# Stakeholder Analysis Document

## 1. Stakeholder Identification

1. **Warehouse Managers at Truck Support Venlo:** Manage tire buying and ensure smooth operations.
2. **Tire Suppliers:** Provide tires and need clear communication and timely orders.
3. **Project Supervisors (Ernst Jansen and Bas van de Meerakker): Oversee** the project to ensure it meets goals and stays on schedule.
4. **IT Development Team:** Develop and maintain the software, ensuring it meets technical needs and works reliably.

A diagram of a company

Description automatically generated

## 2. Functional Requirements

* **User Authentication and Authorization:** The system must allow users to log in securely and manage their access permissions.
* **Supplier Comparison:** The system should compare tire suppliers based on price, quality, and delivery time.
* **Inventory Management:** The application must help track tire inventory so managers can monitor stock levels.
* **Order Management:** Users should be able to place, track, and manage orders through the application.
* **Data Analysis and Reporting:** The system should provide data analysis and generate reports on tire buying and usage.
* **Alerts and Notifications:** The application must send alerts for low stock levels, order updates, and other important events.

## 3. Non-Functional Requirements

* **Performance:** The system should respond in less than 2 seconds for most tasks and handle at least 100 users at the same time.
* **Reliability:** The application must be available all the time to ensure it is always ready when needed.
* **Scalability:** The system should grow to handle more users and data in the future, and it must connect with other software tools like ProAct for maintenance.
* **Security:** The application must have a secure login screen and follow industry security practices like data encryption and regular security checks.
* **Usability:** The interface should be easy to use, with simple navigation and clear instructions, so all users can use it without trouble.
* **Maintainability:** The code should be well-documented and modular, making it easy to maintain and update, and ready for future improvements.
* **Portability:** The system should be easy to transfer and deploy across different environments, ensuring flexibility and ease of integration with existing infrastructure.