of Economic Freedom 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.

Example: DFD Level 0 (Industry Standard)
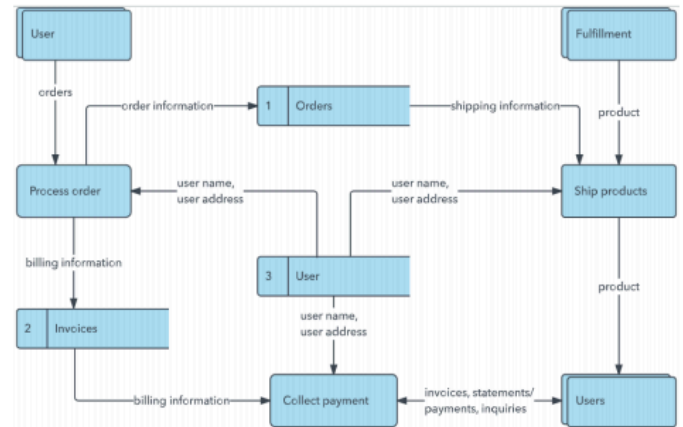
User Stories

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	Release
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	Sprint-1
		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
		USN-3	As a user, I can register for the application through Facebook	I can register & access the dashboard with Facebook Login	Low	Sprint-2
		USN-4	As a user, I can register for the application through Gmail		Medium	Sprint-1
	Login	USN-5	As a user, I can log into the application by entering email & password		High	Sprint-1
	Dashboard					
Customer (Web user)	Enable Country-wise and Region-wise Data Exploration	USN-6	As a user, I want to filter countries by region so I can compare them effectively.	Filters for regions are present, responsive, and update the visuals without delay.	High	Sprint-1
Customer (Web user)	Enable Country Comparison	USN-7	As a user, I want to compare two countries sibe-by-side across all 12 indicators.	Selected countries display adjacent indicator scores for easy comparison.	High	Sprint-1
Customer Care Executive	Simplify Technical Terminology	USN-8	As a support exec,I want clear labels so I can explain the indicators to users.	Each technical term has a simpler label and tooltip description visible on hover.	Medium	Sprint-2
Administration	Maintain Dashboard Availability	USN-9	As an admin, I want the dashboard to remain online and accessible at all times.	The dashboard is publicly available 24/7 with no access restrictions or loading errors.	Medium	Sprint-2

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Web User)	Improve user Experience	USN-10	As a user, I want a clean and user-friendly layout to navigate data easily.	Dashboard layout is organized by pillars with consistent chart formatting and responsive interaction.	High	Sprint-1
Customer (Web User)	Extend Dashboard Reusability	USN-11	As a user, I want to revisit or share the dashboard later for future reference.	A shareable link is clearly available, and public access is ensured without login or expiration.	Medium	Sprint-2

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