User Stories – Brand Protection Monitor (PoC)

Project: Brand Protection Monitor – Source of Truth

Code: BPM-POC-US-001

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Description

COMPLETE document of User Stories derived entirely from the PRD. Each story is atomic, verifiable, and suitable for downstream automated consumption.

Epic: Keyword Management

Complete lifecycle management for monitoring keywords.

HU-KW-01 — Create keyword

Role: Operator
Functionality: Create keyword
Reason: Detect brand domains

Acceptance Criteria
Not empty
Normalized
Not duplicated
Persisted
Functional Requirements
POST /keywords
Unique constraint
UI refresh

HU-KW-02 — Delete keyword

Role: Operator
Functionality: Delete keyword
Reason: Reduce noise

Acceptance Criteria
UI confirmation
Soft delete
Historical records remain intact
Functional Requirements
Logical DELETE
deleted_at field

HU-KW-03 — List keywords

Role: Operator
Functionality: List and search keywords

Reason: Manage monitoring

Acceptance Criteria
Pagination
Substring search
Visible status
Functional Requirements
GET /keywords
DB indexes

Epic: CT Monitoring Engine

Automated Certificate Transparency consumption.

HU-MON-01 — CT cycle

Role: System
Functionality: Execute CT cycle
Reason: Process certificates

Acceptance Criteria
Configurable scheduler
monitor_run record
CT error handling
Functional Requirements
Scheduler
Timeouts
Run persistence

HU-MON-02 — CT range

Role: System
Functionality: Calculate range
Reason: Fixed recent batch

Acceptance Criteria
STH usage
start/end calculation
Range persistence
Functional Requirements
GET get-sth
DB persistence

HU-MON-03 — Deduplication

Role: System
Functionality: Deduplicate matches
Reason: Avoid noise

Acceptance Criteria
Unique key
UPSERT
Updates last_seen
Functional Requirements
Unique index
SQL UPSERT

Epic: Matches & Triage

Visualization and prioritization of matches.

HU-MAT-01 — List matches

Role: Operator
Functionality: View matches
Reason: Investigate abuse

Acceptance Criteria
Complete fields
Highlighting
Pagination
Functional Requirements
GET /matches
Default ordering

HU-MAT-02 — Filter matches

Role: Operator
Functionality: Filter and sort
Reason: Prioritize triage

Acceptance Criteria
Multiple filters
Configurable sort
New-only filter
Functional Requirements
Query params
Indexes

Epic: Export & Reporting

Data export.

HU-EXP-01 — Export CSV

Role: Operator
Functionality: Export matches
Reason: External reporting

Acceptance Criteria
Respects filters
Streaming
RFC4180
Functional Requirements
GET /export.csv
Streaming writer

Epic: Dashboard & State

Operational visibility.

HU-DASH-01 — Monitor state

Role: Operator
Functionality: View monitor state
Reason: Trust the system

Acceptance Criteria
idle/running/error
Visible errors
Metrics
Functional Requirements
GET /monitor/status
monitor_state

Epic: Security & Hardening

Minimum PoC security.

HU-SEC-01 — Sanitization

Role: System
Functionality: Sanitize inputs
Reason: Prevent injections

Acceptance Criteria
Validation
UI escaping
Parameterized SQL
Functional Requirements
Middleware
Secure ORM

HU-SEC-02 — Rate limit

Role: System
Functionality: Limit abuse
Reason: Protect stability

Acceptance Criteria
IP rate limiting
CT timeouts
Functional Requirements
Rate limiter
HTTP timeout