TestRail Report – Snapshot 2

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Overview

This document contains the functional and security test cases implemented and verified during Snapshot 2 of the LAPD1 Transcript Analysis System project.
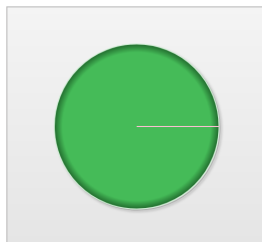
Snapshot Summary Image

Snapshot 2 – Test Case Summary

Project: LAPD1 Transcript Analysis System
By Haonan Ma, 5/8/2025 2:45 PM

Summary of all test cases created and assigned for Snapshot 2 of the LAPD1 Transcript Analysis System. This includes test cases for transcript upload, OCR, entity extraction, and misconduct flagging.

Run: Snapshot 2 – Test Execution

8 Passed
100% set to Passed

0 Blocked
0% set to Blocked

0 Retest
0% set to Retest

0 Failed
0% set to Failed

100%
passed

0 / 8 untested (0%).

Test Cases

Test Case 1: Upload Valid Transcript File

Type: Functional
Priority: Medium
Estimate: 5m
Preconditions: User is logged in and is on the upload page.
Steps:

1. Click the "Choose File" button.

2. Select a valid .pdf transcript file.

3. Click the "Analyze" button.

Expected Result: The file is uploaded successfully, and the system transitions to the analysis page with a confirmation message.

Test Case 2: Upload Scanned PDF and Trigger OCR

Type: Functional
Priority: Medium
Estimate: 5m
Preconditions: User is logged in and is on the upload page.
Steps:

1. Upload a scanned .pdf file with no selectable text.

2. Click "Analyze" and wait for OCR to trigger.

Expected Result: OCR extracts the text and enables further analysis.

Test Case 3: Upload Invalid File Format

Type: Functional
Priority: Medium
Estimate: 3m
Preconditions: User is logged in.
Steps:

1. Try uploading a file with an unsupported format (e.g., .exe).

Expected Result: The system displays "Unsupported file format."

Test Case 4: Entity Extraction – Officer Name & Badge Number

Type: Functional
Priority: High
Estimate: 5m
Preconditions: A transcript with officer names and badge numbers is uploaded.
Steps:

1. Upload transcript containing "Officer James Miller" and "Badge #1123".

2. Click Analyze and wait for processing.

Expected Result: Entities are correctly extracted and displayed.

Test Case 5: Detect Misconduct and Flag Contradictions

Type: Functional
Priority: High
Estimate: 7m
Preconditions: Transcript includes contradictions.
Steps:

1. Upload the transcript.

2. Click Analyze and wait for NLP results.

Expected Result: Contradictory sections are flagged with color and confidence scores.

Test Case 6: Export Flagged Transcript

Type: Functional
Priority: Medium
Estimate: 4m
Preconditions: A transcript has been flagged.
Steps:

1. Open flagged results page.

2. Click "Export" and choose PDF or CSV.

Expected Result: Downloaded report includes flags, highlights, and metadata.

Test Case 7: Role Restriction – Viewer Cannot Upload

Type: Security
Priority: High
Estimate: 3m
Preconditions: User is logged in as a viewer.
Steps:

1. Navigate to upload page.

2. Attempt to upload.

Expected Result: Upload feature is restricted with error message or access denied.

Test Case 8: Notification When Flagging Completes

Type: Functional
Priority: Medium
Estimate: 4m
Preconditions: A transcript is under processing.
Steps:

1. Upload transcript and initiate analysis.

2. Wait for system notification.

Expected Result: User sees "Analysis Completed" notification and can view results.