

# Data Upload Project: Test Report

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## Executive Summary

This test report provides an in-depth analysis of the testing activities conducted for the Data Upload Project, focusing on ensuring the feature's reliability, efficiency, security, and user-friendliness. Testing spanned various environments and covered functionality, performance, security, and user experience.

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## Test Overview

Test Period: June 1, 2023, to August 15, 2023

Testing Team: Ciprian Biban, Andreea Cristu, Alex Johnson

Total Test Cases: 150

- Passed: 142
- Failed: 6
- Blocked: 2

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## Test Environment

- Development Environment: Early phase testing, unit and integration tests.
- Staging Environment: Mirror of the production environment.
- Performance Environment: For load and stress testing.

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## Test Cases Summary

1. **Functionality Testing:**
  - **Description:** Validating all features of the data upload functionality.
  - **Results:** All critical features passed, two minor issues identified with file metadata handling.
2. **Performance Testing:**
  - **Description:** Testing system performance with varying file sizes and concurrent uploads.
  - **Results:** Performance meets expectations for files up to 1GB; issues observed with simultaneous uploads of large files.
3. **Security Testing:**
  - **Description:** Security checks for data encryption and vulnerability assessments.
  - **Results:** No critical vulnerabilities found; recommendations for improving encryption protocols.
4. **User Experience Testing:**
  - **Description:** Evaluating ease of use and interface design.
  - **Results:** Positive feedback on interface design; suggestions for better error messaging.

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## Key Findings and Recommendations

- **Major Findings:**
  - Large file uploads (over 1GB) cause significant delays and occasional timeouts.
- **Recommendations:**
  - Optimize backend processing for large files. Consider implementing a file chunking mechanism.

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## Defects Summary

- **Critical Defects:** 2 (System crash during simultaneous upload of 10+ files)
- **Major Defects:** 3 (Inconsistent file upload speeds for certain file types)
- **Minor Defects:** 10 (UI glitches in progress bar for uploads)

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## Conclusion

The testing phase for the Data Upload Project has provided valuable insights. The feature performs well under standard conditions, but specific scenarios, particularly regarding large file handling, need improvement. The test findings will inform the subsequent development phases.

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## Approval

Test Lead: Alin Virvara

Date: August 31, 2023

Project Manager: Andrei Ionescu

Date: August 31, 2023