Project Design Phase-II
Data Flow Diagram & User Stories

Date	16/06/25
Team ID	LTVIP2025TMID49653
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.

1. **Data collected** from POSOCO in CSV format.
2. **Cleaned and transformed**, with calculated fields like Year and Lockdown.
3. **Visualizations built** in Tableau using multiple worksheets.
4. **Users review** the dashboard and may request changes.
5. **Final version archived** after approval.

User Stories :

User Type	Epic / Functional Requirement	User Story ID	User Story	Acceptance Criteria	Priority	Sprint
Economist / Analyst	View Index Trends	USN-1	As a user, I want to view trends in economic freedom index by year and region to evaluate economic progress.	I can filter and view line/bar charts based on country, region, or year.	High	Sprint-1
Policy Maker	Compare Nations	USN-2	As a user, I want to compare economic freedom scores of different countries.	I can view comparison charts highlighting top N and bottom N countries.	Medium	Sprint-1
Economist	Regional Insights	USN-3	As a user, I want to analyze regional economic freedom patterns for planning strategies.	Heatmaps and grouped visualizations by continent/region are available.	High	Sprint-2
Researcher	Correlation Insights	USN-4	As a user, I want to study correlations between the freedom index and GDP or FDI.	Scatter plots and correlation matrices are available with trendlines.	High	Sprint-2
Developer	Live Data Sync	USN-5	As a user, I want to connect Tableau to a live data source so that the dashboards stay up to date.	Data refreshes automatically from MySQL or other backend APIs.	Medium	Sprint-2

User Type	Epic / Functional Requirement	User Story ID	User Story	Acceptance Criteria	Priority	Sprint
Developer	Export Visuals	USN-6	As a user, I want to export visualizations so that I can include them in policy documents or presentations.	Dashboards can be downloaded as high-quality image or PDF formats.	Low	Sprint-3