**BUSINESS REQUIREMENTS DOCUMENT**

**Project Name:** Stock Market Management & Risk Analysis

**1. Executive Summary**

The Stock Market Analysis and Risk Management platform aims to provide a comprehensive solution for investors to analyze and manage their investments effectively. The platform will offer real-time market data, advanced analytics, and risk management tools to help users make informed investment decisions. The solution will cater to individual investors, financial advisors, and institutional investors, providing a user-friendly interface and personalized experience.

**2. Project Scope**

The project will develop a web-based platform for stock market analysis and risk management, featuring:

* Real-time market data and news feeds
* Advanced analytics and charting tools
* Risk management and portfolio optimization capabilities.
* Personalized dashboards and customizable alerts
* Integration with popular financial platforms and tools
* Multilingual support and responsive design for desktop and mobile devices

The project will exclude functionalities such as:

* Trading and execution capabilities
* Advanced machine learning and AI-powered analytics
* Integration with social media platforms

**3. Business Objectives**

* **Enhance Investment Decision-Making**: Provide users with accurate and timely market data, analytics, and risk management tools to make informed investment decisions.
* **Improve User Experience**: Offer a user-friendly and personalized platform that caters to diverse user needs and preferences.
* **Increase Customer Acquisition and Retention**: Attract and retain users by providing a comprehensive and reliable platform for stock market analysis and risk management.
* **Reduce Operational Costs**: Minimize manual effort and errors by automating data processing, analytics, and risk management.

**4. Stakeholders**

* **Primary Users**: Individual Investors, Financial Advisors, Institutional Investors
* **Secondary Users**: Portfolio Managers, Risk Managers, Compliance Officers
* **Development Team**: Jahnavi Latha, Arjun Vinod.

**5. Use Cases/User Stories**

* As an individual investor, I want to access real-time market data and news feeds, so I can stay informed about market trends and make timely investment decisions.
* As a financial advisor, I want to use advanced analytics and risk management tools, so I can provide personalized investment advice to my clients.
* As an institutional investor, I want to optimize my portfolio using the platform's risk management capabilities, so I can minimize potential losses and maximize returns.
* As a user, I want to customize my dashboard and alerts, so I only receive relevant information and notifications.

**6. Assumptions and Dependencies**

* Users have basic knowledge of financial markets and investment concepts.
* The platform will be compatible with common web browsers and mobile operating systems.
* There may be dependencies on third-party data providers, APIs, or libraries for features like real-time market data and analytics.
* The platform will adhere to relevant financial regulations and standards.

**7. Project Constraints**

* The project must be completed within a timeframe of 1 month.
* The platform must support a minimum of 1,000 concurrent users.
* Limited availability of development resources may impact timelines.
* The platform must ensure data security and compliance with relevant financial regulations.