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

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Team ID	NM2023TMID09424
Project Name	Globetrek Insights: Navigating Global Country Data With Ibm Cognos

Functional Requirements:

Data Collection: The system must be capable of collecting data from diverse sources, including economic, social, and political data for various countries.

Data Prioritization: Users should be able to prioritize data insights based on their relevance and impact.

Data Analysis: The platform must allow users to perform in-depth data analysis, including statistical analysis, trend identification, and data modeling.

Data Visualization: Users should be able to create data visualizations, such as charts, graphs, and dashboards, to aid in data interpretation.

User Authentication: A secure user authentication system is required to ensure that only authorized personnel can access and modify data.

Data Export: The platform should allow users to export data and reports in various formats, such as PDF, Excel, and CSV.

Custom Reporting: Users must have the ability to create customized reports and dashboards according to their specific needs.

Feedback Mechanism: Implement a feedback mechanism to collect user feedback for continuous improvement.

Data Security: Robust data security measures must be in place to protect sensitive information and ensure data privacy.

Data Integration: The system should support data integration with external sources to enrich data insights.

Non-functional Requirements:

Performance: The system must be able to handle large datasets and provide quick response times for data analysis and visualization.

Scalability: It should be scalable to accommodate growing data volumes and increasing user demands.

Security: Data security measures must be in place to protect sensitive information, including user authentication, authorization, and encryption.

Reliability: The platform must be reliable, with minimal downtime and a robust backup and recovery system.

Usability: It should have an intuitive and user-friendly interface, with clear navigation and easy-to-use tools.

Accessibility: The platform should be accessible to users with disabilities, following accessibility standards.

Compatibility: It should be compatible with a range of devices, browsers, and operating systems.

Data Privacy: The system must adhere to data privacy regulations and provide users with control over their data.

Data Governance: Data governance policies should be enforced to maintain data integrity and compliance.

Cross-Browser Compatibility: The platform must function consistently across various web browsers, including Chrome, Firefox, Safari, and Edge.

Data Backup and Recovery: Regular data backup and recovery procedures must be in place to prevent data loss in case of unexpected events.

Response Time: The system should have low response times for data queries and report generation.