Requirement Analysis Report

Generated on: 2025-05-03 18:12:47

Executive Summary

Total Requirements	6
Requirements Met	2
Requirements Not Met	4
Fulfillment Rate	33.3%

Detailed Requirements Analysis

Requirement	Status	Confidence	Evidence
- The system should support OAuth2.0 authentication.	Met	75.0%	- OAuth2.0 authentication is partially implemented.
- Interface must be mobile responsive.	Not Met	33.3%	Missing key terms: mobile, responsive
- Data backup should occur every 24 hours.	Not Met	25.0%	Missing key terms: data, occur, hour
- Real-time notifications must be supported.	Not Met	50.0%	Missing key terms: real, time
- Monthly data usage reports must be generated.	Not Met	60.0%	Missing key terms: report, generate
- Users should be able to recover deleted data.	Met	80.0%	- Roles are fixed and not user-configurable.

Recommendations

The following requirements should be addressed:

- - Interface must be mobile responsive.
- - Data backup should occur every 24 hours.
- - Real-time notifications must be supported.
- - Monthly data usage reports must be generated.

Analysis Methodology

This report was generated using the End-to-end Requirement Analysis and Verification System (ERAAVS). The system employs Natural Language Processing techniques to extract requirements from client documents and verify their fulfillment against product specifications. The analysis follows these steps:

1. Requirement Extraction: Identify statements that express requirements using linguistic patterns
2. Key Term Extraction: Extract important terms that define each requirement
3. Fulfillment Analysis: Compare requirement terms with product specification text
4. Evidence Collection: Find supporting evidence for fulfilled requirements

Confidence Score Interpretation: The confidence score represents the percentage of key requirement terms found in the product specification. A requirement is considered "Met" when at least 70% of its key terms are present in the product documentation.