Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Date	24 June 2025
Team ID	LTVIP2025TMID20778
Project Name	Measuring the Pulse of Prosperity: An Index of Economic Freedom Analysis
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through Form Registration through Gmail Registration through LinkedIN
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Enable Country-wise and Region-wise Data Exploration	Add filters for region, country and income group Implement dropdown for comparing two countries Display country rankings by score and region
FR-4	Visualize Scores Across Economic Freedom pillars	Create color-coded bar charts for all indicators Group indicators into the 4 main pillars Highlight top and bottom countries per pillar
Fr-5	Simplify Technical Content for Non-expert Users	Replace complex terms with simple labels Add tooltips/hover-text for definitions Include short plain-language summaries
Fr-6	Improve Accessibility and User Experience	Design a mobile-friendly or clean visual layout USe visual aids (icons,color coding) Add navigation buttons or tabs for switching views

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The dashboard should be easy to use and understand for students, analysts, and policymakers with little to no technical background. Indicators should have simple labels, tooltips, and intuitive filters.
NFR-2	Security	Since the dashboard uses public, non-sensitive data and is built on Tableau Public, advanced security is not required. However, care must be taken not to expose incorrect or misleading interpretations.

NFR-3	**Reliability**	The dashboard must reliably load and respond to user interactions like filtering and dropdown selection without crashing or misrepresenting data.
NFR-4	**Performance**	Visuals and filters should load quickly (within 2–3 seconds) and update efficiently when users apply changes, even with a large dataset.
NFR-5	**Availability**	The dashboard should be available to users at all times once published on Tableau Public, ensuring stakeholders can access it without any downtime.
NFR-6	**Scalability**	The design should allow for the future addition of new years of data or additional countries without needing a full redesign. Filters and charts should still function as expected with more data.