

Identify the FRs and NRFs:

Functional Requirements

1. **User Authentication:**
The system must allow users to securely register, log in, and manage their accounts. Only authenticated users can upload financial documents and access summaries, ensuring personalized and secure usage.
2. **File Upload and Processing:**
Users should be able to upload PDFs or Excel files containing financial statements. The system must handle different file formats, parse the data accurately, and prepare it for analysis.
3. **Summary Generation:**
The AI should generate a clear, plain-language summary of the uploaded financial statements. The summary should highlight key insights such as financial health, risks, and notable trends.
4. **KPI and Trend Analysis:**
The system must identify and calculate important Key Performance Indicators (KPIs) such as revenue growth, profitability, liquidity ratios, and detect trends in financial performance over time.
5. **Data Visualization:**
Visual representations such as charts and graphs should accompany the summaries. This helps users quickly understand patterns, risks, and trends without needing deep financial knowledge.

Non-Functional Requirements

1. **Accuracy:**
The AI must provide correct calculations, KPIs, and interpretations to ensure the summaries reflect the actual financial situation.
2. **Security:**
User data and uploaded files must be protected against unauthorized access. Implement secure authentication and encryption for sensitive financial

information.

3. Performance:

The system should process uploaded files and generate summaries efficiently, minimizing waiting time even for large datasets.

4. Scalability:

The architecture should support an increasing number of users and large volumes of financial data without degradation in performance.

5. Usability:

The user interface must be intuitive and user-friendly, ensuring that even non-finance users can easily upload files and interpret summaries.

6. Reliability:

The system must operate consistently and be available for users with minimal downtime, ensuring dependable access to financial insights.