**PRICE FORECASTING SYSTEM**

**USE CASES**

Certainly! Here are clean and simplified use cases based on the outlined business objectives for a price forecasting system for trading pulses using R language:

1. **Use Case: Informed Trading Decisions**
   * **Objective:** Improve accuracy
   * **Scenario:** Traders leverage the forecasting system to make more accurate decisions on buying or selling pulses in various markets, increasing the likelihood of profitable trades.
2. **Use Case: Real-time Market Insights**
   * **Objective:** Implement real-time monitoring
   * **Scenario:** The system provides timely alerts to traders, enabling them to respond quickly to market changes, seize opportunities, and manage risks effectively.
3. **Use Case: Tailored Market Predictions**
   * **Objective:** Customize for different markets
   * **Scenario:** Traders adapt the forecasting model to the unique characteristics of each pulse market, ensuring predictions are specific and relevant to the conditions of each market.
4. **Use Case: Holistic Data Analysis**
   * **Objective:** Integrate external data sources
   * **Scenario:** By incorporating external data (e.g., weather, geopolitical events), the system enhances its analysis, offering a more comprehensive view for better-informed trading decisions.
5. **Use Case: Risk-aware Trading**
   * **Objective:** Implement risk management
   * **Scenario:** Traders use risk management tools to assess and mitigate potential risks associated with market fluctuations, safeguarding their investments.
6. **Use Case: User-Friendly Interface**
   * **Objective:** Ensure a user-friendly interface
   * **Scenario:** The system features an intuitive interface, making it easy for traders, regardless of experience level, to navigate, analyze forecasts, and execute trades efficiently.
7. **Use Case: Scalable Performance**
   * **Objective:** Ensure scalability
   * **Scenario:** The system seamlessly scales as the business grows, accommodating increased data and user demands without sacrificing performance.
8. **Use Case: Performance Analysis**
   * **Objective:** Provide performance metrics
   * **Scenario:** Traders analyze system performance metrics to assess accuracy over time, gaining insights into the effectiveness of the forecasting model.
9. **Use Case: Regulatory Compliance**
   * **Objective:** Ensure regulatory compliance
   * **Scenario:** The system incorporates features to adhere to market regulations, helping traders operate within legal boundaries and avoid compliance issues.
10. **Use Case: Continuous Improvement**
    * **Objective:** Establish a continuous improvement framework
    * **Scenario:** The system allows for regular updates and refinements based on feedback, market changes, and technological advancements, ensuring it remains relevant and effective.

These simplified use cases highlight how the forecasting system addresses key objectives, providing a clear understanding of its value in practical trading scenarios.

