Project Design Phase
Solution Architecture

Date	15 February 2025
Team ID	LTVIP2025TMID48892
Project Name	Measuring the Pulse of Prosperity: An Index of Economic Freedom Analysis
Maximum Marks	4 Marks

Solution Architecture

Solution architecture bridges the gap between the real-world problem—analyzing global economic freedom data—and its technological implementation using Tableau and web technologies. This project provides a structured, scalable, and insightful platform that enables researchers, analysts, and students to explore the relationship between macroeconomic indicators and economic freedom.

Goals

- Provide an interactive dashboard to interpret complex economic data.

- Enable comparison between countries and regions across economic indicators.

- Deliver insights on policy impact through data storytelling.

- Seamlessly integrate Tableau visualizations into a web application.

Key Components

- Data Source: CSV dataset of the Index of Economic Freedom.
- Data Preparation: Cleaned and analyzed using spreadsheet tools or connected directly into Tableau.
- Visualization Layer: Tableau dashboards, treemaps, scatter plots, and stories.
- Publishing Layer: Tableau Public for online access and sharing.
- Integration Layer: Web application (HTML/CSS/Bootstrap) embedding Tableau links.

Architecture & Flow

Raw Data
(Hyper Extract) → Tableau
Data Engine → Worksheets → Dashboards
(Dashboard 1-3, Story 1)

Users
(Analysts, Policy Makers)