

# TestRail Report – Snapshot 3

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## Overview

This document contains the functional, performance, and security test cases implemented and verified during Snapshot 3 of the LAPD1 Transcript Analysis System project. The focus of this phase was on DOCX file format support, expanded NLP entity recognition, flag classification, export functionality, and performance handling of large transcripts.

## Snapshot Summary Image

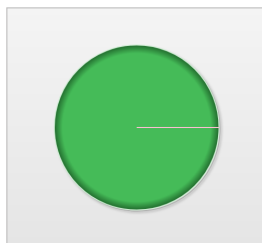


### Snapshot 3 – TestRail Report

Project: LAPD1 Transcript Analysis System  
By Haonan Ma, 5/8/2025 4:51 PM

This report summarizes the execution of all test cases in Snapshot 3, including DOCX upload, entity extraction, flag classification, export functionality, and performance validation. All tests were executed successfully with a 100% pass rate.

### Run: Snapshot 3 – Test Execution



	<b>8 Passed</b>
	100% set to Passed
	<b>0 Blocked</b>
	0% set to Blocked
	<b>0 Retest</b>
	0% set to Retest
	<b>0 Failed</b>
	0% set to Failed

**100%**  
passed  
0 / 8 untested (0%).

# Test Cases

## Test Case 1: Upload DOCX File and Analyze

**Type:** Functional

**Priority:** Medium

**Estimate:** 4m

**Preconditions:** User is logged in and on the upload page.

**Steps:**

1. Click the “Choose File” button.
2. Select a .docx transcript file from the local machine.
3. Click the “Analyze” button to initiate processing.

**Expected Result:** The file is uploaded successfully and analyzed just like a PDF. Entity extraction and flagging proceed as expected.

## Test Case 2: Extract Location Entity from Transcript

**Type:** Functional

**Priority:** High

**Estimate:** 5m

**Preconditions:** A valid transcript with location-based information is available.

**Steps:**

1. Upload transcript containing named locations.
2. Click “Analyze”.
3. Review the extracted entity results.

**Expected Result:** The system correctly identifies and labels locations as distinct entities.

## Test Case 3: Detect Flag Category – Misconduct vs Inconsistency

**Type:** Functional

**Priority:** High

**Estimate:** 6m

**Preconditions:** Transcript includes both misconduct and conflicting statements.

**Steps:**

1. Upload transcript with mixed flag types.
2. Run analysis.
3. Inspect categorized results.

**Expected Result:** Flags are correctly categorized and displayed (e.g., “Misconduct”, “Inconsistency”).

## Test Case 4: Export Entity-Flag Mapping to CSV

**Type:** Functional

**Priority:** Medium

**Estimate:** 5m

**Preconditions:** Analyzed transcript is available with entities and flags.

**Steps:**

1. Open analysis result page.
2. Click “Export” and select CSV.
3. Open downloaded file.

**Expected Result:** Exported CSV includes rows of entities and their related flags, formatted correctly.

## Test Case 5: Analyze Long Transcript (>30 Pages)

**Type:** Performance

**Priority:** Medium

**Estimate:** 8m

**Preconditions:** A 30+ page transcript is available.

**Steps:**

1. Upload the long transcript.
2. Click “Analyze”.
3. Monitor system performance.

**Expected Result:** System completes analysis without crash or timeout within acceptable processing time.

## Test Case 6: Block Upload of Encrypted Files

**Type:** Security

**Priority:** High

**Estimate:** 3m

**Preconditions:** Encrypted (password-protected) document is ready.

**Steps:**

1. Attempt to upload encrypted file.
2. Observe system response.

**Expected Result:** System blocks upload and displays a message: “Encrypted files are not supported.”

## Test Case 7: Entity Filtering in Dashboard Search

**Type:** Functional

**Priority:** Medium

**Estimate:** 4m

**Preconditions:** Several transcripts with various entity types have been uploaded.

**Steps:**

1. Go to dashboard search.
2. Apply entity type filter.
3. Search using keyword.

**Expected Result:** Results list only includes transcripts matching the filter and query.

## Test Case 8: Auto-Queue Analysis for Multiple Uploads

**Type:** Functional

**Priority:** Medium

**Estimate:** 6m

**Preconditions:** At least 3 files ready for upload.

**Steps:**

1. Upload files back-to-back without waiting.
2. Wait for analysis to queue and complete.

**Expected Result:** All files are processed sequentially without skipping or failure.