**User Stories — Deepfake Investigation Tool**

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| **ID** | **User Story** | **DoD / Acceptance Criteria** | **Priority** | **Size** | **Status / Release** |
| US-01 | As a field investigator, I want to upload an image for analysis so that I can quickly assess manipulation. | Upload common formats; returns anomaly heatmap, confidence map, and integrity score in one view; errors handled. | Must | M | Done / V2 (W9) |
| US-02 | As a field investigator, I want to toggle the heatmap overlay with a legend and threshold so that I can interpret suspicious regions. | Heatmap overlay on original; legend/color bar; threshold slider; on/off toggle. | Must | M | Done / V2 (W9) |
| US-03 | As a field investigator, I want to view a confidence map so that I can suppress false positives in low-confidence areas. | Confidence map side-by-side/overlay; tooltip help for interpretation. | Should | S | Done / V2 (W9) |
| US-04 | As a security officer, I want the tool to run only within secure offline environments so that sensitive media never leaves the lab. | Works without Internet; no outbound calls; install guide & SOP for offline use; config locked. | Must | M | Done / V1 (W7) |
| US-05 | As a lab analyst, I want to securely share reports with colleagues within the secure environment so that peer review is possible. | Encrypted export or authenticated intranet sharing; default local-only; no public cloud. | Should | M | Planned / Next |
| US-06 | As a lab analyst, I want to export a human-readable report so that findings can be used in casework. | One-click export (PDF/Doc) including original, heatmap, confidence map, integrity score, metadata, and parameters. | Should | M | In Progress / Next |
| US-07 | As a lab analyst, I want to view file/device metadata so that provenance can inform decisions. | EXIF/device/GPS shown when available; handles missing gracefully. | Should | S | In Progress / Next |
| US-08 | As a CCTV reviewer, I want to upload a short video and get a timeline with flagged timestamps and key-frame snapshots so that I can triage efficiently. | Extract frames; list flagged timecodes; click to preview key frames; designed for 2–3 min clips. | Should | L (split if needed) | Planned / Next |
| US-09 | As a CCTV reviewer, I want object persistence checks so that unusual disappearances/insertions are surfaced. | Detect objects that disappear/reappear unnaturally across frames; show markers on timeline. | Could | L | Planned / Next |
| US-10 | As an investigator, I want progress indicators for large files so that I know the system is working. | Upload/analysis progress bars; tested limits documented; responsive cancel/retry. | Should | M | In Progress / Next |
| US-11 | As a lab admin, I want the tool to operate on modest hardware so that deployment is feasible in small labs. | Min-specs & throughput documented; acceptable latency on standard lab PC; CPU fallback path. | Should | M | In Progress / Next |
| US-12 | As an investigator, I want to batch multiple files so that I can run unattended analysis. | Queue view; per-item status; retry on failure; summary at end. | Could | L | Planned / Next |
| US-13 | As a lab analyst, I want to switch models (e.g., TruFor/ResNet) so that I can choose the best method for a case. | Adapter config to select model; persisted choice; model info shown in UI/report. | Should | S | Done / V2 (W9) |
| US-14 | As a lab analyst, I want to save results under a named project so that I can retrieve them later without heavy multi-tenant back-end. | Create/select project; store results locally (separated); delete/retain per SOP. | Should | M | Planned / Next |