

# Requirement Analysis Report

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## Executive Summary

Total Requirements	9
Requirements Met	9
Requirements Not Met	0
Fulfillment Rate	100.0%

## Detailed Requirements Analysis

Requirement	Status	Confidence	Evidence
- The system must support user login with Google.	Met	100.0%	- The system must support user login with Google.
- Real-time notifications for important events must be enabled.	Met	100.0%	- Real-time notifications for important events must be enabled.
- Users should be able to log in using Google credentials.	Met	100.0%	- Users should be able to log in using Google credentials.
- Push notifications are needed for activity updates.	Met	100.0%	- Push notifications are needed for activity updates.
- System must show charts and data summaries.	Met	100.0%	- System must show charts and data summaries.
- Login through Google should be supported.	Met	100.0%	- The system must support user login with Google.
- Dashboard must include analytics and stats.	Met	100.0%	- Dashboard must include analytics and stats.
- Forgot password link should email reset instructions.	Met	100.0%	- Forgot password link should email reset instructions.
- The system should have 99.9% uptime.	Met	100.0%	- System uptime should be at least 99.9%.

## Recommendations

All identified requirements have been met. Continue to monitor for new requirements.

## 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.