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

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Team ID	NM2023TMID00064
Project Name	Project - Global Wealth Divide: A Comprehensive Study of Income Inequality Across the World

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	Data Collection	The system should be able to collect data from various sources such as World Bank, International Monetary Fund (IMF), United Nations (UN), and other relevant organizations on income, wealth, and poverty across the world.
FR-2	Data Analysis	The system should be able to analyze the collected data and provide a comprehensive study of income inequality across the world.
FR-3	Visualization	The system should be able to present the analyzed data in various visual formats such as graphs, charts, and maps to help users easily understand the results.
FR-4	Comparison	The system should be able to compare income inequality across different countries, regions, and income groups to identify patterns and trends.
FR-5	User Management	The system should provide user management features such as registration, login, and access control to restrict access to authorized users only.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The system should be user-friendly and easy to use, even for non-technical users. The interface should be intuitive and simple to navigate.

NFR-2	**Security**	The system should ensure the security of the data by implementing measures such as encryption, secure data storage, and access control.
NFR-3	**Reliability**	The system should be designed to handle faults such as hardware failure, software errors, and network outages. This can be achieved by implementing redundancy, fail over, and backup mechanisms.
NFR-4	**Performance**	The system should perform efficiently and provide results in a timely manner to ensure the study is completed on time.
NFR-5	**Availability**	The system should be available 24/7 to ensure users can access the study at any time.
NFR-6	**Scalability**	The system should be scalable to accommodate a large volume of data and users as the study grows.